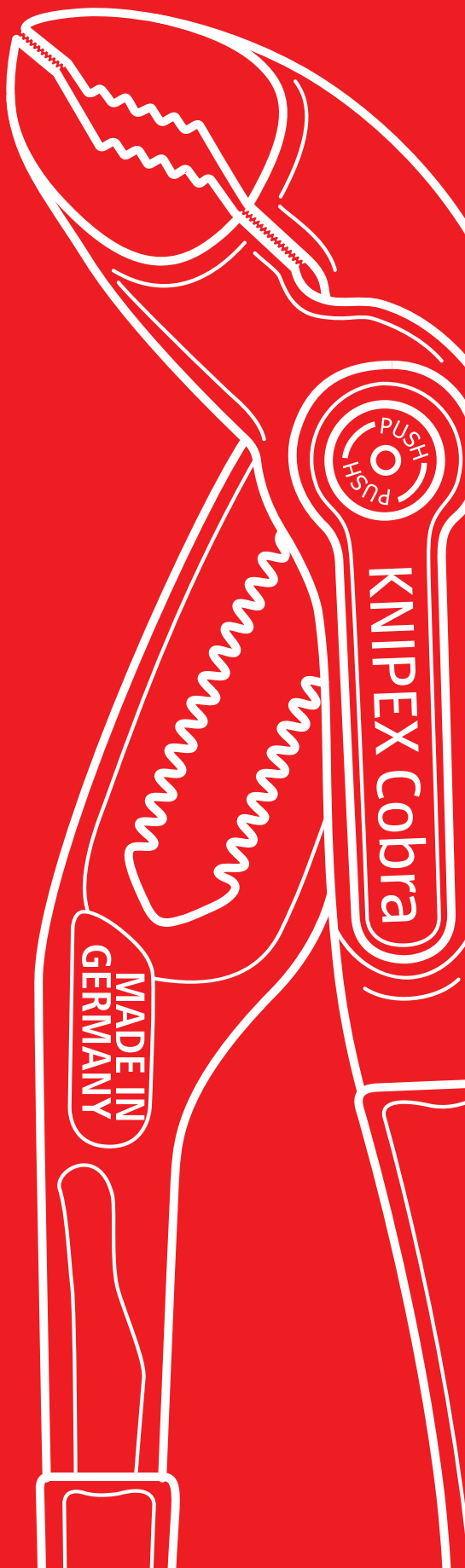
GENERAL CATALOGUE

KNIPEX®

# Pliers

MADE IN GERMANY SINCE 1882

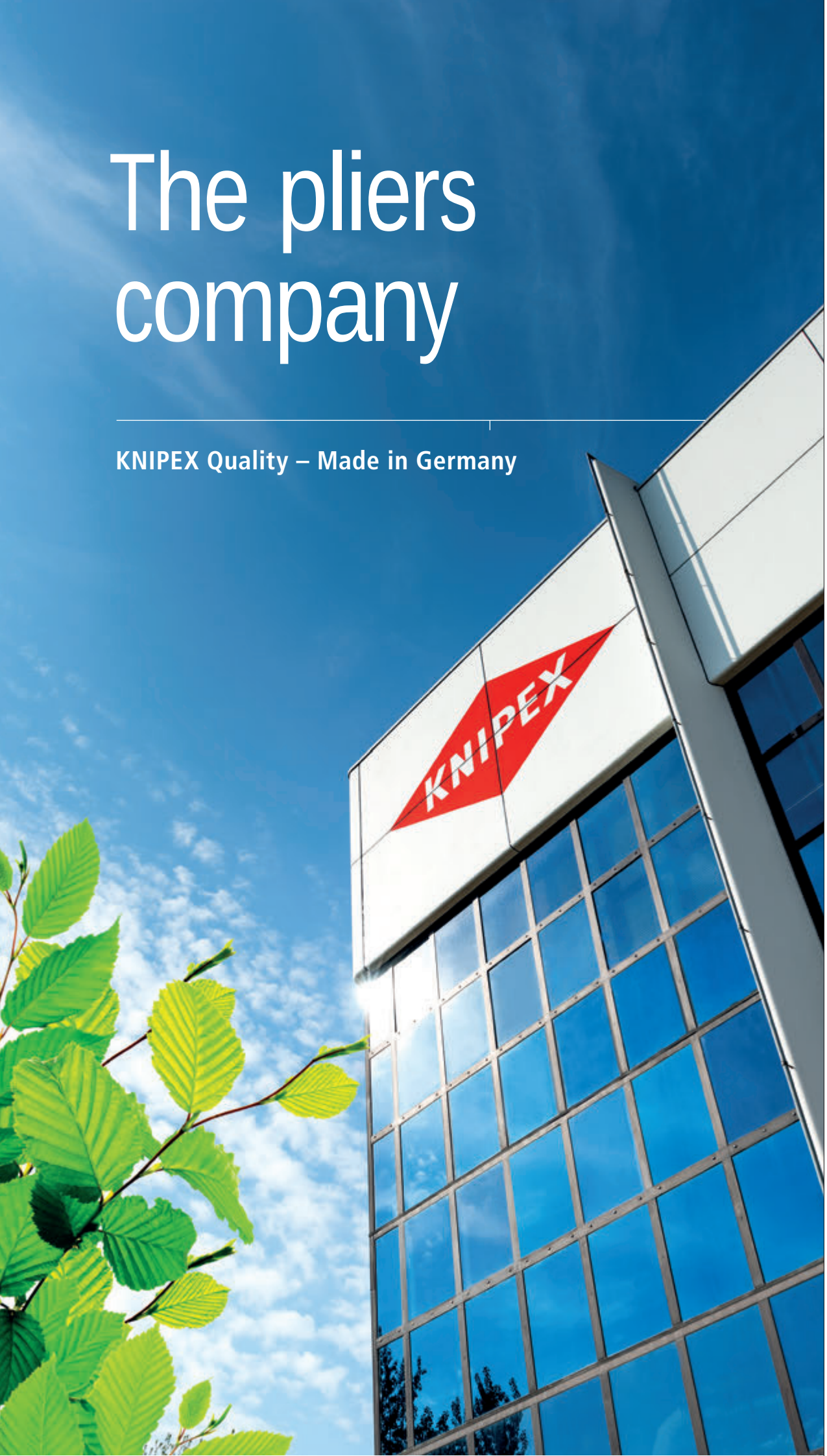



LDG Electric Solutions

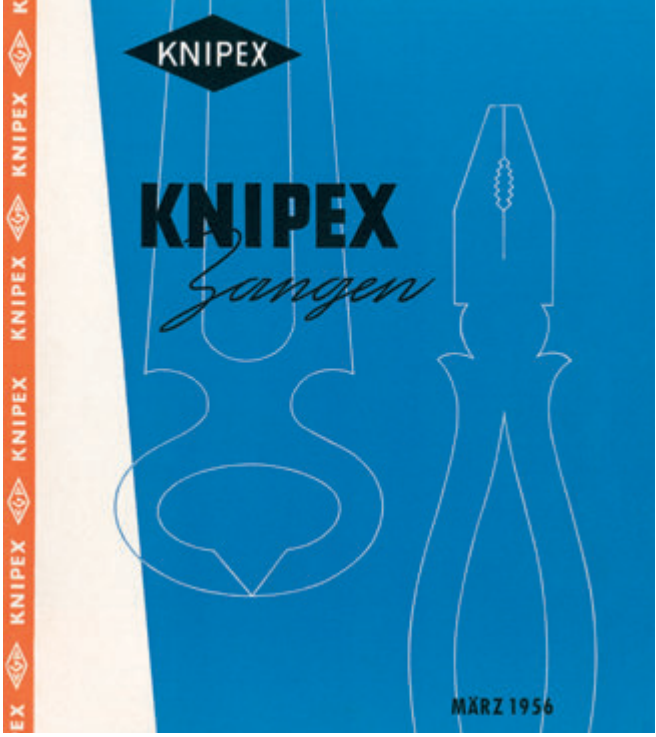
© 2023

# The pliers company

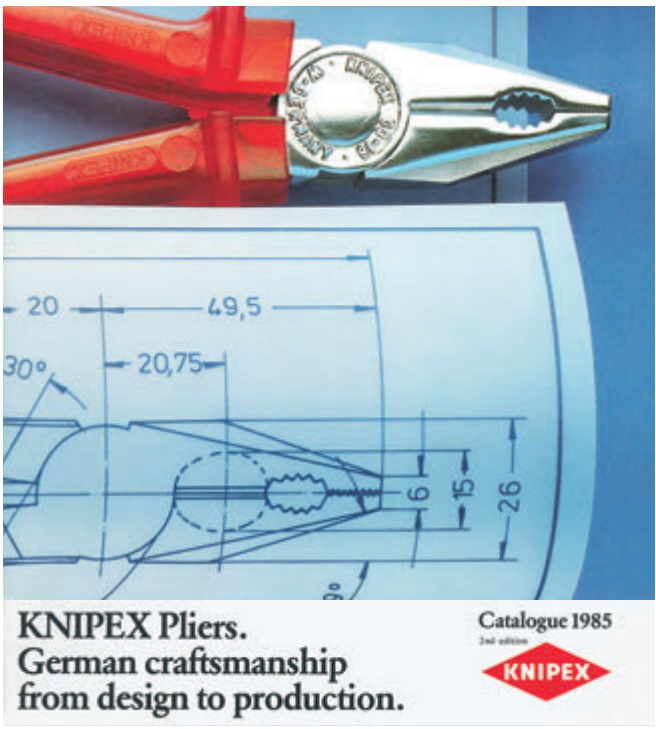
**KNIPEX Quality – Made in Germany**




KNIPEX
für den Mann vom Fach
1965


KNIPEX
KNIPEX
Zangen
MÄRZ 1956


KNIPEX
KNIPEX 01-160 VANADIN-SUPER
1974


20
49,5
30°
20,75
6
15
26
KNIPEX Pliers.
German craftsmanship
from design to production.
Catalogue 1985
KNIPEX


KNIPEX
Tarif des pinces et Tenailles
Septembre 1952


KATALOG 1939
C·GUST·PUTSCH
ZANGENFABRIK
WUPPERTAL-CRONENBERG

# KNIPEX –
# the company behind the pliers.

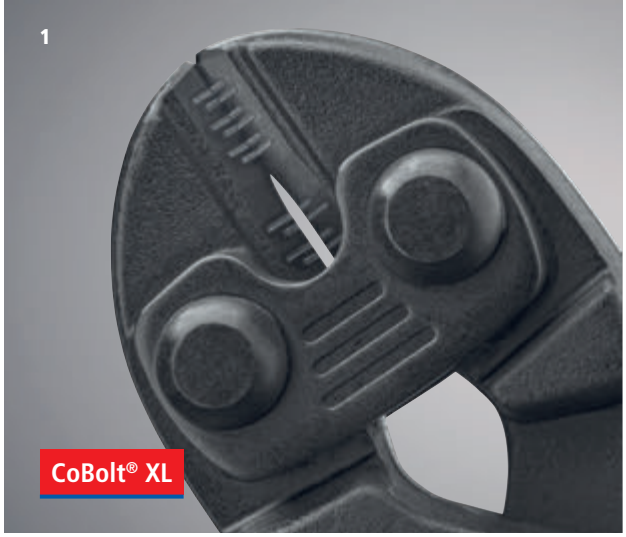
For over 130 years and four generations, we have been working passionately on being the best manufacturer of pliers for our customers and users – with a clear focus, high demands and a constant flow of new ideas. Throughout the world, our brand enjoys a great deal of trust, and we aim to consistently meet and rebuild this.

Success is important to us, but is not something we look for at any price. We are guided by values, orientate our actions towards sustainability, and face up to our responsibility towards society and the natural environment in which and with which we live. We invest heavily in the efficiency of our location and the qualification of our employees, working today on the success of tomorrow and the day after that – so that we can also continue to be a strong and reliable partner in the future.

Yours, Ralf Putsch



**Ralf Putsch, Managing Partner.**


1
CoBolt® XL


2
KNIPEX Cobra
Cobra®


3
0.5-2.5
Crimp
0.7-1.5
2.5
KNIPEX
Pliers for Electrical Installation


4
KNIPEX
X-Cut®


5
86 03 400
KNIPEX
Pliers Wrench


6
KNIPEX
TwinForce®


7
KNIPEX
Bolt End Cutting Nippers


8
KNIPEX
Spring Hose Clamp Pliers

# KNIPEX pliers are different: ideas for more use and performance.

Ever better pliers – that is our guiding principle to which we devote all of our expertise and creativity. We are not satisfied with standard solutions, but rather continuously develop new and improved models that are better to work with and easier to use.

Working in this way means that sometimes we find unconventional solutions to situations, which then go on to set new benchmarks in the industry: novel methods of power transmission, easier and faster handling, combining various functions in a single tool and imaginative problem solvers for special applications. These save our users energy and time, giving them better work results with less effort.

In addition to major innovations, we work continuously on reworking our models in lots of small steps to improve their function, ergonomics and service life.

**1 Compact force:** CoBolt® XL – two-hand operation for maximum cutting force.

**2 Easy operation:** Cobra® – fast grip, precise adjustment, hold with self-locking.

**3 Multifunctional:** electrical installation pliers – six functions in one pair of pliers.

**4 Universal cutting force:** X-Cut® – the first high leverage diagonal cutters with box joint and precision cutting edges.

**5 Speed and versatility:** pliers wrench – screws, holds, bends and presses without damaging materials.

**6 High performance cutting edges:** TwinForce® – high strength thanks to unique transmission.

**7 End cutting nippers – redefined:** bolt end cutting nippers – light, slim, cut directly on the pivot point.

**8 Problem-solver:** spring hose clamp pliers – the only pliers for all clamps; apply safely from all angles.

# Step by step:
# from idea to product.

A large number of steps lie between an initial idea and the finished product. We never lose sight of the fact that every new or further development must represent a noticeable improvement for the user. We deploy the most up to date technologies and processes when putting our ideas into practice.

We begin by carefully establishing the requirements and selecting the best concepts. The tool is constructed on a computer, and the function is simulated with the help of special software. This is followed by the first models made on a 3D printer and by milling and extensive tests on steel prototypes – naturally in close dialogue with experienced users. The first products manufactured using series production processes are subjected to further extensive tests – under conditions far more stringent than normal load.




**The locking mechanism on the spring hose clamp pliers permit simple and safe work, even with closed clamps. Modern CAD technology simulates the mechanism on the screen.**

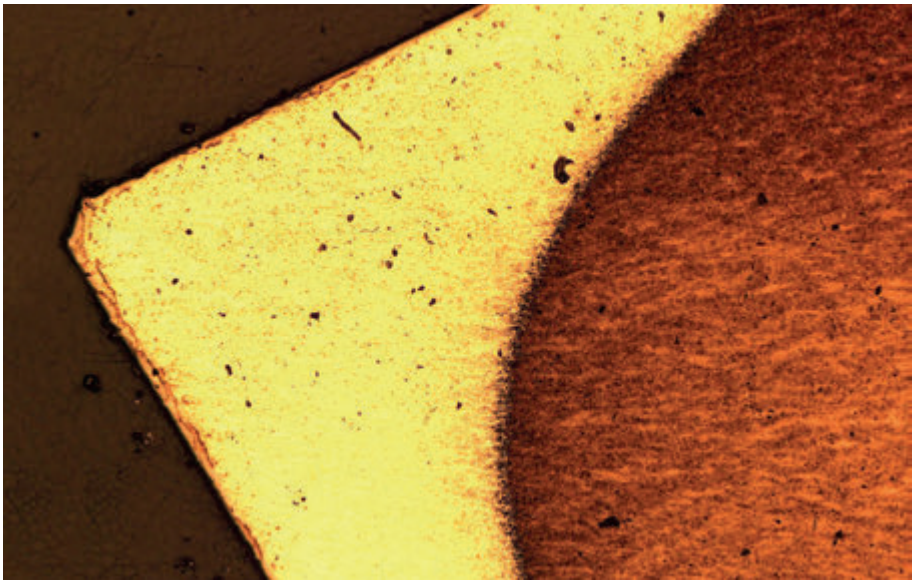


Filip Marovic, project manager for KNIPEX Product Development – "It can be seen repeatedly during the development cycles how important even the smallest detail can be. This is the very thing that motivates me to find creative new solutions. During the process we also take new technical possibilities in processing technology and materials into consideration."

# Core qualities:
# steel – and what we make from it.

You can expect a great deal more from a pair of KNIPEX pliers. This starts with the material. Because the many models of pliers in our range are designed for different requirements and loads, we use steel alloys that have been specially selected for the application and rolled according to our high specifications. Long lasting cutting capability when working with very hard wires, strength when working with high torque loads, and good resistance to corrosion are examples of these targets.

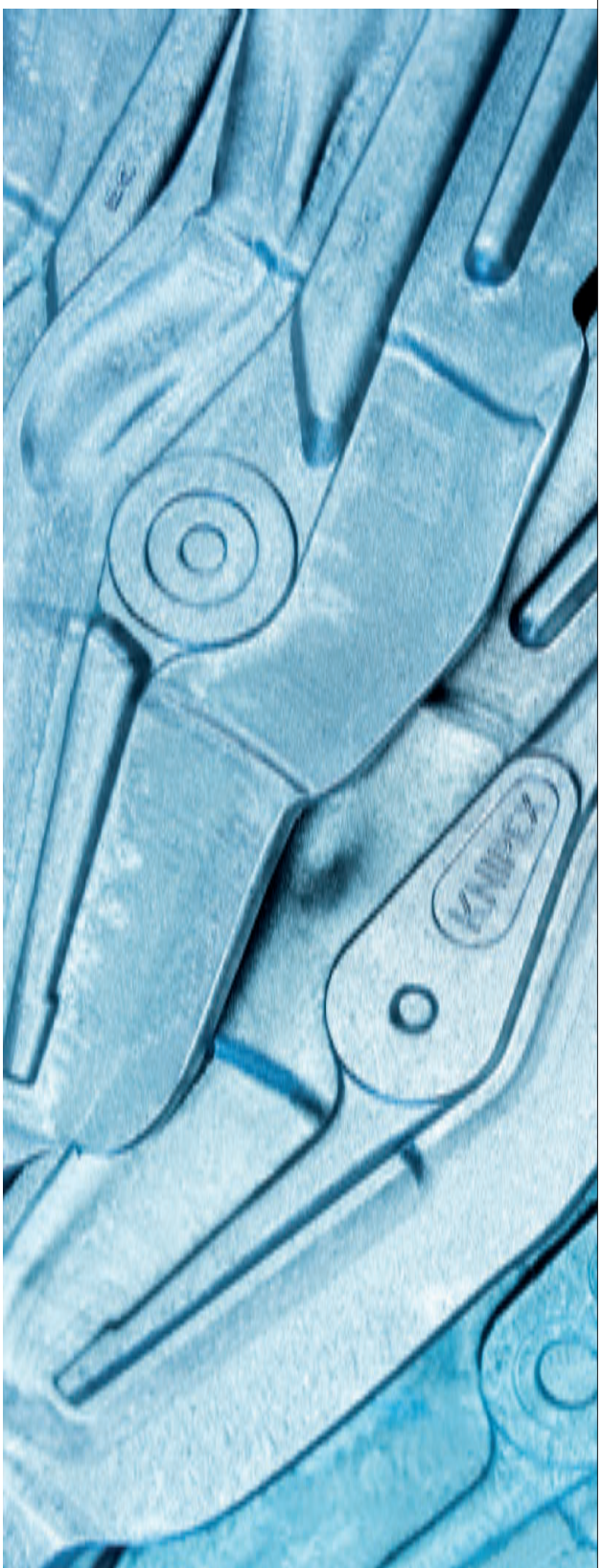
The respective materials are then given their specific molecular structure in a number of coordinated heat treatment steps to produce the optimal relationship between hardness and toughness. These processes allow us to achieve the high degree of reliability, durability and service life that are the very definition of KNIPEX pliers.



**Macro image of a cutter after induction hardening. The specially hardened cutter area (light) is in sharp contrast to the softer structure of the body of the pliers (dark).**









Handles of the "Alligator® water pump pliers" being forged under the hydraulic double-acting hammer.

# This is how our pliers are given their shape: hot and under high pressure.

Forging as a forming process is an old cultural technique and continues to hold fascination today. With an impact of up to five tonnes, the yellow glowing piece of steel is pounded in the upper and lower die at a temperature of 1,250°C. This gives it its basic shape and simultaneously a well-compacted structure.

The production of the forging die in our toolmaking works requires a great deal of experience and high precision, as this raw component will be crucial to the subsequent quality of the pliers. The contours of the forged component are milled at processing centres in the hardened and high strength die block.



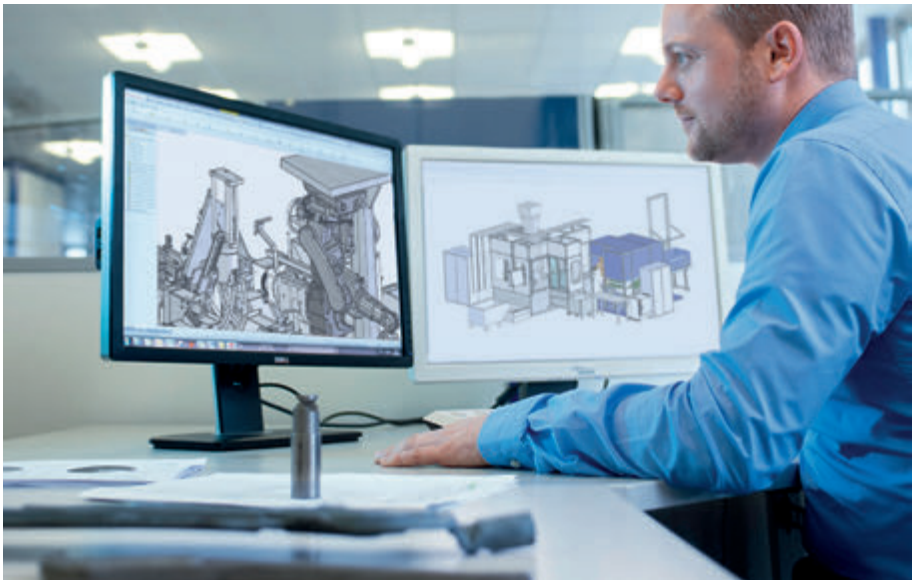
**Forging die for the high leverage diagonal cutters with forged-in axle.**

# The technology behind the pliers: machines made by KNIPEX.

All tools can only be as good as the production technology used to manufacture them. In other words, there can be no superior products without advances in production processes.

Due to our specialisation, we can focus on the technologies needed to produce high quality pliers efficiently. We have more than 400 machines, built with the specialised knowledge of generations. We build many of the machines ourselves or adapt machines precisely to our high standards using components we have manufactured. We even programme the software for the control and operation of the machinery ourselves in many cases.

From the product idea to the despatch of the finished pliers to our customers: everything is done under one roof. In this way we can directly influence all steps of value creation ourselves in terms of quality and efficiency, and make continuous improvements. Short paths and direct dialogue simplify coordination of processes and communication between employees.



**We ensure our high standards by developing our own processes and machinery.**



**Efficiently coordinated processes and machinery.**

**Over 45,000 pairs of different models of pliers leave our factory every day.**

Only after several test cuts, does a pair of KNIPEX cutting pliers leave our factory.






# We take it very literally: 100% reliability.

The precision of pliers is essential for their function: without accuracy there can be no reliable cutting, gripping and shaping, and also no zero backlash. The tight tolerances, which we make sure are complied with through the use of modern production technology, enable us to meet our stringent quality specifications.

We ensure compliance through strict measurements and diverse inspections – both after the various production steps and at the end of the entire process. To do this we use the most up-to-date measurement technology and endurance test plants – as well as the practical component test by hand.



**Shape and roughness of the diagonal cutter's cutting edge are precisely measured with an optical 3D measuring system.**

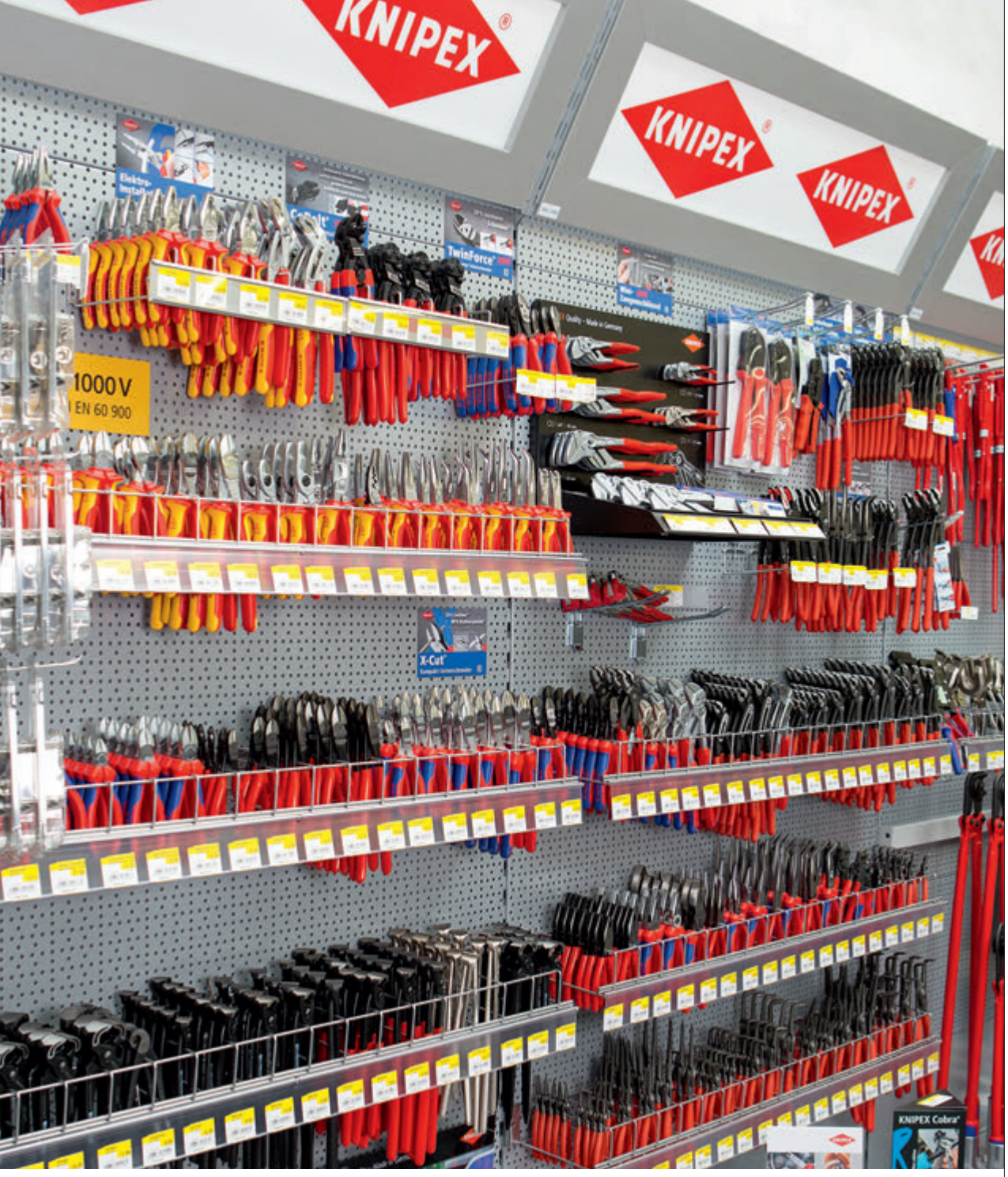
# More than excellent pliers: what else you can expect from us.

Quality does not stop with the product. Trust, reliability and a collaborative approach define our business relationships – with consistent customer orientation, good service and competent field staff. We provide advice and training, and supply you with extensive digital product data whose format we adapt to your specific requirements. Added to this are diverse possibilities for sales support.

You will not find the breadth and depth of our range with any other manufacturer worldwide – so that your customers can always find the tool they are looking for.




**We also present the breadth and depth of our range at in-house exhibitions and open days.**


KNIPEX
KNIPEX
KNIPEX
1000 V
EN 60 900
TwinForce
X-Cut
KNIPEX Cobra











# At home in the world: locations in more than 100 countries for you.

KNIPEX is the global pliers brand. We are present in all continents, with a dense network of customers, representatives and branches. In order to be closer still to our retailers and be able to give them even better support, we are further extending our international activities all the time.

There is no substitute for direct contact, which is why we are there for you personally at more than 100 trade fairs each year. On platforms and with the help of the most varied media – classic and digital – we provide comprehensive information about our range and application opportunities in over 30 languages. We reach users and fans throughout the whole world via social media and hundreds of KNIPEX online videos.




**We make up to date information available digitally in several languages on all usual channels.**

# The key factor: our employees.

The most important basis of our success is our employees. Their knowledge and skills, their dedication and their ideas are crucial to our efficiency and thus to our future.

As a company, we are a social community. We want to shape our culture in such a way that allows our employees to participate and identify through their work but also as individuals. We create good conditions for our employees to develop their potential, to obtain further qualifications and to stay healthy. It is also important to us that our employees are able to successfully balance family and career

We invest a significant amount of both expense and care in the training of young people, but also impart a wide spectrum of professional and personal skills to other employees.



**Our junior staff obtain their qualifications in our own modern training workshop.**












KNIPEX


KNIPEX
Null Emissionen – 100% elektrisch
W KW 45

# Acting responsibly – sustainable management.

As a company, we believe we share responsibility for our natural environment and the well-being of society. We interact with both in various ways. We consume resources, but take care to use them as carefully as possible, and want to make a contribution to ensuring that they are available to future generations in the same or where possible a better form.

Our ecological objectives include a continuous reduction in our energy consumption, reduction in the volumes of waste and caring for the biodiversity at our site. In addition, we participate in major climate protection projects.

Companies should also be good citizens. We support numerous institutions and organisations from the areas of education and culture. We maintain a close exchange with schools and universities, and strengthen civic engagement in our region in diverse ways.




**We support the Bergische music school in the "Singpause" project which, with the help of specially trained teachers, communicates the foundations of music and pleasure at singing together in schools.**

# At a glance

## Overview of products

**2** **Combination and Multifunctional Pliers**
Combination Pliers | Pliers for Installation | Round Nose and Flat Nose Pliers

**16** **Wire Strippers and Dismantling Tools**
Insulation Strippers with adapted blades | MultiStrip 10 | Dismantling Tools

**42** **Gripping and Grip Pliers**
Flat Nose Pliers | Round Nose Pliers | Grip Pliers

**54** **Circlip Pliers**
Circlip Pliers | Precision Circlip Pliers | Circlip Pliers Sets

**70** **Carpenters' Pincers and Concreters' Nippers**
Carpenters' Pincers | Concreter's Nippers | High Leverage Concreters' Nippers

**76** **Cutting Pliers**
Diagonal Cutters | Bolt Cutters | End Cutting Nippers

**100** **Pipe Wrenches and Water Pump Pliers**
Pliers Wrenches | KNIPEX Cobra® | KNIPEX Alligator® | Pipe Wrenches

**122** **Pipe Cutter**
KNIPEX PlastiCut® | KNIPEX TwistCut® | KNIPEX TubiX®

**134** **Special Pliers and Control Cabinet Keys**
Pipe Cutters | Spring Hose Clamp Pliers | Magnetic LED Lamp | Control Cabinet Keys

**150** **Cable and Wire Rope Shears**
Cable Shears | Cable Cutters with ratchet action | Wire Rope Shears

**166** **Crimping Pliers and Crimp Assortments**
Crimp System Pliers | KNIPEX PreciForce® | Cable Connectors

**198** **Insulated Tools**
Pliers | Wrenches | Screwdrivers | Sets

**242** **Electronics Pliers and Precision Tweezers**
Cutting Pliers | Gripping Pliers | Precision Tweezers

**272** **Pliers with tether attachment point for mounting a fall protection**

**278** **Tool Assortments and Tool Cases**
Pliers Sets | Tool Bags | Tool Cases

**338** **Index / Article Number | Index | Pliers-ABC**

# Combination and Multifunctional Pliers



| | |
|---|---|
| Combination Pliers | 4 |
| High Leverage Combination Pliers | 5 |
| Needle-Nose Combination Pliers | 6 |
| Mini Combination Pliers | 7 |
| Lineman's Pliers American style | 8 |
| WireStripper – Multifunction Electrician Pliers, American style | 9 |
| Pliers for Electrical Installation | 10 |
| Electricians' Pliers | 12 |
| Round Nose Pliers with cutting edge (Jewellers' Pliers) | 12 |
| Snipe Nose Side Cutting Pliers (Radio Pliers) | 13 |
| Snipe Nose Side Cutting Pliers (Stork Beak Pliers) | 14 |

# Combination Pliers

> 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
> DIN ISO 5746

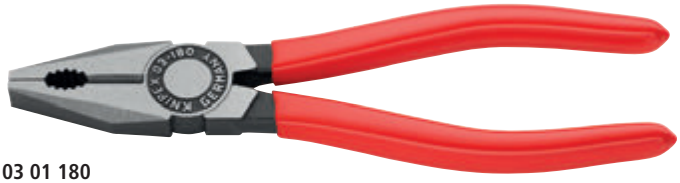
**03 06 180 T***
> Pliers with tether attachment point for mounting a fall protection











**03 01 180**



**03 02 180**



**03 05 180**



**03 06 180 T**



**03 07 200**

| Article No. | EAN 4003773- | ↔ mm | | Pliers | Head | Handles | Cutting capacities Ø mm | Ø mm | Ø mm | mm² | ⚖ g |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **03 01 140** | 015192 | 140 | | black atramentized | polished | plastic coated | 2.8 | 1.8 | 9.0 | 10 | 106 |
| **03 01 160** | 013235 | 160 | | | | | 3.1 | 2.0 | 10.0 | 16 | 187 |
| **03 01 180** | 013242 | 180 | | | | | 3.4 | 2.2 | 12.0 | 16 | 216 |
| **03 01 200** | 013259 | 200 | | | | | 3.8 | 2.5 | 13.0 | 16 | 276 |
| **03 01 250** | 015222 | 250 | | | | | 3.8 | 2.5 | 15.0 | 25 | 480 |
| **03 02 160** | 023203 | 160 | | black atramentized | polished | with multi-component grips | 3.1 | 2.0 | 10.0 | 16 | 223 |
| **03 02 180** | 023197 | 180 | | | | | 3.4 | 2.2 | 12.0 | 16 | 254 |
| **03 02 200** | 034940 | 200 | | | | | 3.8 | 2.5 | 13.0 | 16 | 322 |
| **03 05 140** | 039730 | 140 | | chrome plated | chrome plated | with multi-component grips | 2.8 | 1.8 | 9.0 | 10 | 139 |
| **03 05 160** | 039518 | 160 | | | | | 3.1 | 2.0 | 10.0,0 | 16 | 222 |
| **03 05 180** | 034933 | 180 | | | | | 3.4 | 2.2 | 12.0 | 16 | 254 |
| **03 05 200** | 041146 | 200 | | | | | 3.8 | 2.5 | 13.0 | 16 | 324 |
| **03 06 160** | 021902 | 160 | 1000 V | chrome plated | chrome plated | insulated with multi-component grips, VDE-tested | 3.1 | 2.0 | 10.0 | 16 | 228 |
| **03 06 180** | 021926 | 180 | 1000 V | | | | 3.4 | 2.2 | 12.0 | 16 | 264 |
| **03 06 200** | 033776 | 200 | 1000 V | | | | 3.8 | 2.5 | 13.0 | 16 | 355 |
| **03 06 180 T** | 081395 | 180 | 1000 V | chrome plated | chrome plated | insulated with multi-component grips, VDE-tested, with integrated insulated tether attachment point for a tool tether | 3.4 | 2.2 | 12.0,0 | 16 | 270 |
| **03 07 160** | 015307 | 160 | 1000 V | chrome plated | chrome plated | with dipped insulation, VDE-tested | 3.1 | 2.0 | 10.0 | 16 | 254 |
| **03 07 180** | 015314 | 180 | 1000 V | | | | 3.4 | 2.2 | 12.0 | 16 | 285 |
| **03 07 200** | 015321 | 200 | 1000 V | | | | 3.8 | 2.5 | 13.0 | 16 | 339 |
| **03 07 250** | 015345 | 250 | 1000 V | | | | 3.8 | 2.5 | 15.0 | 25 | 597 |



*Other tools with tethering can be found from page 272

# High Leverage Combination Pliers

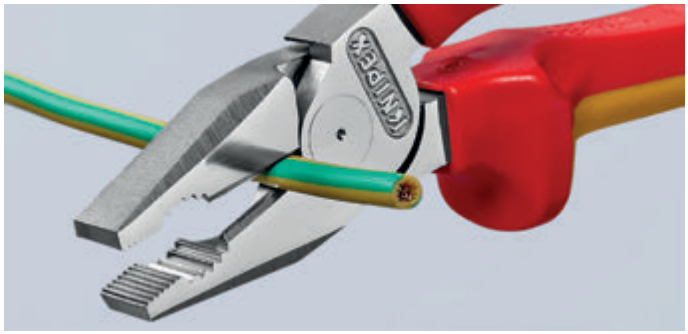
- 35 % less effort required than with conventional combination pliers
- With cutting edges (hardness approx. 63 HRC) for heavy duty

> Easier work due to optimised leverage
> Easier cutting, powerful gripping, bending and pulling
> 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
> Cutting edges additionally induction-hardened, cutting edge hardness approx. 63 HRC
> DIN ISO 5746

**02 02 225 T***
> Pliers with tether attachment point for mounting a fall protection





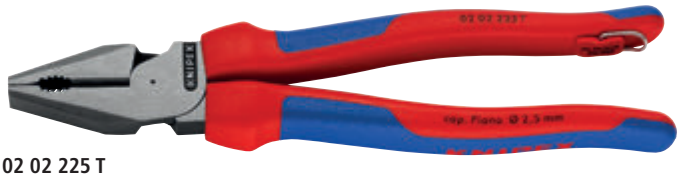





02 01 200




02 02 180




02 02 225 T




02 05 180




02 06 180




02 07 225

| Article No. | EAN 4003773- | ↔ mm | | Pliers | Head | Handles | Cutting capacities Ø mm | Ø mm | Ø mm | mm² | g |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **02 01 180** | 033134 | 180 | | black atramentized | polished | plastic coated | 2.5 | 2.0 | 11.5 | 16 | 202 |
| **02 01 200** | 039679 | 200 | | | | | 2.8 | 2.2 | 13.0 | 25 | 298 |
| **02 01 225** | 013198 | 225 | | | | | 3.0 | 2.5 | 14.0 | 25 | 355 |
| **02 02 180** | 034896 | 180 | | black atramentized | polished | with multi-component grips | 2.5 | 2.0 | 11.5 | 16 | 240 |
| **02 02 200** | 034902 | 200 | | | | | 2.8 | 2.2 | 13.0 | 25 | 342 |
| **02 02 225** | 043379 | 225 | | | | | 3.0 | 2.5 | 14.0 | 25 | 405 |
| **02 02 225 T** | 079934 | 225 | | black atramentized | polished | with multi-component grips and integrated tether attachment point | 3.0 | 2.5 | 14.0 | 25 | 410 |
| **02 05 180** | 043072 | 180 | | chrome plated | chrome plated | with multi-component grips | 2.5 | 2.0 | 11.5 | 16 | 238 |
| **02 05 200** | 043089 | 200 | | | | | 2.8 | 2.2 | 13.0 | 25 | 342 |
| **02 05 225** | 010005 | 225 | | | | | 3.0 | 2.5 | 14.0 | 25 | 400 |
| **02 06 180** | 010012 | 180 | 1000 V | chrome plated | 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 | 1000 V | chrome plated | 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 |

# Needle-Nose Combination Pliers

## 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
> Forged from special high grade tool steel, manifold oil-hardened
> Cutting edges additionally induction-hardened, cutting edge hardness approx. 59 – 63 HRC
> DIN ISO 5746

**08 22 145 T / 08 26 145 T***
> Pliers with tether attachment point for mounting a fall protection



Firm grip also on flat material due to three-point rest



Milled groove in the gripping area



Tip keeps its shape even during greater torsional forces



Slim head for ideal accessibility

PATENTED



**08 21 145**



**08 22 145**



**08 22 145 T**



**08 25 145**



**08 26 145**



**08 26 145 T**

| Article No. | EAN 4003773- | ↔ mm | | Pliers | Head | Handles | Cutting capacities Ø mm | Ø mm | Ø mm | mm² | g |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **08 21 145** | 078951 | 145 | | black atramentized | polished | plastic coated | 3.0 | 2.0 | 8.0 | 16 | 116 |
| **08 22 145** | 078968 | 145 | | black atramentized | polished | with multi-component grips | 3.0 | 2.0 | 8.0 | 16 | 145 |
| **08 22 145 T** | 080640 | 145 | | black atramentized | polished | with multi-component grips and integrated tether attachment point | 3.0 | 2.0 | 8.0 | 16 | 150 |
| **08 25 145** | 078975 | 145 | | chrome plated | chrome plated | with multi-component grips | 3.0 | 2.0 | 8.0 | 16 | 145 |
| **08 26 145** | 079361 | 145 | 1000 V | chrome plated | chrome plated | insulated with multi-component grips, VDE-tested | 3.0 | 2.0 | 8.0 | 16 | 145 |
| **08 26 145 T** | 081401 | 145 | 1000 V | chrome plated | chrome plated | insulated with multi-component grips, VDE-tested, with integrated insulated tether attachment point for a tool tether | 3.0 | 2.0 | 8.0 | 16 | 155 |



*Other tools with tethering can be found from page 272

# Combination Pliers

## Chrome Vanadium

> For heavy 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
> DIN ISO 5746, DIN EN 60900, IEC 60900




**01 06 160**

| Article No. | EAN 4003773- | ↔ mm | | Pliers | Head | Handles | Cutting capacities Ø mm | Ø mm | Ø mm | mm² | g |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **01 06 160** | 040729 | 160 | 1000 V | chrome plated | chrome plated | insulated with multi-component grips, VDE-tested | 2.0 | 1.5 | 10.0 | 16 | 220 |
| **01 06 190** | 040415 | 190 | | | | | 2.5 | 2.0 | 13.0 | 25 | 320 |

# Mini Combination Pliers

> Compact combination pliers for professionals and hobbyists
> With gripping zones for flat and round material, suitable for versatile use
> With cutting edges for soft and hard wire
> Cutting edges additionally induction-hardened, cutting edge hardness approx. 60 HRC
> Vanadium electric steel, forged, multi stage oil-hardened




**08 05 110**

| Article No. | EAN 4003773- | ↔ mm | | Pliers | Head | Handles | Cutting capacities Ø mm | Ø mm | Ø mm | mm² | g |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **08 05 110** | 034957 | 110 | | chrome plated | chrome plated | with multi-component grips | 2.5 | 1.6 | 9.0 | 10 | 85 |

# Lineman's Pliers

## American style

- High transmission ratio for easy cutting
- Requires 50 % less effort compared with conventional combination pliers thanks to optimised transmission ratio

> Solid construction for heaviest strain; universally applicable
> Ergonomically optimised handle shape for firm contact to the hand and fatigue reducing operation
> Particularly effective cross-hatched knurled gripping zone in the jaws – for strong gripping and pulling
> Additional gripping zone below the joint for powerful leverage and pressing performance
> With cutting edges for soft and hard wire
> Cutting edges additionally induction-hardened, cutting edge hardness approx. 64 HRC
> Vanadium electric steel, forged, multi stage oil-hardened
> DIN ISO 5746, ASME B107.20

**09 02 240 T / 09 12 240 T***
> Pliers with tether attachment point for mounting a fall protection

**09 11 240 / 09 12 240 / 09 12 240 T***
> With fish tape puller in the joint gap; with universal mandrel crimping point below the joint


09 01 240

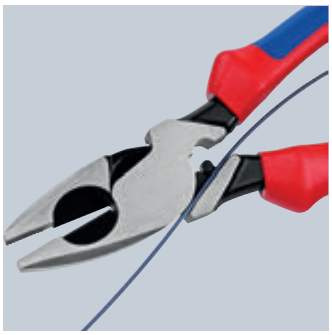

09 02 240


09 02 240 T


09 11 240


09 12 240


09 12 240 T


09 11/12 240: fish tape puller in the joint gap


Cross-hatched, knurled gripping zone for firm gripping and pulling, e. g. for fence construction


Long cutting edges for cutting flat cables


09 11/12 240: universal mandrel crimping area below the joint

| Article No. | EAN 4003773- | ↔ mm | | Pliers | Head | Handles | Cutting capacities ◑ Ø mm | Cutting capacities ◕ Ø mm | ⚖ g |
|---|---|---|---|---|---|---|---|---|---|
| **09 01 240** | 064992 | 240 | | black atramentized | polished | with non-slip plastic coating | 4.6 | 3.0 | 435 |
| **09 02 240** | 065005 | 240 | | black atramentized | polished | with multi-component grips | 4.6 | 3.0 | 470 |
| **09 02 240 T** | 079941 | 240 | | black atramentized | polished | with multi-component grips and integrated tether attachment point | 4.6 | 3.0 | 463 |
| **09 11 240** | 071952 | 240 | | black atramentized | polished | with non-slip plastic coating | 4.6 | 3.0 | 435 |
| **09 12 240** | 071969 | 240 | | black atramentized | polished | with multi-component grips | 4.6 | 3.0 | 470 |
| **09 12 240 T** | 079958 | 240 | | black atramentized | polished | with slim multi-component grips, with integrated tether attachment point for a tool tether | 4.6 | 3.0 | 455 |



*Other tools with tethering can be found from page 272

# WireStripper

## Multifunction Electrician Pliers, American style

### Superior 7-in-1 multifunctional tool for electrical installation

- Strip faster: Precise positioning of the wire thanks to location ridges
- Innovative cutting edge geometry, particularly powerful cutting edges: 50 % higher cutting capacity and 25 % less cutting effort compared to standard wire strippers
- Fast, burr-free cutting of threaded rods and screws of UNC 6 – 32 and 8 – 32 up to class 4.6

> Precisely ground: Stripping profiles for conductors from 18 – 10 AWG (solid) and 20 – 12 AWG (finely stranded)
> Easy cutting of copper and aluminium cables up to Ø 15 mm (1/2")
> Multifunctional gripping surfaces for reliable gripping, holding and bending of flat and round material as well as for twisting wires
> High stability and good accessibility thanks to hybrid tips on the pliers head, which are flat and wide
> Convenient: Comfortable opening width and ergonomic handle shape, integrated opening spring makes frequent cutting easier
> Ideal for right- and left-handed users: locking device can be operated from either side
> Clear-cut outside edges on the jaws for working on flush-mounted junction boxes and deburring feed-through holes
> High-grade special tool steel, forged, multi stage oil-hardened



13 71 8



13 72 8



Laser marking of the stripping profiles for AWG dimensions shows stripping capacities for solid and stranded conductors



No screw in necessary: saves time cutting threaded rods and screws of sizes UNC 6 – 32 and 8 – 32 up to class 4.6

**Designed for AWG cable cross-sections and UNC threads common in the USA, Great Britain, Australia – not suitable for metric cables and materials**





More convenience: cuts cables up to Ø 15 mm (1/2") up to 25 % easier than comparably sized cable cutters, thanks to the stepped cutting edges



The precision-manufactured locating ridges allow for a quick selection of the correct stripping hole



The integrated opening spring makes frequent cutting easier – and it can be secured with a lock for transport

| Article No. | EAN 4003773- | ◄► mm | | Pliers | Head | Handles | Ø Inch | mm | AWG | g |
|---|---|---|---|---|---|---|---|---|---|---|
| **13 71 8** | 086673 | 200 | | black atramentized | polished | plastic coated | 1/2 | 15 | 20 - 10 | 260 |
| **13 72 8** | 086680 | 200 | | black atramentized | polished | with multi-component grips | 1/2 | 15 | 20 - 10 | 275 |

# Pliers for Electrical Installation

PATENTED

## The all-rounder for professionals

- 6 functions in one pair of pliers
- Multifunctional pliers for the electrical installation; to grip flat and round material, for bending, deburring, cutting cable, stripping and crimping wire ferrules

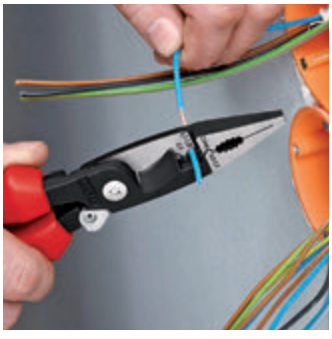
> Smooth surfaces near the tips grip single cores without damaging them; serrated gripping surfaces and pipe grip for gripping flat and round material
> Clear-cut outside edge on the gripping surfaces for working on flush-mounted junction boxes and deburring feed-through holes
> Stripping holes for conductors of 0.75 – 1.5 mm² and 2.5 mm²
> Crimping die for wire ferrules 0.5 – 2.5 mm²
> Cable shears with (induction-hardened) precision cutting edges for copper and aluminium cables up to 5 x 2.5 mm² / 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 82 200 T / 13 96 200 T***
> Pliers with tether attachment point for mounting a fall protection

**13 91 200 / 13 92 200 / 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.












13 81 200




13 82 200




13 82 200 T



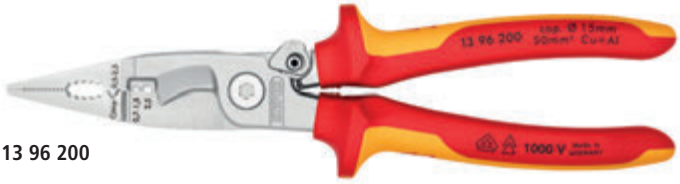

13 86 200



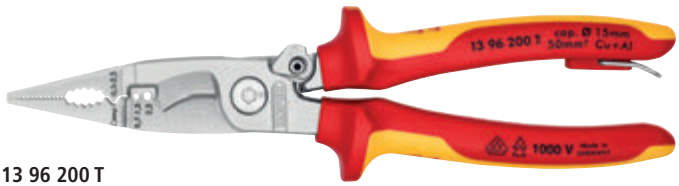

13 91 200




13 92 200



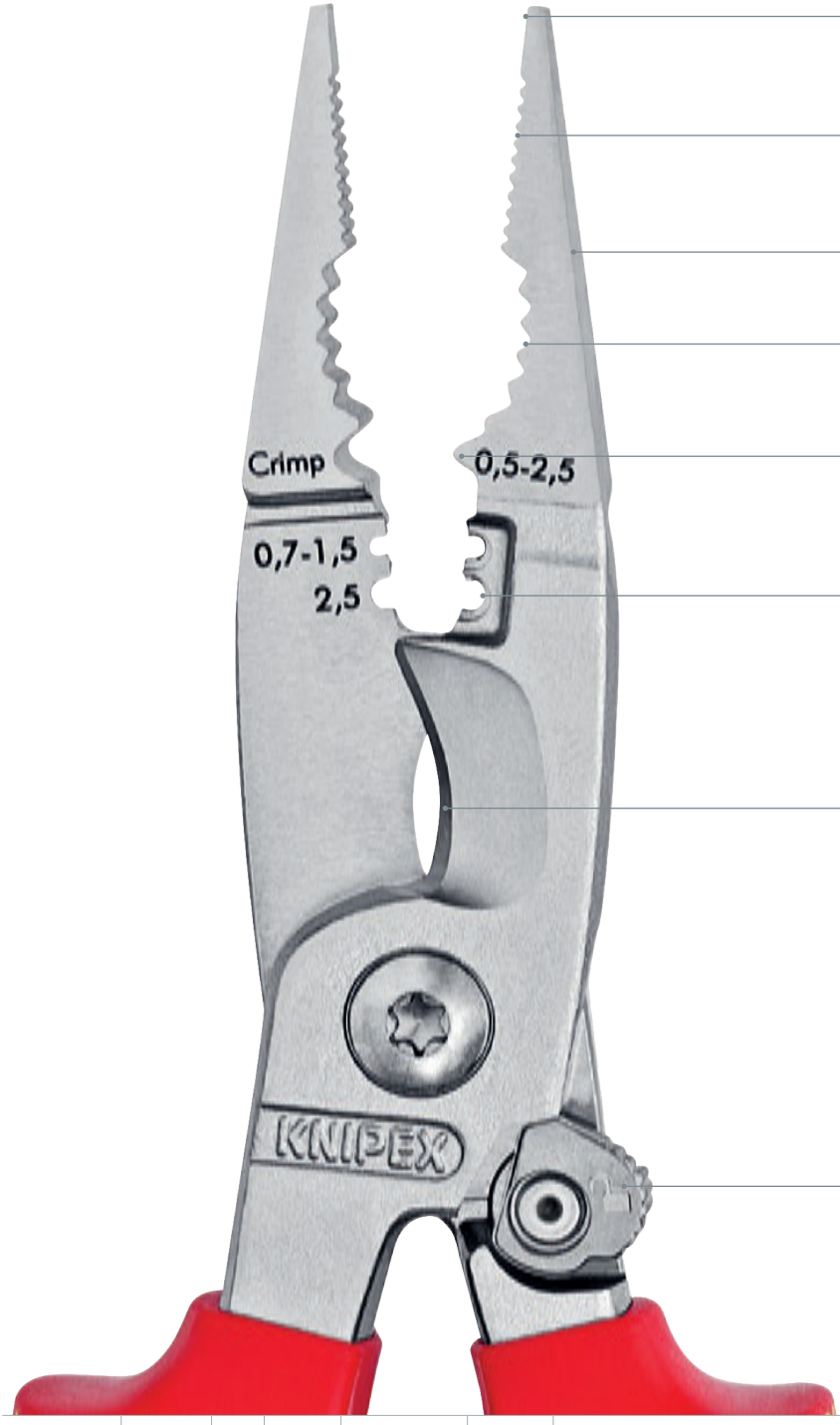

13 96 200




13 96 200 T



*Other tools with tethering can be found from page 272




**Smooth gripping surface**
for a non-damaging gripping and flattening, round-shaping (form wire loops)

**Profiled gripping surface**
to protect the workpiece, flattened for stronger yet gentle gripping

**Clear-cut outside edge**
for deburring and widening holes

**Pipe grip**
for round parts and cables

**Universal crimp die**
for end sleeves (ferrules) from 0.5 to 2.5 mm²

**Stripping**
for copper conductors from 0.75 to 1.5 and 2.5 mm²

**Shear blade**
for cutting copper cable up to Ø 15 mm (5 x 2.5 mm²)

**13 91 200 / 13 92 200 / 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.

| Article No. | EAN 4003773- | ↔ mm | | Pliers | Head | Handles | Cutting capacities Ø mm | Cutting capacities mm² | Stripping capacity for cross-sections mm² | Crimping capacities mm² | g |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **13 81 200** | 075240 | 200 | | black atramentized | polished | plastic coated | 15.0 | 50 | 0.75 – 1.5 / 2.5 | 0.5 – 2.5 | 265 |
| **13 82 200** | 075080 | 200 | | black atramentized | polished | with multi-component grips | 15.0 | 50 | 0.75 – 1.5 / 2.5 | 0.5 – 2.5 | 280 |
| **13 82 200 T** | 079972 | 200 | | black atramentized | polished | with multi-component grips and integrated tether attachment point | 15.0 | 50 | 0.75 – 1.5 / 2.5 | 0.5 – 2.5 | 267 |
| **13 86 200** | 075097 | 200 | 1000 V | chrome plated | chrome plated | insulated with multi-component grips, VDE-tested | 15.0 | 50 | 0.75 – 1.5 / 2.5 | 0.5 – 2.5 | 280 |
| **13 91 200** | 075257 | 200 | | black atramentized | polished | plastic coated | 15.0 | 50 | 0.75 – 1.5 / 2.5 | 0.5 – 2.5 | 265 |
| **13 92 200** | 075103 | 200 | | black atramentized | polished | with multi-component grips | 15.0 | 50 | 0.75 – 1.5 / 2.5 | 0.5 – 2.5 | 280 |
| **13 96 200** | 075110 | 200 | 1000 V | chrome plated | chrome plated | insulated with multi-component grips, VDE-tested | 15.0 | 50 | 0.75 – 1.5 / 2.5 | 0.5 – 2.5 | 280 |
| **13 96 200 T** | 081425 | 200 | 1000 V | chrome plated | chrome plated | insulated with multi-component grips, VDE-tested, with integrated insulated tether attachment point for a tool tether | 15.0 | 50 | 0.75 – 1.5 / 2.5 | 0.5 – 2.5 | 275 |

# Electricians' Pliers

> The ideal pliers for cable work
> For gripping and bending wire
> For cutting medium hard and hard wire
> Precision cutting edges additionally induction-hardened, cutting edge hardness approx. 60 HRC
> With precision stripping holes
> For crimping wire ferrules
> Vanadium electric steel, forged, multi stage oil-hardened

**13 05 160 T***
> Pliers with tether attachment point for mounting a fall protection


Cutting Edges


Stripping


Crimping 0.5 to 2.5 mm²


Gripping


13 01 160


13 02 160


13 05 160 T

| Article No. | EAN 4003773- | ↔ mm | | Pliers | Head | Handles | Cutting capacities ◑ Ø mm | Cutting capacities ◕ Ø mm | Stripping capacities mm² | ⚖ g |
|---|---|---|---|---|---|---|---|---|---|---|
| **13 01 160** | 034971 | 160 | | black atramentized | polished | plastic coated | 2.5 | 1.6 | 0,5 – 0,75 / 1,5 / 2,5 | 112 |
| **13 02 160** | 010470 | 160 | | black atramentized | polished | with multi-component grips | 2.5 | 1.6 | 0,5 – 0,75 / 1,5 / 2,5 | 139 |
| **13 05 160** | 071426 | 160 | | chrome plated | chrome plated | with multi-component grips | 2.5 | 1.6 | 0,5 – 0,75 / 1,5 / 2,5 | 139 |
| **13 05 160 T** | 079965 | 160 | | chrome plated | chrome plated | with multi-component grips and integrated tether attachment point | 2.5 | 1.6 | 0,5 – 0,75 / 1,5 / 2,5 | 142 |

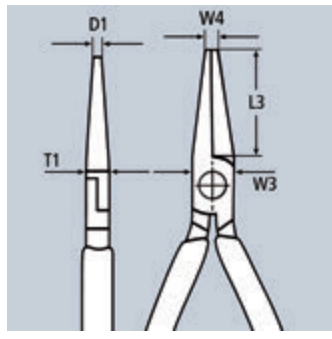
# Round Pliers with cutting edge

## Jewellers' Pliers

> For gripping and manipulating fine wires, e.g. in jewellery work
> Ideal for cutting and bending activities, also in electronics
> For bending wire loops
> Precision-ground round jaws with fine, pointed tips
> Cutting edges additionally induction-hardened, cutting edge hardness approx. 60 HRC
> Vanadium electric steel, forged, multi stage oil-hardened


19 01 130






| Article No. | EAN 4003773- | ↔ mm | | Pliers | Head | Handles | Cutting capacities ◑ Ø mm | Cutting capacities ◕ Ø mm | Dimensions D1 mm | L3 mm | T1 mm | W3 mm | W4 mm | ⚖ g |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **19 01 130** | 034995 | 130 | | black atramentized | polished | plastic coated | 2.2 | 1.6 | 1.0 | 32.0 | 8.0 | 13.5 | 2.0 | 73 |
| **19 03 130** | 014348 | 130 | | chrome plated | chrome plated | plastic coated | 2.2 | 1.6 | 1.0 | 32.0 | 8.0 | 13.5 | 2.0 | 72 |



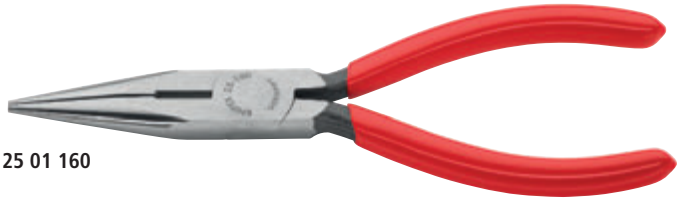
*Other tools with tethering can be found from page 272

# Snipe Nose Side Cutting Pliers

## Radio Pliers

> Suitable for finer gripping and cutting work
> Half-round, long, tapered jaws
> Knurled gripping surfaces
> With cutting edges for soft, medium-hard and hard wire
> Cutting edges additionally induction-hardened, cutting edge hardness approx. 61 HRC
> Vanadium electric steel, forged, multi stage oil-hardened
> DIN ISO 5745

**25 06 160 T***
> Pliers with tether attachment point for mounting a fall protection



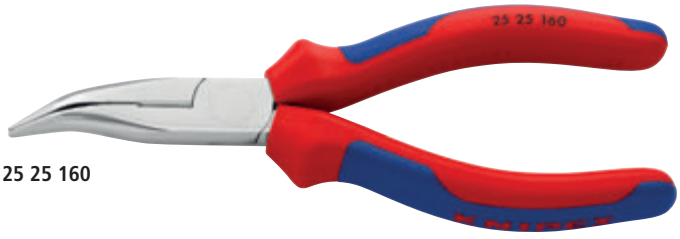
25 01 160



25 02 160



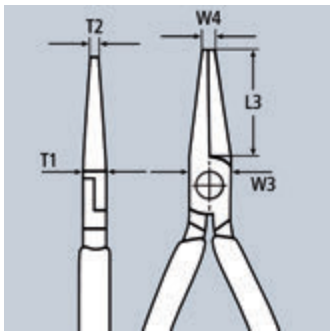
25 25 160

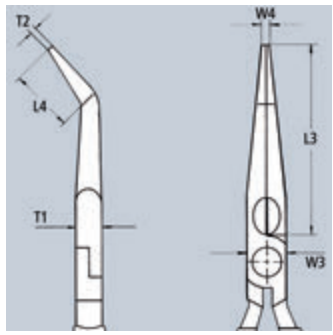


25 25 160








| Article No. | EAN 4003773- | ↔ mm | | Pliers | Head | Handles | Cutting capacities ◑ Ø mm | Cutting capacities ◕ Ø mm | Dimensions L3 mm | L4 mm | W3 mm | T1 mm | W4 mm | T2 mm | ⚖ g |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **25 01 125** | 015932 | 125 | | black atramentized | polished | plastic coated | 2.2 | 1.6 | 27.0 | | 13.0 | 7.0 | 2.5 | 1.8 | 73 |
| **25 01 140** | 033158 | 140 | | | | | 2.5 | 1.6 | 42.0 | | 15.0 | 8.0 | 2.5 | 2.0 | 90 |
| **25 01 160** | 033912 | 160 | | | | | 2.5 | 1.6 | 50.0 | | 16.5 | 9.0 | 3.0 | 2.5 | 115 |
| **25 02 140** | 023159 | 140 | | black atramentized | polished | with multi-component grips | 2.5 | 1.6 | 42.0 | | 15.0 | 8.0 | 2.5 | 2.0 | 109 |
| **25 02 160** | 023166 | 160 | | | | | 2.5 | 1.6 | 50.0 | | 16.5 | 9.0 | 3.0 | 2.5 | 144 |
| **25 03 125** | 043065 | 125 | | chrome plated | chrome plated | plastic coated | 2.2 | 1.6 | 27.0 | | 13.0 | 7.0 | 2.5 | 1.8 | 72 |
| **25 05 140** | 035015 | 140 | | chrome plated | chrome plated | with multi-component grips | 2.5 | 1.6 | 42.0 | | 15.0 | 8.0 | 2.5 | 2.0 | 111 |
| **25 05 160** | 022817 | 160 | | | | | 2.5 | 1.6 | 50.0 | | 16.5 | 9.0 | 3.0 | 2.5 | 144 |
| **25 06 160** | 033806 | 160 | 1000 V | chrome plated | 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 06 160 T** | 081432 | 160 | 1000 V | chrome plated | chrome plated | insulated with multi-component grips, VDE-tested, with integrated insulated tether attachment point for a tool tether | 2.5 | 1.6 | 50.0 | | 16.5 | 9.0 | 3.0 | 2.5 | 155 |
| **25 21 160** | 050476 | 160 | 40° | black atramentized | polished | plastic coated | 2.5 | 1.6 | 50.0 | 23.0 | 16.5 | 9.0 | 3.0 | 2.5 | 116 |
| **25 25 160** | 016007 | 160 | 40° | chrome plated | chrome plated | with multi-component grips | 2.5 | 1.6 | 50.0 | 23.0 | 16.5 | 9.0 | 3.0 | 2.5 | 143 |
| **25 26 160** | 052111 | 160 | 1000 V 40° | chrome plated | 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 |

*Other tools with tethering can be found from page 272

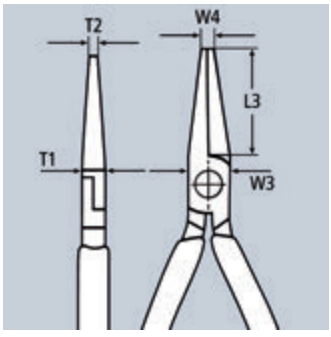
# Snipe Nose Side Cutting Pliers

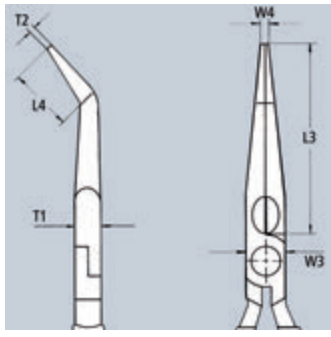
## Stork Beak Pliers

▸ Elastic tips: dimensionally stable even when twisted

> Distortion-tolerant, elastic precision tips
> Half-round, long, tapered jaws
> With cutting edges (hardness approx. 61 HRC) for soft, medium-hard and hard wire
> Cutting edges additionally induction-hardened, cutting edge hardness approx. 61 HRC
> Vanadium electric steel, forged, multi stage oil-hardened
> DIN ISO 5745

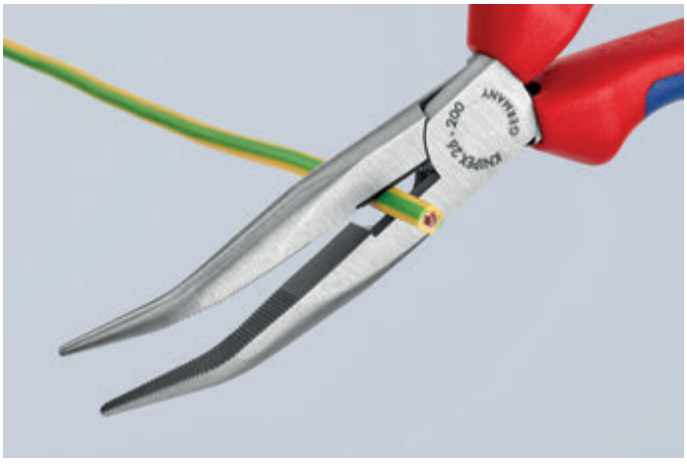
**26 12 200 T / 26 15 200 T / 26 16 200 T / 26 22 200 T / 26 25 200 T / 26 26 200 T***
> Pliers with tether attachment point for mounting a fall protection



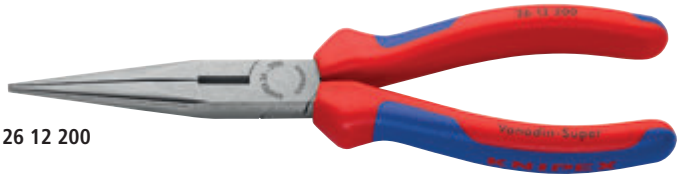




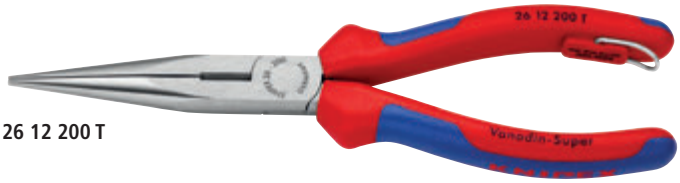





**26 11 200**



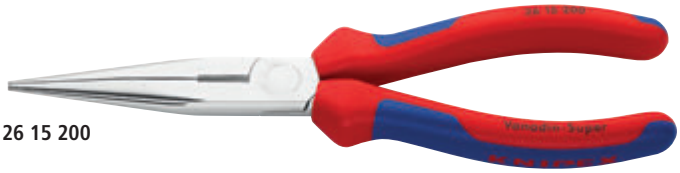
**26 12 200**



**26 12 200 T**



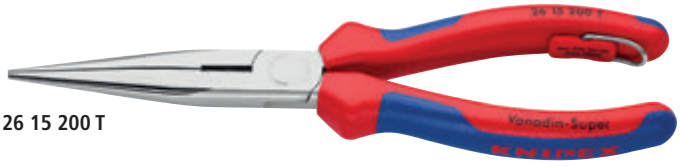
**26 13 200**



**26 15 200**



**26 25 200**



**26 15 200 T**



**26 16 200**



**26 16 200 T**



*Other tools with tethering can be found from page 272




| Article No. | EAN 4003773- | ↔ mm | | Pliers | Head | Handles | Cutting capacities ◑ Ø mm | Cutting capacities ◕ Ø mm | Dimensions L3 mm | L4 mm | W3 mm | T1 mm | W4 mm | T2 mm | ⚖ g |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **26 11 200** | 022824 | 200 | | black atramentized | polished | plastic coated | 3.2 | 2.2 | 73.0 | | 18.0 | 9.5 | 3.0 | 2.5 | 170 |
| **26 12 200** | 023142 | 200 | | black atramentized | polished | with multi-component grips | 3.2 | 2.2 | 73.0 | | 18.0 | 9.5 | 3.0 | 2.5 | 201 |
| **26 12 200 T** | 079989 | 200 | | black atramentized | polished | with multi-component grips and integrated tether attachment point | 3.2 | 2.2 | 73.0 | | 18.0 | 9.5 | 3.0 | 2.5 | 200 |
| **26 13 200** | 040590 | 200 | | chrome plated | | plastic coated | 3.2 | 2.2 | 73.0 | | 18.0 | 9.5 | 3.0 | 2.5 | 169 |
| **26 15 200** | 035022 | 200 | | chrome plated | chrome plated | with multi-component grips | 3.2 | 2.2 | 73.0 | | 18.0 | 9.5 | 3.0 | 2.5 | 198 |
| **26 15 200 T** | 079996 | 200 | | chrome plated | chrome plated | with multi-component grips and integrated tether attachment point | 3.2 | 2.2 | 73.0 | | 18.0 | 9.5 | 3.0 | 2.5 | 204 |
| **26 16 200** | 022831 | 200 | 1000 V | chrome plated | chrome plated | insulated with multi-component grips, VDE-tested | 3.2 | 2.2 | 73.0 | | 18.0 | 9.5 | 3.0 | 2.5 | 206 |
| **26 16 200 T** | 081449 | 200 | 1000 V | chrome plated | chrome plated | insulated with multi-component grips, VDE-tested, with integrated insulated tether attachment point for a tool tether | 3.2 | 2.2 | 73.0 | | 18.0 | 9.5 | 3.0 | 2.5 | 215 |
| **26 17 200** | 016069 | 200 | 1000 V | chrome plated | chrome plated | with dipped insulation, VDE-tested | 3.2 | 2.2 | 73.0 | | 18.0 | 9.5 | 3.0 | 2.5 | 212 |
| **26 21 200** | 022848 | 200 | 40° | black atramentized | polished | plastic coated | 3.2 | 2.2 | 73.0 | 23.0 | 18.0 | 9.5 | 3.0 | 2.5 | 171 |
| **26 22 200** | 023135 | 200 | 40° | black atramentized | polished | with multi-component grips | 3.2 | 2.2 | 73.0 | 23.0 | 18.0 | 9.5 | 3.0 | 2.5 | 197 |
| **26 22 200 T** | 080008 | 200 | 40° | black atramentized | polished | with multi-component grips and integrated tether attachment point | 3.2 | 2.2 | 73.0 | 23.0 | 18.0 | 9.5 | 3.0 | 2.5 | 202 |
| **26 25 200** | 035039 | 200 | 40° | chrome plated | chrome plated | with multi-component grips | 3.2 | 2.2 | 73.0 | 23.0 | 18.0 | 9.5 | 3.0 | 2.5 | 199 |
| **26 25 200 T** | 080015 | 200 | 40° | chrome plated | chrome plated | with multi-component grips and integrated tether attachment point | 3.2 | 2.2 | 73.0 | 23.0 | 18.0 | 9.5 | 3.0 | 2.5 | 205 |
| **26 26 200** | 022855 | 200 | 1000 V 40° | chrome plated | chrome plated | insulated with multi-component grips, VDE-tested | 3.2 | 2.2 | 73.0 | 23.0 | 18.0 | 9.5 | 3.0 | 2.5 | 204 |
| **26 26 200 T** | 081456 | 200 | 1000 V 40° | chrome plated | chrome plated | with multi-component grips and integrated tether attachment point | 3.2 | 2.2 | 73.0 | 23.0 | 18.0 | 9.5 | 3.0 | 2.5 | 215 |
| **26 27 200** | 016090 | 200 | 1000 V 40° | chrome plated | chrome plated | with dipped insulation, VDE-tested | 3.2 | 2.2 | 73.0 | 23.0 | 18.0 | 9.5 | 3.0 | 2.5 | 220 |




# Wire Strippers and Dismantling Tools

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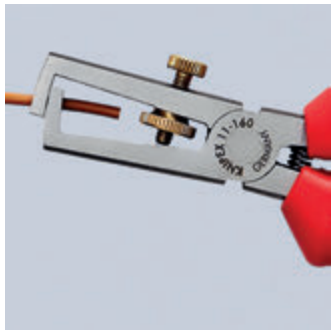
# Insulation Strippers

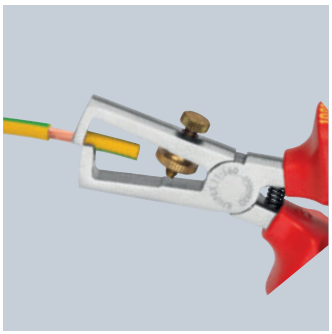
## universal

> For single, multiple and fine stranded conductors with plastic or rubber insulation up to 5.0 mm dia. or 10 mm² 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 T***
> Pliers with tether attachment point for mounting a fall protection













11 01 160



11 02 160



11 05 160



11 06 160 T



11 12 160

| Article No. | EAN 4003773- | ↔ mm | | Pliers | Head | Handles | Stripping capacities Ø mm | mm² | AWG | ⚖ g |
|---|---|---|---|---|---|---|---|---|---|---|
| **11 01 160** | 033868 | 160 | | black atramentized | polished | plastic coated | 5.0 | 10 | 8 | 131 |
| **11 02 160** | 023180 | 160 | | black atramentized | polished | with multi-component grips | 5.0 | 10 | 8 | 165 |
| **11 05 160** | 039570 | 160 | | chrome plated | chrome plated | with multi-component grips | 5.0 | 10 | 8 | 157 |
| **11 06 160** | 021933 | 160 | 1000 V | chrome plated | chrome plated | insulated with multi-component grips, VDE-tested | 5.0 | 10 | 8 | 200 |
| **11 06 160 T** | 081418 | 160 | 1000 V | chrome plated | chrome plated | insulated with multi-component grips with integrated insulated tether attachment point, VDE tested | 5.0 | 10 | 8 | 180 |
| **11 07 160** | 015499 | 160 | 1000 V | chrome plated | chrome plated | with dipped insulation, VDE-tested | 5.0 | 10 | 8 | 180 |
| **11 12 160** | 034964 | 160 | | black atramentized | polished | with multi-component grips | 5.0 | 10 | 8 | 156 |
| **11 09 01** | 052326 | Set of spare parts (screw and nut) for 11 160 | | | | | | | | |



*Other tools with tethering can be found from page 272

# Electronics Wire Stripping Shears

> For cutting and stripping solid, multicore and finely stranded conductors with conductor cross-section up to 0.75 mm²
> Pointed head of shears above the wire stripping hole for the accurate cutting of fine wire in confined places
> Easy adjustment to the required diameter of solid or stranded wire with knurled screw and lock nut
> With opening spring
> Special tool steel, oil-hardened




**11 82 130**





| Article No. | EAN 4003773- | ↔ mm | | Head | Handles | Stripping capacities mm² | ⚖ g |
|---|---|---|---|---|---|---|---|
| **11 82 130** | 071648 | 140 | | polished | with multi-component grips | 0.01 – 0.75 | 85 |

# Electronics Wire Stripper

> For single, multiple and fine stranded cables having a diameter from 0.1 up to 0.8 mm, with plastic or rubber insulation
> Easy adjustment to the required diameter of solid or stranded wire with knurled screw and lock nut
> With opening spring
> The mirror polish together with a fine film of oil offer effective rust protection – no circuit faults caused by peeling chrome from plated tools
> Special tool steel, forged, oil-hardened




**11 92 140**





| Article No. | EAN 4003773- | ↔ mm | | Head | Handles | Stripping capacities Ø mm | ⚖ g |
|---|---|---|---|---|---|---|---|
| **11 92 140** | 016908 | 140 | | mirror polished | with multi-component grips | 0.1 – 0.8 | 99 |


1.5
2.5
KNIPEX

# Diagonal Insulation Strippers

- With long cutter
- High cutting capacity due to high leverage joint

> Precision stripping holes for single conductors of 1.5 and 2.5 mm²
> Convenient cutting of NYM cables up to 5 x 2.5 mm²
> Long tips for ultra fine cutting work also in confined areas
> Induction-hardened precision blades, cutting edge hardness approx. 60 HRC
> Vanadium electric steel, forged, multi stage oil-hardened



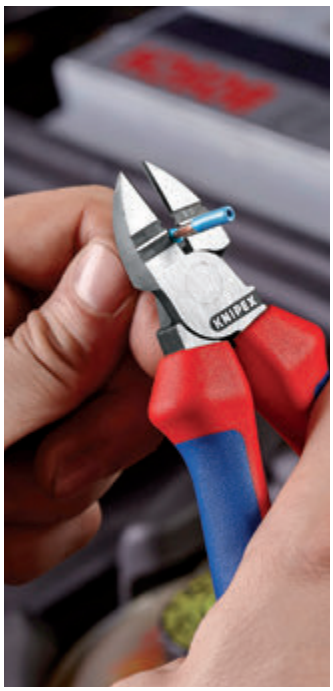

14 22 160




14 25 160




14 26 160











elongated cutting edge

improved transmission ratio

| Article No. | EAN 4003773- | ↔ mm | | Pliers | Head | Handles | Stripping capacities mm² | AWG | Cutting capacities ◔ Ø mm | Cutting capacities ◑ Ø mm | ⚖ g |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **14 22 160** | 034988 | 160 | | black atramentized | polished | with multi-component grips | 1.5 / 2.5 | 16 / 14 | 2.5 | 1.5 | 206 |
| **14 25 160** | 028697 | 160 | | chrome plated | chrome plated | with multi-component grips | 1.5 / 2.5 | 16 / 14 | 2.5 | 1.5 | 224 |
| **14 26 160** | 040279 | 160 | 1000 V | chrome plated | chrome plated | insulated with multi-component grips, VDE-tested | 1.5 / 2.5 | 16 / 14 | 2.5 | 1.5 | 216 |

# Precision Insulation Strippers

## with adapted blades

> Form-fit stripping also of difficult-to-remove insulating materials made of PTFE, silicone, Radox®, Kapton® and rubber; multi-layer too
> A second pair of blades holds the remaining insulation reliably in place
> Replaceable shaped blade adapted precisely to the respective conductor cross-section
> With length stop for constant stripping length during repetitive work
> Blade: special tool steel, oil-hardened
> Pliers body: steel



Precise cutting of the insulation to a complete extent



Positive stripping thanks to precise shape of the blades



12 12 02 with cable guide and length stop



**12 12 02**



**12 12 11**



**12 12 13**

**12 12 02**

> With additional cable guide for exact positioning of the cable in the stripping area of the blade

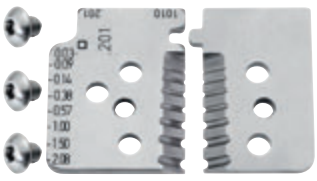
**12 12 11 / 12 12 12 for solar cable**

> Specially adapted to multilayer and Radox® insulation
> With additional cable support for a better centring of multi-layer insulated conductors in the stripping profiles

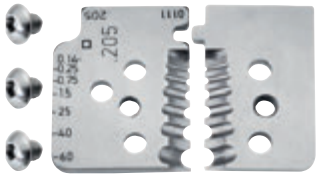
**12 12 13 / 12 12 14**

> Especially for cables in accordance with the American specification (AWG)

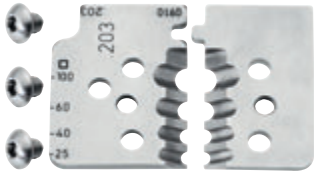
**Maximum cable cross-section (in mm²) per profile:**



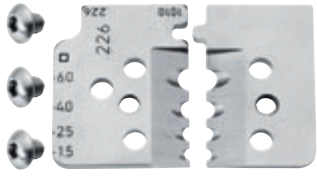
**12 19 02**



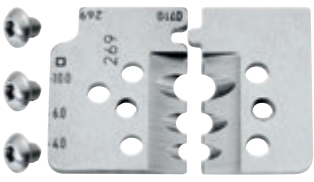
**12 19 06**



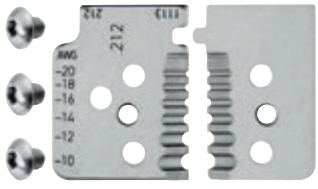
**12 19 10**



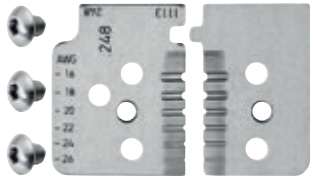
**12 19 11**



**12 19 12**



**12 19 13**



**12 19 14**

Radox® is a registered trademark of Huber & Suhner AG
Kapton® is a registered trademark of E. I. du Pont de Nemours and Company

**Principle of operation with adapted blades**
Properly and precise stripping with an annular cut through the complete insulation. This is particularly important with conductors, which must be stripped precisely.

This works without any problem even with difficult insulating materials made of PTFE, Radox® and multilayer insulations.



## Precisely and reliably

Two pairs of blades (1) cut the insulation to a complete extent. Then the blade pairs move apart, and thus the insulation is removed form-fit (2). The pliers open automatically after the stripping procedure.



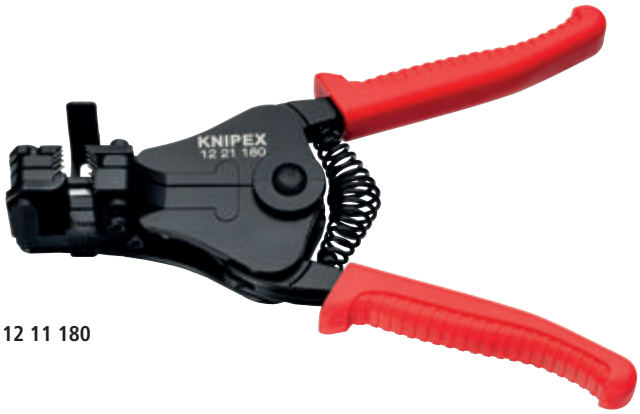

| Article No. | EAN 4003773- | ↔ mm | | Pliers | Handles | Stripping capacities mm² | AWG | ⚖ g |
|---|---|---|---|---|---|---|---|---|
| **12 12 02** | 048077 | 195 | | burnished | with multi-component grips | 0.03 - 0.09 / 0.14 / 0.38 / 0.57 / 1 / 1.5 / 2.08 | 32 – 14 | 447 |
| **12 12 06** | 049005 | 195 | | | | 0.14 - 0.25 / 0.75 / 1.5 / 2.5 / 4 / 6 | 26 – 10 | 445 |
| **12 12 10** | 049012 | 195 | | | | 2.5 / 4 / 6 / 10 | 14 – 8 | 445 |
| **12 12 11** | 062998 | 195 | | burnished | with multi-component grips | 1.5 / 2.5 / 4 / 6 | 16 – 10 | 449 |
| **12 12 12** | 073758 | 195 | | | | 4 / 6 / 10 | 12 – 8 | 450 |
| **12 12 13** | 077534 | 195 | | burnished | with multi-component grips | | 10 / 12 / 14 / 16 / 18 / 20 | 450 |
| **12 12 14** | 077541 | 195 | | | | | 16 / 18 / 20 / 22 / 24 / 26 | 450 |

| | | |
|---|---|---|
| **12 19 02** | 049036 | 1 set of spare blades for 12 12 02 |
| **12 19 06** | 049043 | 1 set of spare blades for 12 12 06 |
| **12 19 10** | 049050 | 1 set of spare blades for 12 12 10 |
| **12 19 11** | 063001 | 1 set of spare blades for 12 12 11 |
| **12 19 12** | 073765 | 1 set of spare blades for 12 12 12 |
| **12 19 13** | 077558 | 1 set of spare blades for 12 12 13 |
| **12 19 14** | 077565 | 1 set of spare blades for 12 12 14 |

# Insulation Strippers

## with adapted blades

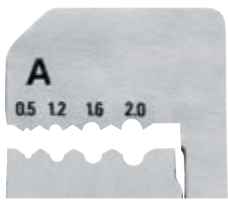
> With replaceable blades for 4 (adapted to diameters) or 6 (adapted to cross-sections) different conductor cross-sections
> Leave wire undamaged thanks to precision-ground blade shapes, even multi-stranded conductors are stripped gently
> During stripping, the wire is held firmly by clamping jaws
> With length stop for constant stripping length during repetitive work
> A spring leads the stripper back to the starting position
> Blade: special tool steel, oil-hardened
> Pliers body: aluminium



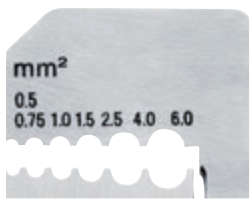

**12 11 180**






12 11 180: wire diameter in mm




12 21 180: wire cross-sections in mm²

| Article No. | EAN 4003773- | ↔ mm | | Pliers | Handles | Stripping capacities Ø mm | Stripping capacities mm² | AWG | ⚖ g |
|---|---|---|---|---|---|---|---|---|---|
| **12 11 180** | 000792 | 180 | | black lacquered | with plastic grips | 0.5 / 1.2 / 1.6 / 2.0 | | | 368 |
| **12 21 180** | 000815 | 180 | | | | | 0.5 – 0.75 / 1 / 1.5 / 2.5 / 4 / 6 | 20 – 18 / 18 / 16 / 14 / 12 / 10 | 335 |

| | | |
|---|---|---|
| **12 19 180** | 022145 | 1 pair of spare blades for 12 11 180 |
| **12 29 180** | 022152 | 1 pair of spare blades for 12 21 180 |

# KNIPEX MultiStrip 10

PATENTED

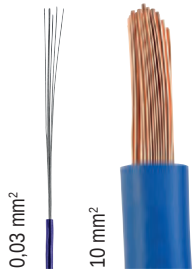
## Automatic Insulation Stripper

- Stripping without re-adjustment from 0.03 to 10.0 mm²
- Recessed wire cutter
- Universal blade geometry -robust and more durable
- Ideal grip design with excellent haptics




**12 42 195**

> Fully automatic adjustment to all single-, multi- and fine-stranded conductors with standard insulation throughout the entire capacity range from 0.03 to 10.0 mm²
> No manual fine adjustment necessary
> No damage to the conductors
> The clamping jaws made of steel hold the cable in a way that prevents slipping without damaging the remaining insulation
> With recessed wire cutter for Cu and Al conductors, stranded up to 10 mm² and single wire up to 6 mm²
> Particularly smooth-running mechanics and very low weight
> Replaceable blades block and length stop
> Handle with soft-plastic zone for a steady grip
> Body: plastic, fibreglass-reinforced
> Blade: special tool steel, oil-hardened






Steel clamping jaws avoid slipping of the cable



Precise stripping from 0.03 to 10 mm² without re-adjustment

## Patented mechanics

The incision depth of the stripping blade adjusts fully automatically to the diameter of the wire and accordingly also to the thickness of all standard insulating materials.

There is no need for any manual adjustment which is still necessary when other conventional pliers with a wide wire-stripping range are used.



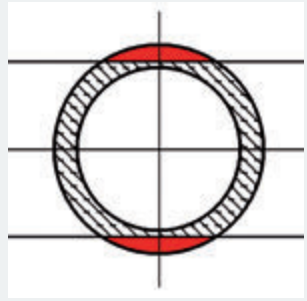

Wire cutter for multiple stranded wire cables up to 10.0 mm²



**Mode of operation of straight cutters**

An incision is made in the red area only.

Not suitable for highly-flexible or armoured insulation materials or for multi-layered insulation.



| Article No. | EAN 4003773- | ↔ mm | | Stripping capacities mm² | AWG | ⚖ g |
|---|---|---|---|---|---|---|
| **12 42 195** | 054580 | 195 | ⋀⋀ | 0.03 – 10 | 32 – 8 | 136 |

| | | |
|---|---|---|
| **12 49 04** | 053071 | Torsion spring for 12 40/50 200 |
| **12 49 21** | 057581 | Spare blades block for 12 42 195 |
| **12 49 23** | 057604 | Spare length stop for 12 42 / 52 195 |

# Self-Adjusting Insulation Strippers

> For single, multiple and fine stranded conductors with plastic or rubber insulation
> Adapts automatically to the respective cable cross-section; prevents damage to the conductor
> Cutting depth can be adjusted for different insulation materials
> With wire cutter for copper and aluminium wires, multiple stranded up to 10 mm² and single stranded up to 6 mm²
> Smoothly operating mechanism
> Stripping blades and clamping jaws easily replaceable
> Low weight
> Body: plastic, fibreglass-reinforced
> Blade: special tool steel, oil-hardened

**12 40 200**
> For thin ribbon cables up to 10.0 mm width in a single pass




**12 40 200**






12 40 200: Adjustable length stop



12 40 200: Precise stripping prevents damage to the conductor




| Article No. | EAN 4003773- | ↔ mm | | Stripping capacities mm² | AWG | Length stop mm | ⚖ g |
|---|---|---|---|---|---|---|---|
| **12 40 200** | 026662 | 200 | ⩘ | 0.03 – 10 | 32 – 8 | 3.0 – 18.0 | 202 |

| | | |
|---|---|---|
| **12 49 01** | 026679 | 1 pair of spare blades for 12 40 200 |
| **12 49 02** | 026686 | 1 pair of spare clamping jaws for 12 40 200 |
| **12 49 03** | 026693 | Spare length stop for 12 40 200 |
| **12 49 04** | 053071 | Torsion spring for 12 40/50 200 |
| **12 49 05** | 053088 | Coil spring in the head for 12 40/50 200 |
| **12 59 01** | 034414 | 1 pair of spare blades for 12 50 200 |
| **12 59 02** | 034421 | 1 pair of spare clamping jaws for 12 50 200 |

# KNIPEX PreciStrip16

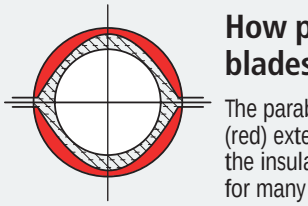
## Properly stripped away: with deft precision, strip everything from very fine to thick cables with stranded or solid conductors

- Simple, precise stripping of fine wires and solid round cables with a wide capacity range from 0.08 to 16 mm² with only one pair of pliers
- Good grip provided by semi-circular grooved metal holding clamps and exact cut from parabolic stripping blade
- A patented automatism regulates the depth of the cut; the neutral point of the automatism can be adjusted in fine steps in special operating conditions (insulation material, temperature)



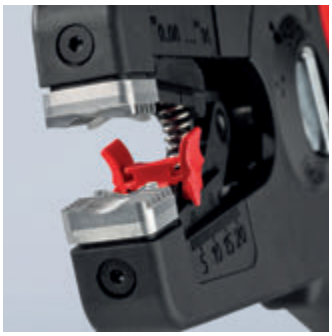

12 52 195

> With cable cutter for stranded wire from 0.08 to 16 mm²
> With tether attachment point, suitable for KNIPEX Tethered Tools accessories
> Inscription area for customisation
> With adjustable length stop for precision work repeated accurately each time
> Comfortable operation with ergonomic dual-component handle
> Easily replaceable blade cassette



### How parabolic blades work

The parabolic bulging blade pair (red) extensively encloses and cuts the insulation and is thus suitable for many flexible materials



Semi-circular grooved holding clamp for better grip that holds practically any insulation material securely in place



For special requirements, such as particularly hard or soft insulation materials, optimum fine adjustments can be made using the adjusting wheel with its tactile locking positions




With cable cutter on the top side for up to 16 mm²

| Article No. | EAN 4003773- | ↔ mm | mm² | AWG | g |
|---|---|---|---|---|---|
| **12 52 195** | 085829 | 195 | 0.08 – 16 | 28 – 6 | 180 |
| **12 52 195 SB** | 085997 | 195 | 0.08 – 16 | 28 – 6 | 180 |
| **12 49 31** | 086000 | Spare blade pair for 12 52 195 | | | 10 |

# KNIPEX NexStrip®

## Multi-Tool for Electricians

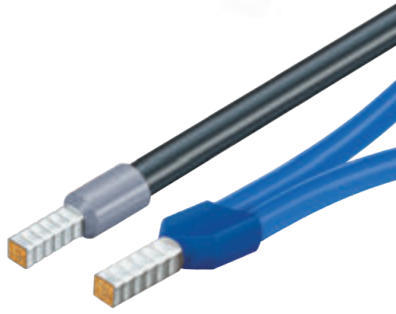
### Wire stripper with three functions: stripping wire up to 10 mm², crimping capacity of 4 mm² or 2 x 2.5 mm² and cutting capacity of 10 mm²

- Precise stripping: automatically adapts to the respective cable diameter and ensures consistent stripping lengths with the adjustable length stop especially with repetitive work
- Perfect crimping: fast and even square crimping for individual wire ferrules, the ratchet crimping mechanism guarantees the required crimping pressure
- Multi-component grips ensure non-slip, comfortable handling

> Quick, precise square crimp of single wire ferrules according to DIN 46228 parts 1+4, self-adjusts for sizes 0.25 – 4 mm² / 2 x 2.5 mm² – allows for quick crimping between different sizes
> Repetitive, high crimping quality due to ratcheting mechanism with a complete crimping cycle
> Stripping with fine adjustment – for optimal adjustment to special materials or temperature conditions for flexible and solid conductors between 0.03 and 10 mm² (AWG 32 – 8)
> Cleanly cuts conductors up to 10 mm² (AWG 8)
> High-quality housing made of glass fibre reinforced plastic
> For the electrical trade: for domestic installations and wiring of electronical devices, such as PLC (programmable logic controller)

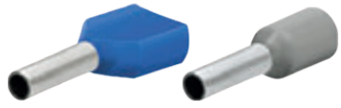



12 72 190





The ratchet crimping mechanism ensures the correct crimping pressure.



2 x 2,5 mm² 4 mm²



2,5 mm² 0,5 mm² 0,25 mm²



With cable cutter for conductors up to 10 mm².



Automatic stripping up to 10 mm².



Square crimping die for wire ferrules of 0.25 – 4 mm².



The fine adjustment feature allows reliable stripping in all operating conditions like extreme temperatures or special insulating material.

| Article no. | EAN 4003773- | ↔ mm | Handles | Application | Capacity mm² | AWG | ⚖ g |
|---|---|---|---|---|---|---|---|
| **12 72 190** | 088165 | 190 | non-slip | Cutting | Cutting up to 10 | 8 | 170 |
| | | | | Stripping | Stripping from 0.03 to 10 | 32 – 8 | |
| | | | | Square compression | Crimping of single wire ferrules from 0.25 to 4<br>Crimping of twin wire ferrules 2 x 2,5 | | |

| | | | |
|---|---|---|---|
| **12 49 21** | 057581 | Spare blades block for 12 72 190 | 8 |
| **12 49 23** | 057604 | Spare length stop for 12 72 190 | 46 |

# Automatic Insulation Stripper

## Work faster: Adjusts automatically to most cable types, with fine adjustment for special materials

- Strips cables with standard materials without any need for manual adjustment
- Fine adjustment enables accurate setting of the blades to special materials or temperature requirements
- Compact, handy and lightweight tool for common cable cross-sections and insulating materials

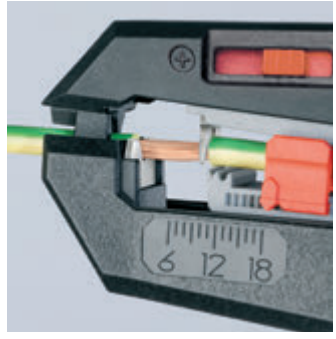
> For single, multiple and fine stranded cables of 0.2 up to 6 mm² with standard insulation
> Narrow head style for use in confined areas
> With wire cutter for copper and aluminium wires up to 2.5 mm²
> With adjustable length stop from 6.0 – 18.0 mm for cutting the same stripping lengths during repetitive work
> Body: plastic, fibreglass-reinforced
> Blades: special tool steel, oil-hardened, interchangeable




12 62 180









| Article No. | EAN 4003773- | ↔ mm | | Stripping capacities mm² | AWG | ⚖ g |
|---|---|---|---|---|---|---|
| **12 62 180** | 054573 | 180 | | 0.2 – 6 | 24 – 10 | 151 |

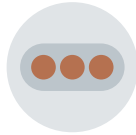
| | | |
|---|---|---|
| **12 69 21** | 060093 | 1 pair of spare blades for 12 62 180 |
| **12 69 23** | 067115 | Spare length stop for 12 62 180 |

# Automatic Insulation Stripper for flat cable

> For PVC insulated flat cables up to a max. 12 mm width and 0.75 to 2.5 mm²
> Adapts automatically to various conductor heights; prevents damage to the conductor
> Long stripping lengths possible
> Blade replaceable
> Smoothly operating mechanism
> Low weight
> Body: plastic, fibreglass-reinforced
> Blade: special tool steel, oil-hardened




**12 64 180**



Sectional view of an ribbon cable

| Article No. | EAN 4003773- | ↔ mm | | Stripping capacities mm² | AWG | ⚖ g |
|---|---|---|---|---|---|---|
| **12 64 180** | 073284 | 180 | ⋀⋀ | 0.75 – 2.5 | 18 – 14 | 125 |
| **12 69 31** | 073932 | 1 pair of spare blades for 12 64 180 | | | | |

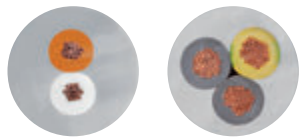
# Automatic Stripping Pliers

- For control and sensor cables / actuator cables, also for stripping flexible feed cables and extension cable
- Automatic adjustment to cable diameters between 4.4 mm and 7.5 mm
- No damage to the inner conductor or shield braid

> For oil-resistant, halogen-free control and sensor / actuator cables with multicore cable design
> Shielded and unshielded
> Suitable for highly flexible TPE-U-pipes, PUR and PVC cable sheathing, rubber leads such as H05 etc.
> Long stripping lengths possible
> Body: plastic, fibreglass-reinforced
> Blades: special tool steel, oil-hardened, interchangeable




**12 74 180 SB**



Sectional view of an extension cord




Complex cutter design for precise and damage-free stripping of round cables




Required stripping length easy to read off

| Article No. | EAN 4003773- | ↔ mm | | Stripping capacities Ø mm | ⚖ g |
|---|---|---|---|---|---|
| **12 74 180 SB** | 082323 | 175 | ⋀⋀ | 4.4 – 7.5 | 145 |
| **12 79 31** | 082682 | 1 pair of spare blades for 12 74 180 SB | | | |

# Mini Wire Stripper

> Precise stripping, stepwise adjustment to the conductor diameters
> With wire cutter
> Adjustable length stop from 4.0 - 15.0 mm
> With locking device
> Housing: plastic, impact-proof

**12 80 040 SB**
> For thin copper conductors dia. 0.12 to 0.4 mm

**12 80 100 SB**
> For thin copper conductors dia. 0.3 to 1.0 mm




**12 80 100 SB**





| Article No. | EAN 4003773- | ↔ mm | | Stripping capacities Ø mm | AWG | ⚖ g |
|---|---|---|---|---|---|---|
| **12 80 040 SB** | 071655 | 100 | ⋀⋀⋀ | 0.12 – 0.4 | 36 – 26 | 35 |
| **12 80 100 SB** | 043119 | 100 | | 0.3 – 1.0 | 28 – 18 | 34 |

# Wire Stripper for fibre optics

> To remove primary and secondary coating of fibre optics
> Chrome vanadium electric steel in special quality, oil-hardened



**12 82 130 SB**

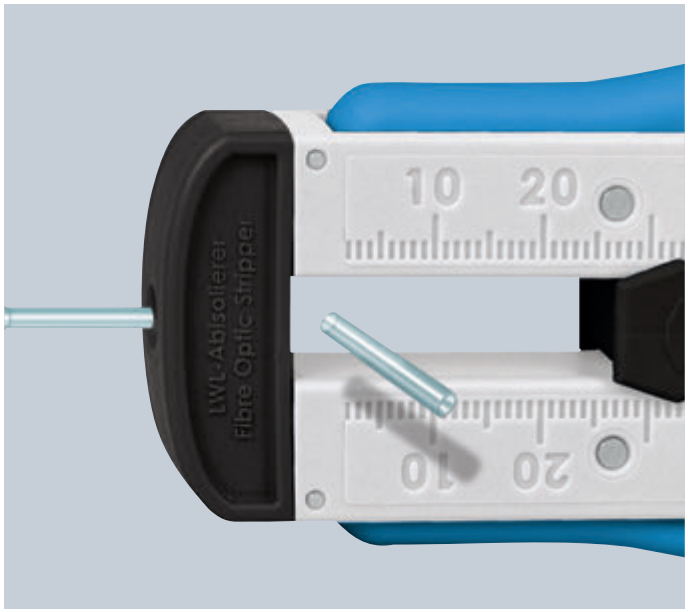


| Article No. | EAN 4003773- | ↔ mm | Pliers | Handles | Stripping capacities Ø mm | ⚖ g |
|---|---|---|---|---|---|---|
| **12 82 130 SB** | 050094 | 130 | burnished | with plastic grips | primary-coating: 0.125 mm; secondary-coating: 0.250 mm | 75 |

# Stripping tool for fibre optics cable

> To remove primary coating of fibre optics with Ø 0.125 mm
> Blade Ø 0.16 mm, hole for cable feed Ø 0.35 mm
> Adjustable length stop for 5 – 45 mm



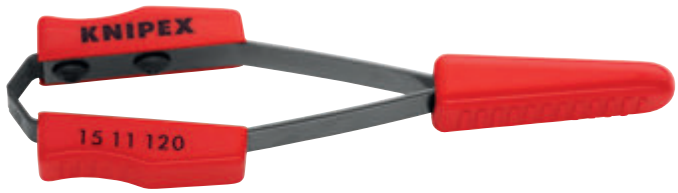




**Replaces article 12 85 100**

| Article no. | EAN 4003773- | ↔ mm | Stripping capacities Ø mm | ⚖ g | € |
|---|---|---|---|---|---|
| **12 85 110 SB** | 287872 | 110 | 0.125 | 70 | 56.00 |

# Stripping Tweezers for coated wire

> For stripping off varnished insulation on copper wires
> Blades for other wire diameters available as spare parts
> Tweezers body: spring steel, oil-hardened
> Handle shells: plastic




**15 11 120**



| Article No. | EAN 4003773- | ↔ mm | Stripping capacities Ø mm | ⚖ g |
|---|---|---|---|---|
| **15 11 120** | 015550 | 120 | 0.6 | 34 |

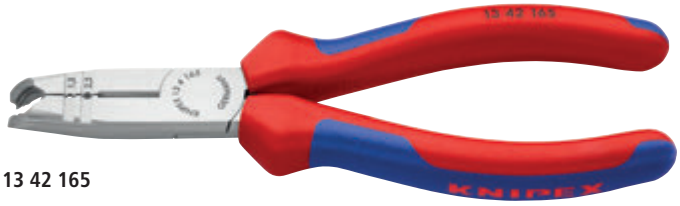
| | | |
|---|---|---|
| **15 19 005** | 021551 | 1 pair of spare blades for 15 11 120 Ø 0.5 mm |
| **15 19 006** | 021568 | 1 pair of spare blades for 15 11 120 Ø 0,6 mm |
| **15 19 008** | 021575 | 1 pair of spare blades for 15 11 120 Ø 0,8 mm |
| **15 19 010** | 021582 | 1 pair of spare blades for 15 11 120 Ø 1,0 mm |

# Stripping Pliers

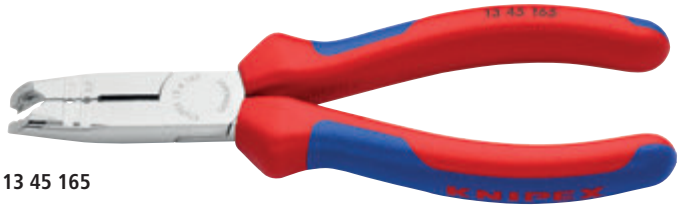
## Multifunctional – cutting and stripping with one pair of pliers

- For time-saving stripping of all round sheathed and damp-proof installation cables (e.g. NYM cable)
- Simplified access especially into deep mounted junction boxes thanks to slim head design and optimally angled cable sheath cutter
- Strip cables easily and without damage thanks to circular cutting edge with depth limiter

> Suitable for universal use: precision wire stripping holes for conductors from 1.5 and 2.5 mm²
> With side 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 electric steel, forged, multi stage oil-hardened




13 42 165



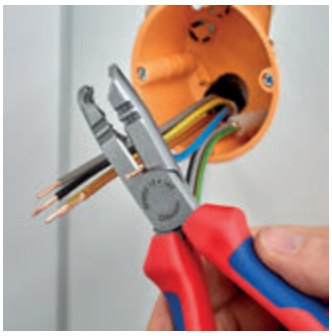

13 45 165



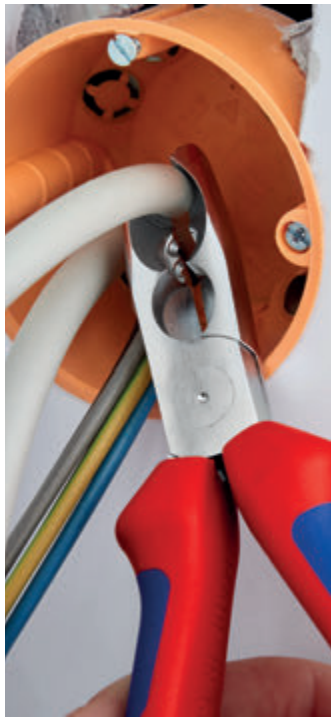

13 46 165



Cutting cable up to Ø 13 mm



Cutting when shortening single conductors



Stripping deep down in a flush-mounted junction box




Wire stripping holes for 1.5 and 2.5 mm² conductors

| Article No. | EAN 4003773- | ↔ mm | | Pliers | Head | Handles | Dismantling capacities Ø mm | Stripping capacities mm² | ◑ Ø mm | ◕ Ø mm | ⚖ g |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **13 42 165** | 079675 | 165 | | black atramentized | polished | with multi-component grips | 8.0 – 13.0 | 0.75 – 1.5 / 2.5 | 3.2 | 2.2 | 176 |
| **13 45 165** | 079682 | 165 | | chrome plated | chrome plated | with multi-component grips | 8.0 – 13.0 | 0.75 – 1.5 / 2.5 | 3.2 | 2.2 | 176 |
| **13 46 165** | 079699 | 165 | 1000 V | chrome plated | chrome plated | insulated with multi-component grips, VDE-tested | 8.0 – 13.0 | 0.75 – 1.5 / 2.5 | 3.2 | 2.2 | 190 |

# KNIPEX StriX®

PATENTED

## Insulation strippers with cable shears

## Two functions in one pair of pliers

> For single, multiple and fine stranded conductors with plastic or rubber insulation up to 5.0 mm dia. or 10 mm² cable cross-section
> Increments in the jaw provide a visual orientation aid for stripping consistent lengths (11 mm and 16 mm)
> Easy adjustment to the required diameter of solid or stranded wire with knurled screw and lock nut
> Shear blade for cutting copper and aluminium cable up to Ø 15 mm (5 x 2.5 mm²)
> Cutting edges additionally induction-hardened, cutting edge hardness approx. 57 HRC
> Slim dimensions for easy access
> Bolted joint: precise, zero backlash operation of pliers
> High-grade special tool steel, forged, multi stage oil-hardened

**13 66 180 T***
> Pliers with tether attachment point for mounting a fall protection



**13 62 180**



**13 66 180**



**13 66 180 T**



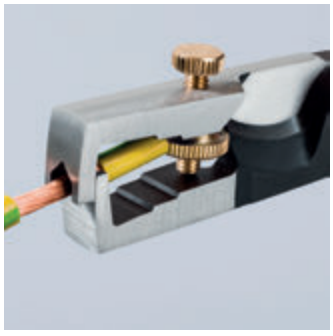
Induction-hardened precision cutter



Length mark: Profiling on the inner side helps when stripping wire in standard lengths (11 mm and 16 mm)



Induction-hardened shear blade with precisely ground cutting edges for crush-free cutting of copper and aluminium cables of up to Ø 15 mm (5 x 2.5 mm²)



Lock nut prevents any unintentional adjustment



| Article No. | EAN 4003773- | ↔ mm | | Pliers | Handles | Stripping capacities Ø mm | mm² | AWG | ⚖ g |
|---|---|---|---|---|---|---|---|---|---|
| **13 62 180** | 081302 | 180 | | black atramentized | with multi-component grips | 5.0 | 10 | 8 | 200 |
| **13 66 180** | 081319 | 180 | 1000 V | chrome plated | insulated with multi-component grips, VDE-tested | 5.0 | 10 | 8 | 215 |
| **13 66 180 T** | 081906 | 180 | 1000 V | chrome plated | insulated with multi-component grips with integrated insulated tether attachment point, VDE tested | 5.0 | 10 | 8 | 215 |

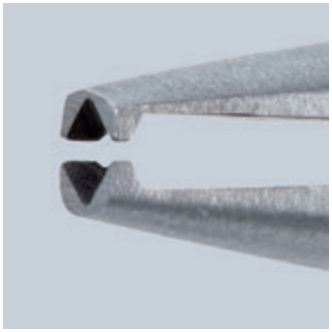
*Other tools with tethering can be found from page 272

# Insulation Strippers

> For stripping thin cables
> Accurate boring to match diameter of wire, precise stripping prism; non-adjustable
> With opening spring
> Chrome vanadium electric steel, forged, oil-hardened




**15 61 160**



| Article No. | EAN 4003773- | ↔ mm | | Head | Handles | Stripping capacities Ø mm | ⚖ g |
|---|---|---|---|---|---|---|---|
| **15 51 160** | 044451 | 160 | | | | 0.5 | 101 |
| **15 61 160** | 014843 | 160 | ⋀⋀ | polished | plastic coated | 0.6 | 102 |
| **15 81 160** | 015574 | 160 | | | | 0.8 | 102 |

# Stripping Tools

## with scalpel blade

> For stripping all common round cables
> Self-tightening holding lever
> With adjusting screw for cutting depth adjustment
> Turnable blade for circular and longitudinal cutting
> Spare blade inside the handle
> Secure grip due to soft component material on handle and holding lever to avoid slipping
> Housing: plastic, impact-proof




**16 20 16 SB**




**16 20 165 SB**

**16 20 165 SB**
> With knife and hook blade, protective cap included







| Article No. | EAN 4003773- | ↔ mm | | Stripping capacities Ø mm | ⚖ g |
|---|---|---|---|---|---|
| **16 20 16 SB** | 060451 | 130 | ⋀⋀ | 4 – 16 | 70 |
| **16 20 28 SB** | 060468 | 130 | | 8 – 28 | 95 |
| **16 20 165 SB** | 043133 | 165 | ⋀⋀ | 8 – 28 | 85 |

| | | |
|---|---|---|
| **16 29 165** | 043140 | Spare blade for 16 20 16 SB / 16 20 28 SB / 16 20 165 SB |

# Folding Knife for Electricians

## Always to hand: the high-quality all-purpose cutter

- Universal folding cutter for everyday use
- Durable and robust: top quality, extremely sharp blade – Made in Solingen




**16 20 50 SB**

> Ergonomic handle shape for comfortable holding and easy guidance
> Handle made from robust, shock-resistant plastic
> Good power transmission during use
> Stable blade
> Tether attachment at the end of the cutter allows a fastener to be attached; also suitable for KNIPEX Tethered Tools
> Blade made of stainless steel

| Article No. | EAN 4003773- | ↔ mm | Blade length mm | ⚖ g |
|---|---|---|---|---|
| **16 20 50 SB** | 082705 | 120 | 80 | 85 |



Easy opening thanks to the practical diamond-shaped grip on the blade



For KNIPEX Tethered Tools: the tether attachment on the handle allows a fastener to be attached



The Electricians' Folding Cutter is quickly available to hand and is suitable for all the usual cutting tasks

# Stripping Tools

## for spiral cutting

> For dismantling round cable sheaths made of PVC, rubber, silicone or PTFE from 6.0 - 29.0 mm dia.
> Self-tightening holding lever
> With knurled nut for cutting depth adjustment
> Changing from circular to longitudinal cutting by turning the tool body
> Spiral cutting for removing intermediate pieces
> Replaceable blade
> Housing: plastic, impact-proof




**16 30 145 SB**



Setting the tool for circular cut



Longitudinal cut




Spiral cutting

| Article No. | EAN 4003773- | ↔ mm | | Stripping capacities Ø mm | ⚖ g |
|---|---|---|---|---|---|
| **16 30 135 SB** | 033349 | 135 | ⋀⋀⋀ | 6 – 29 | 120 |
| **16 30 145 SB** | 081029 | 150 | | 19 – 40 | 140 |

| | | |
|---|---|---|
| **16 39 135** | 027317 | Spare blade for 16 30 135 SB / 16 30 145 SB |

# Stripping Tools

> For dismantling round cables exceeding 25.0 mm dia.
> Removes all sheaths of standard cables
> Suitable for longitudinal and circular cutting
> Cutting depth can be adjusted up to 5.0 mm
> Replaceable blade (both sides can be used)
> Tool body: plastic, fibreglass-reinforced




**16 40 150**



Setting the tool for longitudinal cut



Longitudinal cut



Turning the tool for circumferential cut



Circular cut

| Article No. | EAN 4003773- | ↔ mm | Stripping capacities Ø mm | ⚖ g |
|---|---|---|---|---|
| **16 40 150** | 026709 | 150 | > 25 | 210 |
| **16 49 150** | 026716 | Spare blade for 16 40 150 | | |



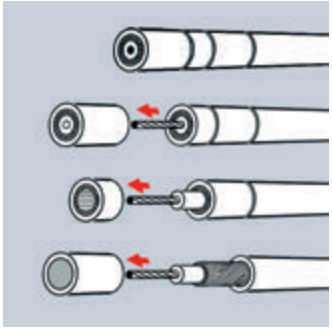
Adjustable cutting depth

# Stripping Tool for coax cables

> For stripping coax cables (RG 58, RG 59 and RG 62)
> For stripping outer sheath, shield and insulation in a single process
> With three built-in blades
> The cutting depth of each blade can be adjusted individually by means of a hexagonal key (Allen key)
> The blade spacing remains constant
> Housing: plastic, impact-proof




**16 60 05 SB**



Stripping of a Coax cable in three steps

| Article No. | EAN 4003773- | ↔ mm | | Cable type | ⚖ g |
|---|---|---|---|---|---|
| **16 60 05 SB** | 044888 | 105 | ⩙ | RG 58, RG 59 + RG 62 | 75 |

# Wire Stripping Tool for coax and data cable

> Universal stripping tool for Coax cables RG 59, RG 6, RG 7, RG 11
> For stripping outer sheath, shield and insulation in a single process
> Adjustable stripping blade for data cable
> Two stripping blades for cutting and stripping telephone ribbon cable (4P/6P/8P) in a single operation
> Integrated blade for cutting data cables
> Housing: plastic, impact-proof




**16 60 06 SB**





| Article No. | EAN 4003773- | ↔ mm | | Cable type | ⚖ g |
|---|---|---|---|---|---|
| **16 60 06 SB** | 077961 | 125 | | RG 59, RG 6, RG 7, RG 11 | 100 |

# Stripping Tool for coax cables

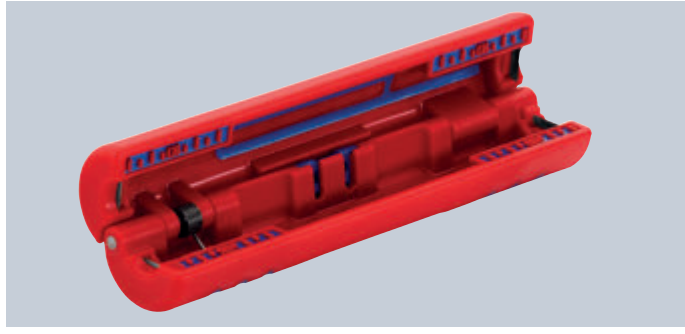
> For stripping all common coax cables between 4.8 - 7.5 mm dia. (e.g. for TV- and satellite antenna), also suitable for PVC round cable 3 x 0.75 mm²
> With length scale 5.0 - 20.0 mm
> Double shell, folding back stripping tool
> With opening spring and locking device
> Body: plastic, fibreglass-reinforced




**16 60 100 SB**







| Article No. | EAN 4003773- | ↔ mm | Stripping capacities Ø mm | ⚖ g |
|---|---|---|---|---|
| **16 60 100 SB** | 040811 | 100 | Coax cables 4.8 – 7.5 round cables 3 x 0.75 mm² | 22 |

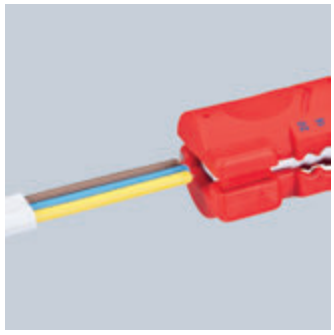
# Stripping Tool for flat and round cables

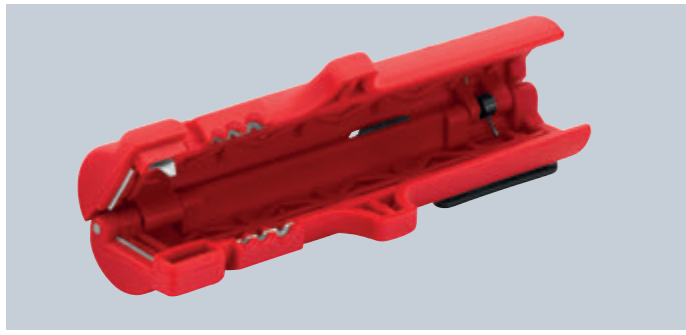
> For flat cables up to 12 mm in width
> For stripping all common round and damp-proof installation cables Ø 4.0 to 13.0 mm (e.g. NYM cable 3 x 1.5 mm² up to 5 x 2.5 mm²)
> Stripping device for cross-sections 0.8 / 1.5 / 2.5 mm² (AWG 20 / 16 / 14)
> With opening spring and locking device
> For use in confined and difficult to access work areas
> Also for use in conduit and distribution boxes
> Body: plastic, fibreglass-reinforced



**16 64 125 SB**







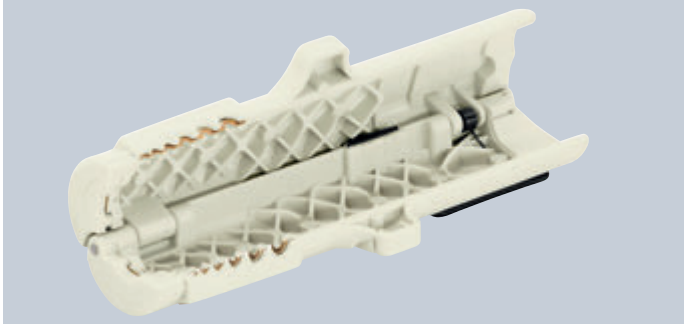
| Article No. | EAN 4003773- | ↔ mm | | Stripping capacities Ø mm | Stripping capacities mm² | Types of cables | ⚖ g |
|---|---|---|---|---|---|---|---|
| **16 64 125 SB** | 076933 | 125 | | 4 – 13 | 0.8 – 2.5 | flat cable 12 mm / round cable Ø 4 – 13 mm | 48 |

# Stripping Tool for data cables

> For stripping UTP and STP data cables with diameters of 4.5 to 10.0 mm
> Stripping device for cross-sections 0.2 / 0.3 / 0.8 / 1.5 / 2.5 / 4 mm²
> Double shell, folding back stripping tool
> With opening spring and locking device
> Practical clip for easy transport
> Body: plastic, fibreglass-reinforced
> Blades: special tool steel, oil-hardened, TiN-coated



**16 65 125 SB**





| Article No. | EAN 4003773- | ↔ mm | | Stripping capacities Ø mm | Stripping capacities mm² | Types of cables | ⚖ g |
|---|---|---|---|---|---|---|---|
| **16 65 125 SB** | 043157 | 125 | | 4.5 – 10 | 0.2 – 4 | CAT 5, CAT 6, CAT 7, Twisted-Pair (UTP/STP) | 50 |

# Universal Stripping Tools

> For stripping all common round and damp-proof installation cables between 8.0 – 13.0 mm dia. (e.g. 3 x 1.5 mm² up to 5 x 2.5 mm²)
> Also for use in conduit and distribution boxes
> Double shell, folding back stripping tool
> With opening spring and locking device
> Practical clip for easy transport
> Body: plastic, fibreglass-reinforced

**16 85 125 SB**
> With additional blade for longitudinal cuts; telescopic blade inside; stripping device for cross-sections 0.2 / 0.3 / 0.8 / 1.5 / 2.5 / 4 mm²; with integrated cable guide for longitudinal cut.This enables rigid insulation (e.g. halogen-free) to be stripped more easily



**16 80 125 SB**



**16 85 125 SB**





| Article No. | EAN 4003773- | ↔ mm | | Stripping capacities Ø mm | Stripping capacities mm² | Types of cables | ⚖ g |
|---|---|---|---|---|---|---|---|
| **16 80 125 SB** | 040828 | 125 | | 8 – 13 | | round cable, e.g.: 3 x 1,5 mm² up to 5 x 2,5 mm² | 75 |
| **16 85 125 SB** | 060444 | 125 | | 8 – 13 | 0.2 – 4 | round cable, e.g.: 3 x 1,5 mm² up to 5 x 2,5 mm² | 79 |

# Depth Stripping Tool

> Long, ergonomic design for work in deep connector sockets







**16 80 175 SB**

| Article No. | EAN 4003773- | ↔ mm | Stripping capacities Ø mm | ⚖ g |
|---|---|---|---|---|
| **16 80 175 SB** | 084129 | 175 | 8 – 13 | 90 |

# Universal Stripping Tool for building and industrial cables

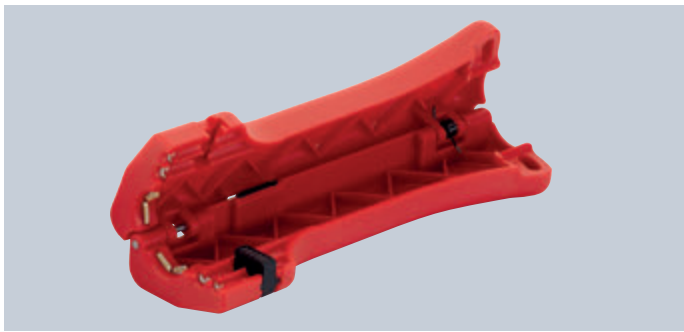
> With opening spring and locking device
> For stripping all common round and damp-proof installation cables between 8.0 – 13.0 mm dia. (e.g. 3 x 1.5 mm² up to 5 x 2.5 mm²)
> Also for use in conduit and distribution boxes
> Body: plastic, fibreglass-reinforced
> For use in confined and difficult to access work areas
> Specially suitable for larger cross-sections and for difficult insulating materials
> No adjustment of blades to cutting depth required
> Stripping device for conductors and strands 1.5 mm² and 2.5 mm²
> Two-way length stop (ideal for right and left-handers)
> Fastening device on the end of the handle (drop protection system)




**16 90 130 SB**







| Article No. | EAN 4003773- | ↔ mm | | Stripping capacities Ø mm | mm² | Types of cables | ⚖ g |
|---|---|---|---|---|---|---|---|
| **16 90 130 SB** | 076940 | 130 | | 8 – 13 | 1.5 / 2.5 | round cable, e.g.: 3 x 1,5 mm² up to 5 x 2,5 mm² | 47 |



# KNIPEX ErgoStrip®

PATENTED

## Universal Stripping Tool

- For the fast and precise stripping of all common round and damp-proof installation cables (e.g. NYM cable 3 x 1.5 mm² up to 5 x 2,5 mm²), data cable (e.g. twisted pair) and coax cable
- Innovative, ergonomic pistol grip design for easy cutting, stripping and longitudinal cut of the sheath

> Conical, slimmed down tool ends for better access in confined areas
> Stripping device for cross-sections 0.2 / 0.3 / 0.8 / 1.5 / 2.5 / 4 mm²
> Simplified insertion of single wires for stripping using location ridges
> With opening spring and locking device
> Easy insertion of coax and data cable thanks to opening aid
> Multi-component design with a soft plastic zone for comfortable use and a secure grip
> Housing made from stable glass fibre reinforced plastic

**16 95 02 SB**
> For left-handers




**16 95 01 SB**

GERMAN DESIGN AWARD WINNER 2017




**16 95 02 SB**

For left-handers



Stripping of a coax cable



Stripping of a NYM cable



Stripping of a data cable



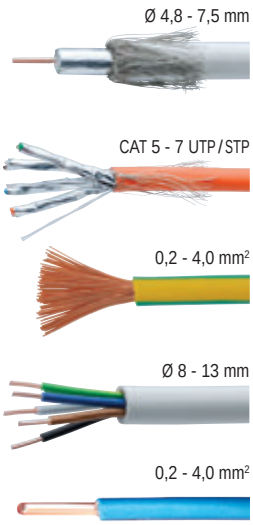
Stripping of a coax cable



Wire stripping on single conductors

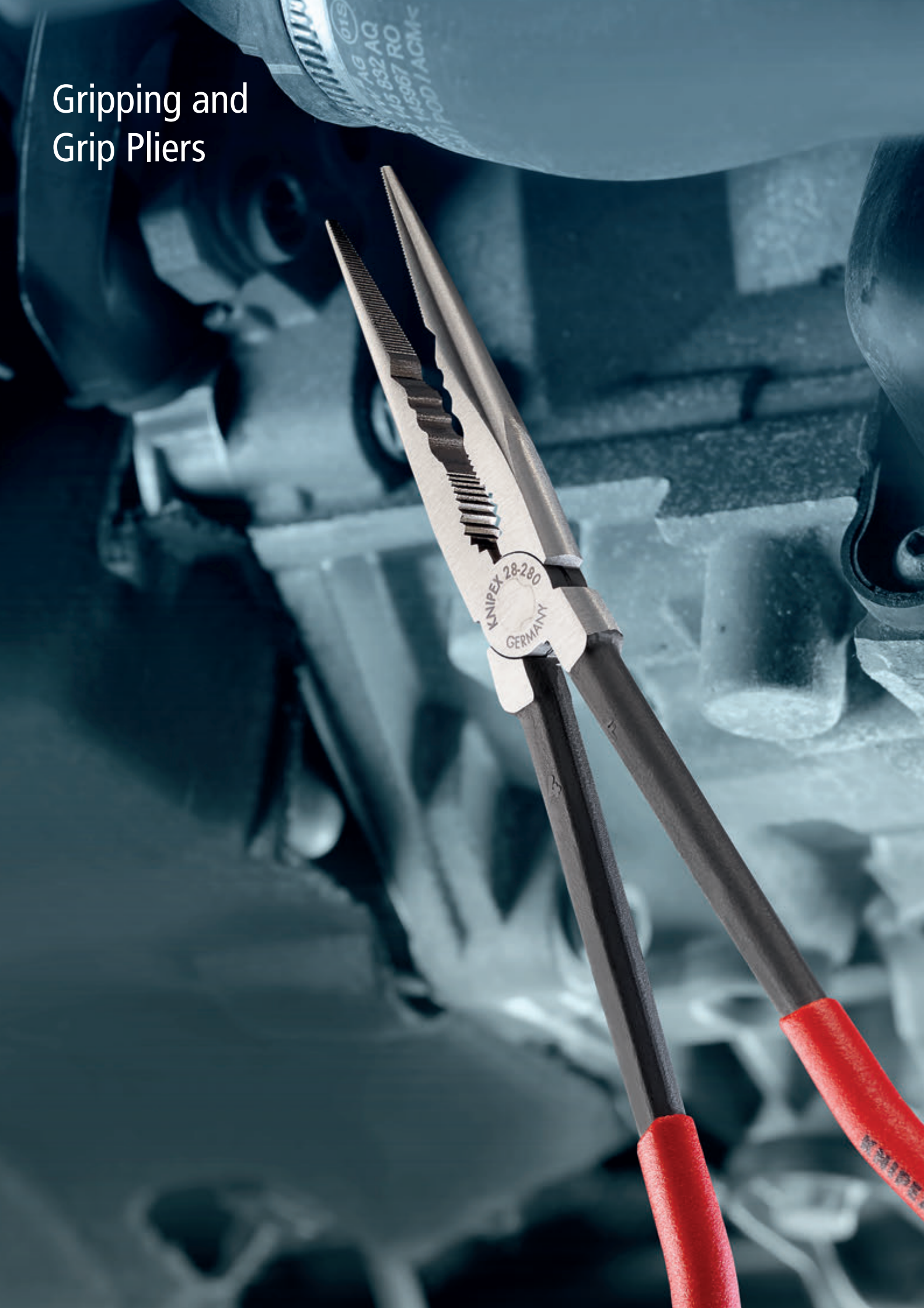


With concealed cutter in overhanging thumb rest on the side for convenient lengthwise cut




| Article No. | EAN 4003773- | ↔ mm | | Stripping capacities: round cable Ø mm | conductors and strands mm² | data cable | coax cable Ø mm | ⚖ g |
|---|---|---|---|---|---|---|---|---|
| **16 95 01 SB** | 079927 | 135 | | 8 – 13 | 0.2 – 4 | CAT 5 – 7, Twisted pair (UTP/STP) | 4.8 – 7.5 | 75 |
| **16 95 02 SB** | 082910 | 135 | | 8 – 13 | 0.2 – 4 | CAT 5 – 7, Twisted pair (UTP/STP) | 4.8 – 7.5 | 75 |

# Gripping and Grip Pliers



| | |
|---|---|
| Flat Nose Pliers | 44 |
| Round Nose Pliers | 45 |
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| Relay Adjusting Pliers | 49 |
| Duckbill Pliers | 49 |
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| Mechanics‘ Pliers | 51 |
| Universal Grip Pliers | 52 |
| Welding Grip Pliers | 52 |
| Grip Pliers | 53 |

# Flat Nose Pliers

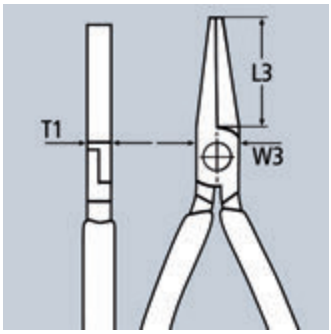
> Flat, short, wide jaws
> Knurled gripping surfaces
> Special tool steel, forged, oil-hardened
> DIN ISO 5745



20 01 160




20 02 160

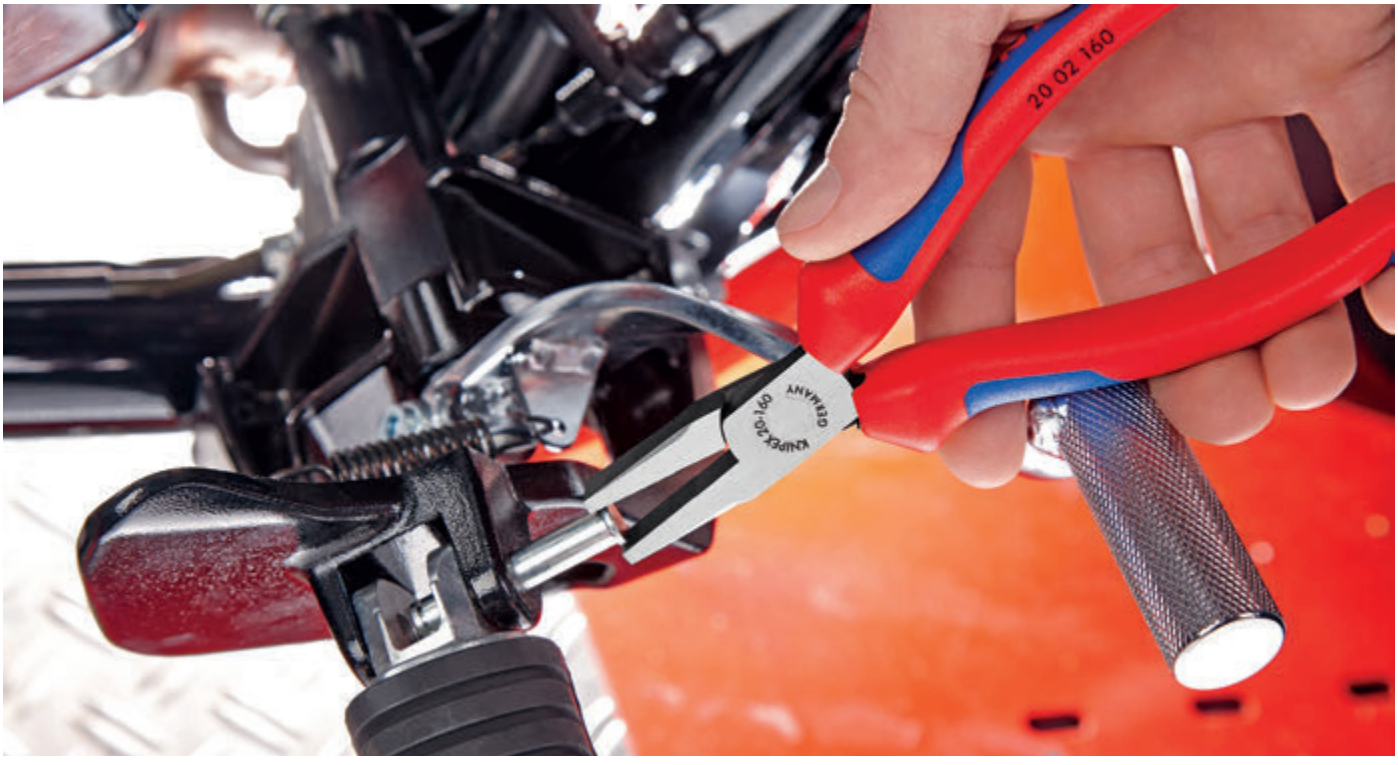






20 06 160

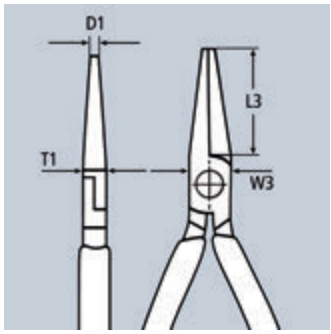
| Article No. | EAN 4003773- | ↔ mm | | Pliers | Head | Handles | Dimensions L3 mm | W3 mm | T1 mm | ⚖ g |
|---|---|---|---|---|---|---|---|---|---|---|
| **20 01 125** | 033875 | 125 | | black atramentized | polished | plastic coated | 27.0 | 14.5 | 8.0 | 80 |
| **20 01 140** | 022794 | 140 | | | | | 28.0 | 15.5 | 9.5 | 105 |
| **20 01 160** | 033882 | 160 | | | | | 30.0 | 17.0 | 9.5 | 140 |
| **20 01 180** | 042440 | 180 | | | | | 35.0 | 19.0 | 10.0 | 185 |
| **20 02 140** | 043386 | 140 | | black atramentized | polished | with multi-component grips | 28.0 | 15.5 | 9.5 | 137 |
| **20 02 160** | 035008 | 160 | | | | | 30.0 | 17.0 | 9.5 | 172 |
| **20 05 140** | 042464 | 140 | | chrome plated | chrome plated | with multi-component grips | 28.0 | 15.5 | 9.5 | 136 |
| **20 05 160** | 042457 | 160 | | | | | 30.0 | 17.0 | 9.5 | 176 |
| **20 06 160** | 033783 | 160 | 1000 V | chrome plated | chrome plated | insulated with multi-component grips, VDE-tested | 30.0 | 17.0 | 9.5 | 176 |

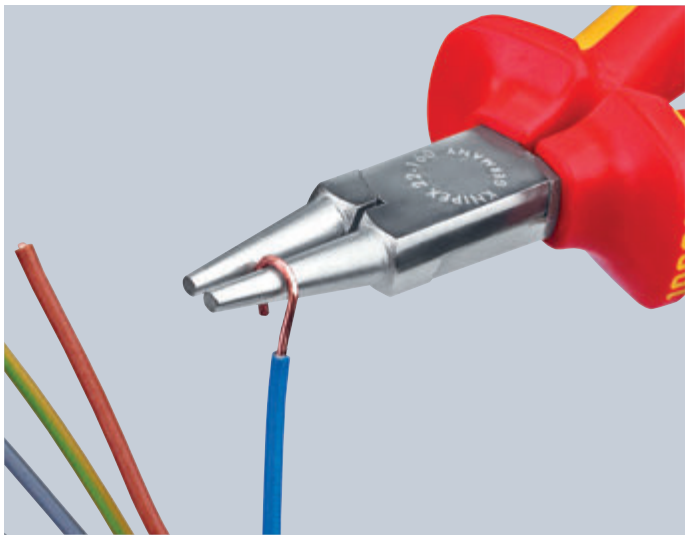


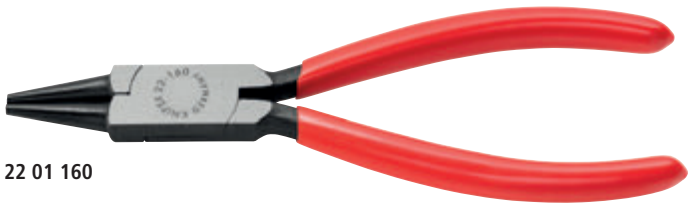
# Round Nose Pliers

> For bending wire loops
> Round, short jaws; finely ground
> Smooth tips
> Special tool steel, forged, oil-hardened
> DIN ISO 5745







22 01 160



22 02 140



22 02 160



22 05 140



22 05 160



22 06 160

| Article No. | EAN 4003773- | ↔ mm | | Pliers | Head | Handles | Dimensions L3 mm | W3 mm | D1 mm | T1 mm | ⚖ g |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **22 01 125** | 033899 | 125 | | black atramentized | polished | plastic coated | 27.0 | 14.5 | 2.0 | 8.0 | 75 |
| **22 01 140** | 022800 | 140 | | | | | 28.0 | 16.5 | 2.5 | 9.5 | 100 |
| **22 01 160** | 033905 | 160 | | | | | 30.0 | 18.0 | 3.0 | 9.5 | 135 |
| **22 02 140** | 043430 | 140 | | black atramentized | polished | with multi-component grips | 28.0 | 16.5 | 2.5 | 9.5 | 129 |
| **22 02 160** | 023173 | 160 | | | | | 30.0 | 18.0 | 3.0 | 9.5 | 170 |
| **22 05 140** | 042891 | 140 | | chrome plated | chrome plated | with multi-component grips | 28.0 | 16.5 | 2.5 | 9.5 | 127 |
| **22 05 160** | 042907 | 160 | | | | | 30.0 | 18.0 | 3.0 | 9.5 | 169 |
| **22 06 160** | 033790 | 160 | 1000 V | chrome plated | chrome plated | insulated with multi-component grips, VDE-tested | 30.0 | 18.0 | 3.0 | 9.5 | 175 |

# Long Reach Needle Nose Pliers

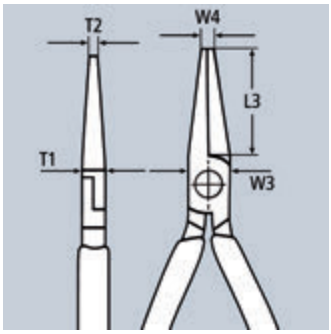
> Specially suitable for gripping and assembly work with a higher prehensile power
> Knurled gripping surfaces
> High-grade special tool steel, forged, oil-hardened



28 01 200



28 21 200




| Article No. | EAN 4003773- | ↔ mm | | Pliers | Head | Handles | Dimensions L3 mm | W3 mm | T1 mm | W4 mm | T2 mm | ⚖ g |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **28 01 200** | 044468 | 200 | | black atramentized | polished | plastic coated | 33.0 | 13.5 | 10.5 | 4.0 | 10.5 | 197 |
| **28 21 200** | 028246 | 200 | | black atramentized | polished | plastic coated | 34.0 | 13.5 | 10.5 | 3.0 | 3.0 | 187 |

# Long Reach Needle Nose Pliers

## with transverse profiles

## Long Reach Needle Nose Pliers with wave profile

- For gripping, adjustment and assembly work in hard to reach areas thanks to slim, very long design
- Deep down situated parts can be easily reached using the slim, half-round tips

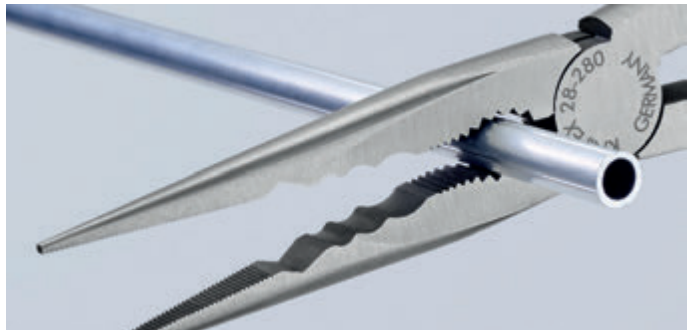
> Careful yet reliable gripping, holding and guiding of small copper pipes, screws and cables as well as other round parts thanks to milled grooves with smooth surfaces
> Serrated pipe grip to grip round parts
> Particularly suitable for work in the automotive trade and in mechanical engineering
> Slim yet robust tool
> Forged from special tool steel, oil-hardened and tempered
> DIN ISO 5745



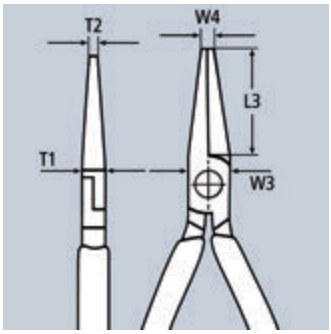
28 71 280

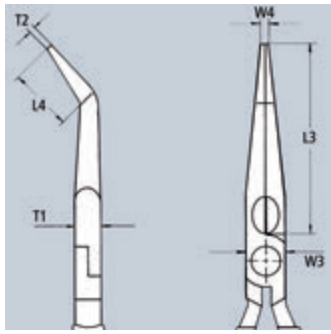


28 81 280




Wave-shaped gripping profile: transverse profile for gripping, holding and guiding





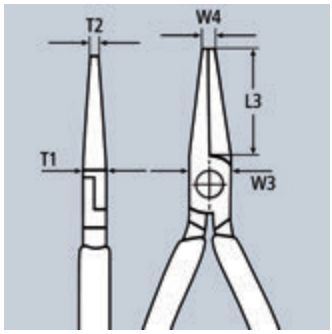



| Article No. | EAN 4003773- | ↔ mm | | Pliers | Head | Handles | Dimensions L3 mm | L4 mm | W3 mm | T1 mm | W4 mm | T2 mm | ⚖ g |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **28 71 280** | 079415 | 280 | | black atramentized | polished | plastic coated | 76.5 | | 20.0 | 9.0 | 3.0 | 2.5 | 235 |
| **28 81 280** | 079422 | 280 | ∠45° | black atramentized | polished | plastic coated | 70.0 | 20.0 | 20.0 | 9.0 | 2.5 | 2.5 | 235 |

# Telephone Pliers

> Gripping surfaces cross-hatched, knurled
> Chrome vanadium electric steel, forged, oil-hardened
> DIN ISO 5745

**29 21 160 / 29 25 160**
> Extra slim, fine tips; also suitable for soldering work



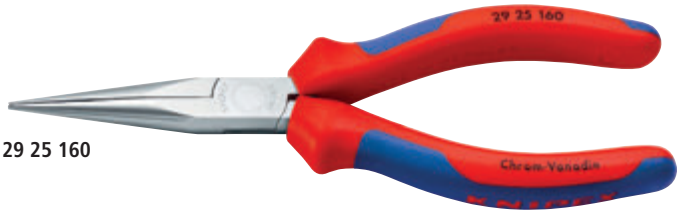




**29 11 160**




**29 21 160**



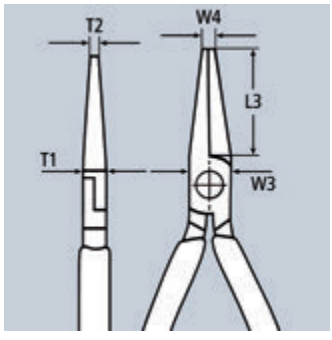

**29 25 160**

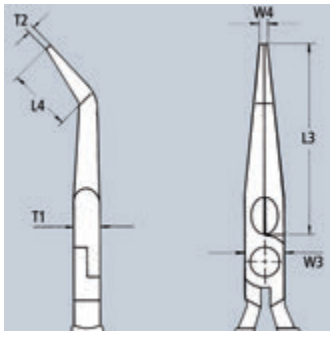
| Article No. | EAN 4003773- | ↔ mm | | Pliers | Head | Handles | Dimensions L3 mm | W3 mm | T1 mm | W4 mm | T2 mm | ⚖ g |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **29 11 160** | 016175 | 160 | | black atramentized | polished | plastic coated | 55.0 | 14.0 | 8.0 | 2.5 | 8.5 | 103 |
| **29 21 160** | 043454 | 160 | ⊖ | black atramentized | polished | plastic coated | 54.0 | 14.0 | 9.0 | 2.0 | 2.0 | 112 |
| **29 25 160** | 043478 | 160 | ⊖ | chrome plated | chrome plated | with multi-component grips | 54.0 | 14.0 | 9.0 | 2.0 | 2.0 | 139 |

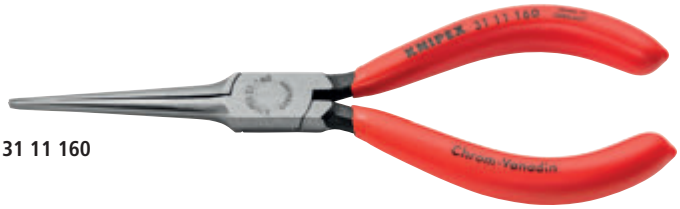
# Gripping Pliers

## Needle-Nose Pliers

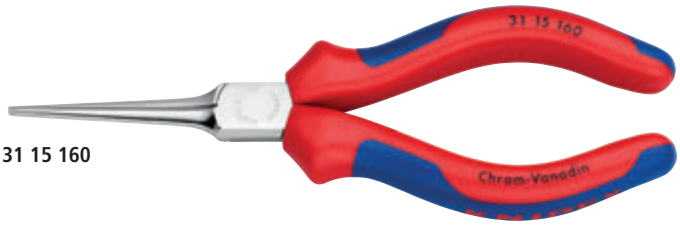
> Precision pliers for very exact assembly, bending and adjusting work
> With extra long jaws: length of jaws 55.0 mm
> Smooth ground gripping surfaces
> Edges carefully deburred
> Chrome vanadium electric steel, forged, oil-hardened



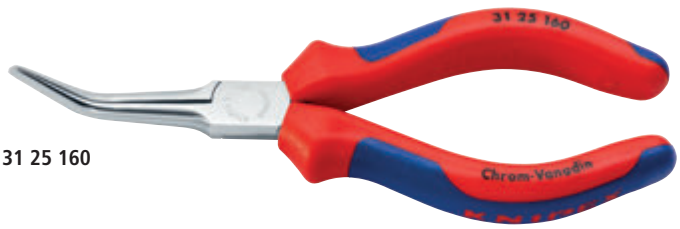




**31 11 160**




**31 15 160**




**31 25 160**

| Article No. | EAN 4003773- | ↔ mm | | Pliers | Head | Handles | Dimensions L3 mm | L4 mm | W3 mm | T1 mm | W4 mm | T2 mm | ⚖ g |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **31 11 160** | 044475 | 160 | | black atramentized | polished | plastic coated | 55.0 | | 16.0 | 7.5 | 1.8 | 2.5 | 100 |
| **31 15 160** | 016465 | 160 | | chrome plated | chrome plated | with multi-component grips | 55.0 | | 16.0 | 7.5 | 1.8 | 2.5 | 124 |
| **31 21 160** | 046790 | 160 | ∡45° | black atramentized | polished | plastic coated | 55.0 | 27.0 | 16.0 | 7.5 | 1.8 | 2.5 | 97 |
| **31 25 160** | 016489 | 160 | ∡45° | chrome plated | chrome plated | with multi-component grips | 55.0 | 27.0 | 16.0 | 7.5 | 1.8 | 2.5 | 123 |

# Long Nose Pliers

> Heavy duty and wear resisting
> Different jaw styles
> Chrome vanadium electric steel, forged, oil-hardened
> DIN ISO 5745

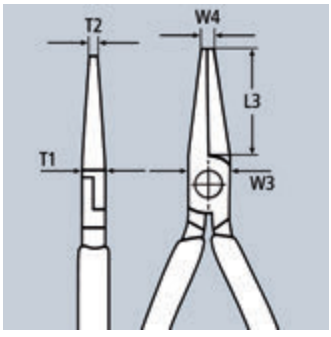
**Style 1**
> Long, trapezoidal jaws; knurled gripping surfaces

**Style 2**
> Long, half-round jaws; knurled gripping surfaces

**Style 3**
> Long, round jaws; smooth gripping surfaces



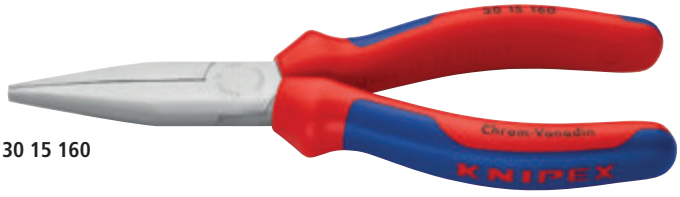








30 11 160




30 15 160




30 16 160




30 25 160

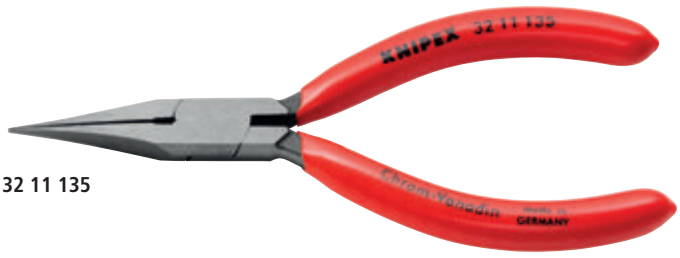



30 31 160

| Article No. | EAN 4003773- | ↔ mm | | Style | Pliers | Head | Handles | Dimensions L3 mm | W3 mm | T1 mm | W4 mm | T2 mm | ⚖ g |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **30 11 140** | 033936 | 140 | | 1 | | | | 42.0 | 15.0 | 8.0 | 2.5 | 4.0 | 86 |
| **30 11 160** | 023128 | 160 | | 1 | black atramentized | polished | plastic coated | 46.5 | 16.5 | 9.5 | 3.0 | 5.0 | 121 |
| **30 11 190** | 043492 | 190 | | 1 | | | | 50.0 | 18.5 | 8.0 | 3.0 | 8.0 | 140 |
| **30 13 140** | 016298 | 140 | | 1 | | | | 42.0 | 15.0 | 8.0 | 2.5 | 4.0 | 87 |
| **30 13 160** | 043485 | 160 | | 1 | chrome plated | chrome plated | plastic coated | 46.5 | 16.5 | 9.5 | 3.0 | 5.0 | 118 |
| **30 15 140** | 042914 | 140 | | 1 | | | | 42.0 | 15.0 | 8.0 | 2.5 | 4.0 | 106 |
| **30 15 160** | 035046 | 160 | | 1 | chrome plated | chrome plated | with multi-component grips | 46.5 | 16.5 | 9.5 | 3.0 | 5.0 | 149 |
| **30 15 190** | 001881 | 190 | | 1 | | | | 50.0 | 18.5 | 8.0 | 3.0 | 8.0 | 171 |
| **30 16 160** | 001904 | 160 | 1000 V | 1 | chrome plated | chrome plated | insulated with multi-component grips, VDE-tested | 46.5 | 16.5 | 9.5 | 3.0 | 5.0 | 150 |
| **30 21 140** | 042433 | 140 | | 2 | | | | 42.0 | 15.0 | 8.0 | 2.5 | 2.0 | 95 |
| **30 21 160** | 035053 | 160 | | 2 | black atramentized | polished | plastic coated | 50.0 | 16.5 | 9.5 | 3.0 | 2.5 | 121 |
| **30 21 190** | 043508 | 190 | | 2 | | | | 50.0 | 18.5 | 8.0 | 3.0 | 2.4 | 135 |
| **30 23 140** | 016373 | 140 | | 2 | chrome plated | chrome plated | plastic coated | 42.0 | 15.0 | 8.0 | 2.5 | 2.0 | 95 |
| **30 25 140** | 001980 | 140 | | 2 | | | | 42.0 | 15.0 | 8.0 | 2.5 | 2.0 | 114 |
| **30 25 160** | 035060 | 160 | | 2 | chrome plated | chrome plated | with multi-component grips | 50.0 | 16.5 | 9.5 | 3.0 | 2.5 | 151 |
| **30 25 190** | 043515 | 190 | | 2 | | | | 50.0 | 18.5 | 8.0 | 3.0 | 2.4 | 168 |
| **30 31 160** | 035077 | 160 | | 3 | black atramentized | polished | plastic coated | 41.0 | 16.5 | 9.5 | 5.0 | 2.5 | 110 |
| **30 33 160** | 043539 | 160 | | 3 | chrome plated | chrome plated | plastic coated | 41.0 | 16.5 | 9.5 | 5.0 | 2.5 | 111 |
| **30 35 140** | 043102 | 140 | | 3 | | | | 37.5 | 15.0 | 8.0 | 4.0 | 2.0 | 102 |
| **30 35 160** | 035084 | 160 | | 3 | chrome plated | chrome plated | with multi-component grips | 41.0 | 16.5 | 9.5 | 5.0 | 2.5 | 138 |
| **30 36 160** | 002123 | 160 | 1000 V | 3 | chrome plated | chrome plated | insulated with multi-component grips, VDE-tested | 41.0 | 16.5 | 9.5 | 5.0 | 2.5 | 141 |

# Relay Adjusting Pliers

> For gripping components and wires of the smallest diameters and for bending contact and relay springs
> Polished gripping surfaces
> Edges carefully deburred
> High-grade special tool steel, forged, oil-hardened



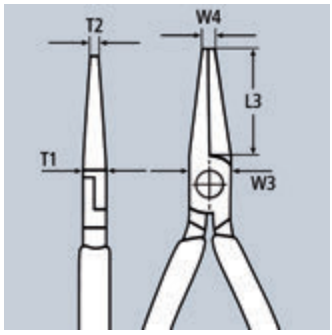

**32 11 135**




**32 21 135**



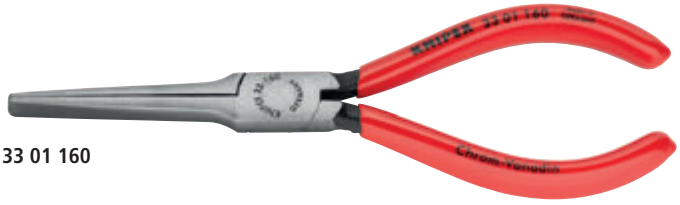

**32 31 135**




| Article No. | EAN 4003773- | ↔ mm | | Pliers | Head | Handles | Dimensions L3 mm | W3 mm | T1 mm | W4 mm | T2 mm | ⚖ g |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **32 11 135** | 035091 | 135 | | black atramentized | polished | plastic coated | 34.0 | 12.5 | 7.0 | 1.0 | 1.5 | 73 |
| **32 21 135** | 043553 | 135 | | black atramentized | polished | plastic coated | 34.0 | 12.5 | 7.0 | 1.0 | 3.5 | 74 |
| **32 31 135** | 043560 | 135 | | black atramentized | polished | plastic coated | 32.0 | 12.5 | 7.0 | 1.0 | 3.5 | 73 |

# Duckbill Pliers

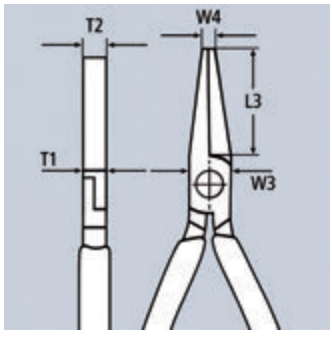
> Duckbill shaped jaws 9 mm wide at the tip and tapering to 1.5 mm thickness
> Smooth gripping surfaces
> Chrome vanadium electric steel, forged, oil-hardened




**33 01 160**




**33 03 160**




| Article No. | EAN 4003773- | ↔ mm | | Pliers | Head | Handles | Dimensions L3 mm | W3 mm | T1 mm | W4 mm | T2 mm | ⚖ g |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **33 01 160** | 016663 | 160 | | black atramentized | polished | plastic coated | 55.0 | 15.0 | 7.5 | 3.0 | 9.0 | 103 |
| **33 03 160** | 016670 | 160 | | chrome plated | chrome plated | plastic coated | 55.0 | 15.0 | 7.5 | 3.0 | 9.0 | 103 |

# Gripping Pliers

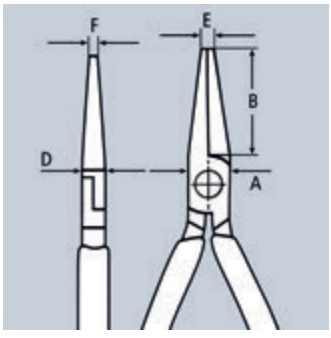
## for precision mechanics

> Precision pliers for fine assembly work, e g. in electronics and fine mechanics
> For gripping, holding, bending and adjusting
> Tips precision-ground
> Smooth gripping surfaces
> Edges carefully deburred
> Lap joint
> High-grade special tool steel, forged, oil-hardened
> DIN ISO 9655

**Style 1**
> Flat, wide jaws

**Style 2**
> Flat, concave and pointed jaws

**Style 3**
> Half-round jaws







**37 11 125**




**37 13 125**



**37 21 125**



**37 23 125**



**37 31 125**



**37 33 125**



**37 41 125**



**37 43 125**

| Article No. | EAN 4003773- | ↔ mm | | Style | Pliers | Head | Handles | Dimensions B mm | A mm | D mm | E mm | F mm | ⚖ g |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **37 11 125** | 014287 | 125 | | 1 | black atramentized | polished | plastic coated | 27.0 | 12.5 | 7.0 | 2.0 | 5.5 | 76 |
| **37 13 125** | 043638 | 125 | | 1 | chrome plated | chrome plated | plastic coated | 27.0 | 12.5 | 7.0 | 2.0 | 5.5 | 71 |
| **37 21 125** | 035138 | 125 | | 2 | black atramentized | polished | plastic coated | 27.0 | 12.5 | 7.0 | 2.0 | 2.0 | 74 |
| **37 23 125** | 043645 | 125 | | 2 | chrome plated | chrome plated | plastic coated | 27.0 | 12.5 | 7.0 | 2.0 | 2.0 | 72 |
| **37 31 125** | 035145 | 125 | | 3 | black atramentized | polished | plastic coated | 27.0 | 12.5 | 7.0 | 2.0 | 1.6 | 74 |
| **37 33 125** | 016960 | 125 | | 3 | chrome plated | chrome plated | plastic coated | 27.0 | 12.0 | 7.0 | 2.0 | 1.6 | 78 |
| **37 41 125** | 035152 | 125 | | 4 | black atramentized | polished | plastic coated | 27.0 | 14.5 | 8.0 | 2.0 | 1.0 | 76 |
| **37 43 125** | 043652 | 125 | | 4 | chrome plated | chrome plated | plastic coated | 27.0 | 14.5 | 8.0 | 2.0 | 1.0 | 76 |

# Mechanics' Pliers

> High bending strength of the pliers tips
> Gripping surfaces cross-hatched, knurled
> Vanadium electric steel; forged, oil-hardened
> DIN ISO 5745

**Style 2**
> 40° angled jaws

**Style 3**
> Curved tip

**38 35 200 T***
> Pliers with tether attachment point for mounting a fall protection

**38 71 200**
> 70° angled, half-round jaws, suitable for pulling split pins; for gripping at points that are difficult to access

**38 91 200 / 38 95 200**
> 45° angled, half-round, long jaws, also suitable for gripping spark plugs and round components (spark plug cover "grabber")


38 11 200


38 15 200


38 21 200


38 25 200


38 31 200

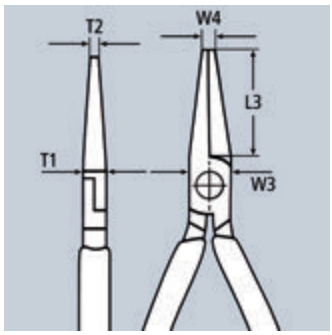

38 35 200


38 41 190


38 71 200


38 91 200


38 95 200










| Article No. | EAN 4003773- | ↔ mm | | Pliers | Head | Handles | Dimensions L3 mm | W3 mm | T1 mm | W4 mm | T2 mm | ⚖ g |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **38 11 200** | 035169 | 200 | | black atramentized | polished | plastic coated | 73.0 | 17.5 | 9.5 | 3.0 | 2.5 | 179 |
| **38 15 200** | 039594 | 200 | | chrome plated | chrome plated | with multi-component grips | 73.0 | 17.5 | 9.5 | 3.0 | 2.5 | 209 |
| **38 21 200** | 035176 | 200 | ∠40° | black atramentized | polished | plastic coated | 73.0 | 17.5 | 9.5 | 3.0 | 2.5 | 175 |
| **38 25 200** | 043669 | 200 | ∠40° | chrome plated | chrome plated | with multi-component grips | 73.0 | 17.5 | 9.5 | 3.0 | 2.5 | 209 |
| **38 31 200** | 040712 | 200 | | black atramentized | polished | plastic coated | 73.0 | 17.5 | 9.5 | 3.0 | 2.5 | 176 |
| **38 35 200** | 017134 | 200 | | chrome plated | chrome plated | with multi-component grips | 73.0 | 17.5 | 9.5 | 3.0 | 2.5 | 205 |
| **38 35 200 T** | 083771 | 200 | | chrome plated | chrome plated | with multi-component grips, with integrated tether attachment point for a tool tether | 73.0 | 17.5 | 9.5 | 3.0 | 2.5 | 210 |
| **38 41 190** | 017141 | 190 | | black atramentized | polished | plastic coated | 50.0 | 18.0 | 8.0 | 4.0 | 8.0 | 139 |
| **38 45 190** | 043676 | 190 | | chrome plated | chrome plated | with multi-component grips | 50.0 | 18.0 | 8.0 | 4.0 | 8.0 | 171 |
| **38 71 200** | 017202 | 200 | ∠70° | black atramentized | polished | plastic coated | 73.0 | 17.5 | 9.5 | 3.0 | 2.0 | 174 |
| **38 91 200** | 017219 | 200 | ∠45° | black atramentized | polished | plastic coated | 73.0 | 17.5 | 9.5 | | 2.5 | 177 |
| **38 95 200** | 017233 | 200 | ∠45° | chrome plated | chrome plated | with multi-component grips | 73.0 | 17.5 | 9.5 | | 2.5 | 207 |

*Other tools with tethering can be found from page 272

# Universal Grip Pliers

> Hold round, profile and flat material securely
> Heavy duty model
> With adjustment screw and release lever
> One-hand operation
> High clamping pressure due to toggle lever action
> Pliers body: rolled steel, high-strength
> Gripping jaws: chrome vanadium electric steel, forged

**40 14 250**
> With one pivoting jaw



**40 04 250**



**40 14 250**

| Article No. | EAN 4003773- | ↔ mm | | Pliers | ○ mm | □ mm | ⬡ mm | ⚖ g |
|---|---|---|---|---|---|---|---|---|
| **40 04 180** | 022190 | 180 | | galvanized | 35 | 25 | 32 | 310 |
| **40 04 250** | 002710 | 250 | | | 35 | 30 | 32 | 521 |
| **40 14 250** | 080329 | 250 | | galvanized | 43 | 42 | 45 | 600 |

# Welding Grip Pliers

> For gripping, clamping and holding of diverse profiles
> Heavy duty model
> With adjustment screw and release lever
> One-hand operation
> High clamping pressure due to toggle lever action
> Pliers body: rolled steel, high-strength

**42 14 280**
> Heat resistant malleable cast iron jaws; section or flat material items lying side by side are held in place during welding; also for section material with vertical webs up to 15 mm height

**42 24 280**
> Heat resistant malleable cast iron jaws; round or tubular material items lying centrally side by side are held securely during welding

**42 34 280**
> Gripping jaws of chrome vanadium steel, drop forged; clamps cumbersome workpieces and sections with high webs up to 40 mm

**42 44 280**
> With moveable jaws; gripping jaws of chrome vanadium steel, drop forged; clamps and balances bulky work components and profiles with high ridges of up to 40 mm



**42 14 280**



**42 24 280**



**42 34 280**



**42 44 280**









| Article No. | EAN 4003773- | ↔ mm | Pliers | ○ mm | □ mm | ⚖ g |
|---|---|---|---|---|---|---|
| **42 14 280** | 022206 | 280 | galvanized | 30 – 65 | 50 | 917 |
| **42 24 280** | 022213 | 280 | galvanized | 10 – 70 | | 850 |
| **42 34 280** | 022220 | 280 | galvanized | | 90 | 692 |
| **42 44 280** | 080350 | 280 | galvanized | | 90 | 740 |

# Grip Pliers

> Hold round, profile and flat material securely
> Heavy duty model
> With adjustment screw and release lever
> One-hand operation
> High clamping pressure due to toggle lever action
> Pliers body: rolled steel, high-strength
> Gripping jaws: chrome vanadium electric steel, forged

**Style 0**
> Jaws for round workpieces, with wire cutter

**Style 1**
> Jaws with double prism for round, section and flat material

**Style 2**
> Straight jaws for flat material

**Style 3**
> Long-Nose Grip Pliers, narrow, long jaws

**Style 4**
> Long-Nose Grip Pliers, narrow, long jaws; very suitable for areas that are difficult to reach; non-serrated gripping area for pinching off hoses



**41 04 250**



**41 14 250**



**41 24 225**



**41 34 165**



**41 44 200**









| Article No. | EAN 4003773- | ↔ mm | | Style | Pliers | ○ mm | □ mm | ⬡ mm | ⚖ g |
|---|---|---|---|---|---|---|---|---|---|
| **41 04 180** | 002741 | 180 | | 0 | | 30 | 20 | 30 | 363 |
| **41 04 250** | 002758 | 250 | | 0 | galvanized | 40 | 20 | 30 | 517 |
| **41 04 300** | 022183 | 300 | | 0 | | 65 | 30 | 34 | 923 |
| **41 14 250** | 023470 | 250 | | 1 | galvanized | 36 | 36 | 36 | 557 |
| **41 24 225** | 023487 | 225 | | 2 | galvanized | 25 | 16 | 30 | 504 |
| **41 34 165** | 047858 | 165 | | 3 | galvanized | 20 | 10 | 24 | 189 |
| **41 44 200** | 080343 | 200 | ∡70° | 4 | galvanized | 20 | 20 | 30 | 400 |

# Circlip Pliers



| | |
|---|---|
| Circlip Pliers for internal circlips in bore holes | 56 |
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# Circlip Pliers

## for internal circlips in bore holes



> Slim pattern, forged
> Non-slip, solid tips
> Pliers body and tips: chrome vanadium steel, forged, oil-hardened



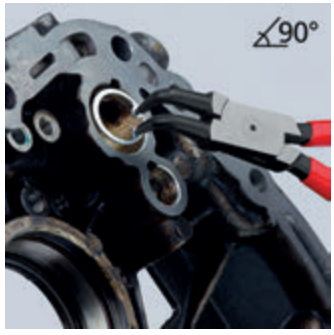
44 11 J2



44 13 J2








44 21 J21



44 23 J21



44 31 J22

**Style 1**
> DIN 5256 C, straight tips

**Style 2**
> DIN 5256 D; 90° angled tips

**Style 3**
> 45° angled tips

| Article No. | EAN 4003773- | ↔ mm | | Style | Pliers | Head | Handles | Size of bore Ø mm | Tips Ø mm | ⚖ g |
|---|---|---|---|---|---|---|---|---|---|---|
| **44 11 J0** | 040286 | 140 | | 1 | | | | 8 – 13 | 0.9 | 88 |
| **44 11 J1** | 022862 | 140 | | 1 | | | | 12 – 25 | 1.3 | 88 |
| **44 11 J2** | 022879 | 180 | ↻ | 1 | black atramentized | polished | plastic coated | 19 – 60 | 1.8 | 135 |
| **44 11 J3** | 033943 | 225 | | 1 | | | | 40 – 100 | 2.3 | 196 |
| **44 11 J4** | 042549 | 320 | | 1 | | | | 85 – 140 | 3.2 | 469 |
| **44 13 J0** | 048176 | 140 | | 1 | | | | 8 – 13 | 0.9 | 89 |
| **44 13 J1** | 042938 | 140 | | 1 | | | | 12 – 25 | 1.3 | 88 |
| **44 13 J2** | 042945 | 180 | ↻ | 1 | chrome plated | chrome plated | plastic coated | 19 – 60 | 1.8 | 138 |
| **44 13 J3** | 042952 | 225 | | 1 | | | | 40 – 100 | 2.3 | 194 |
| **44 13 J4** | 017301 | 320 | | 1 | | | | 85 – 140 | 3.2 | 463 |
| **44 21 J01** | 040132 | 130 | | 2 | | | | 8 – 13 | 0.9 | 88 |
| **44 21 J11** | 022886 | 130 | | 2 | | | | 12 – 25 | 1.3 | 88 |
| **44 21 J21** | 022893 | 170 | ∡90° ↻ | 2 | black atramentized | polished | plastic coated | 19 – 60 | 1.8 | 139 |
| **44 21 J31** | 033769 | 215 | | 2 | | | | 40 – 100 | 2.3 | 196 |
| **44 21 J41** | 043683 | 300 | | 2 | | | | 85 – 140 | 3.2 | 462 |
| **44 23 J11** | 042969 | 130 | | 2 | | | | 12 – 25 | 1.3 | 89 |
| **44 23 J21** | 042976 | 170 | ∡90° ↻ | 2 | chrome plated | chrome plated | plastic coated | 19 – 60 | 1.8 | 138 |
| **44 23 J31** | 042983 | 215 | | 2 | | | | 40 – 100 | 2.3 | 200 |
| **44 31 J02** | 066941 | 140 | | 3 | | | | 8 – 13 | 0.9 | 90 |
| **44 31 J12** | 066958 | 140 | | 3 | | | | 12 – 25 | 1.3 | 90 |
| **44 31 J22** | 066965 | 180 | ∡45° ↻ | 3 | black atramentized | polished | plastic coated | 19 – 60 | 1.8 | 140 |
| **44 31 J32** | 066972 | 225 | | 3 | | | | 40 – 100 | 2.3 | 195 |
| **44 31 J42** | 066989 | 310 | | 3 | | | | 85 – 140 | 3.2 | 465 |

# Circlip Pliers

## for external circlips on shafts



> Slim pattern, forged
> Non-slip, solid tips
> Pliers body and tips: chrome vanadium steel, forged, oil-hardened



46 13 A2





46 21 A21



46 31 A22







**Style 1**
> DIN 5254 A; straight tips

**Style 2**
> DIN 5254 B; 90° angled tips

**Style 3**
> 45° angled tips

| Article No. | EAN 4003773- | ↔ mm | | Style | Pliers | Head | Handles | Size of shaft Ø mm | Tips Ø mm | ⚖ g |
|---|---|---|---|---|---|---|---|---|---|---|
| **46 11 A0** | 033950 | 140 | | 1 | | | | 3 – 10 | 0.9 | 85 |
| **46 11 A1** | 022909 | 140 | | 1 | | | | 10 – 25 | 1.3 | 86 |
| **46 11 A2** | 022916 | 180 | | 1 | black atramentized | polished | plastic coated | 19 – 60 | 1.8 | 134 |
| **46 11 A3** | 033974 | 210 | | 1 | | | | 40 – 100 | 2.3 | 220 |
| **46 11 A4** | 042532 | 320 | | 1 | | | | 85 – 140 | 3.2 | 505 |
| **46 13 A0** | 017417 | 140 | | 1 | | | | 3 – 10 | 0.9 | 85 |
| **46 13 A1** | 042990 | 140 | | 1 | | | | 10 – 25 | 1.3 | 82 |
| **46 13 A2** | 043003 | 180 | | 1 | chrome plated | chrome plated | plastic coated | 19 – 60 | 1.8 | 133 |
| **46 13 A3** | 043010 | 210 | | 1 | | | | 40 – 100 | 2.3 | 211 |
| **46 21 A01** | 033967 | 125 | | 2 | | | | 3 – 10 | 0.9 | 85 |
| **46 21 A11** | 023005 | 125 | | 2 | | | | 10 – 25 | 1.3 | 85 |
| **46 21 A21** | 022923 | 170 | 90° | 2 | black atramentized | polished | plastic coated | 19 – 60 | 1.8 | 132 |
| **46 21 A31** | 033981 | 200 | | 2 | | | | 40 – 100 | 2.3 | 219 |
| **46 21 A41** | 039365 | 300 | | 2 | | | | 85 – 140 | 3.2 | 510 |
| **46 23 A01** | 017509 | 125 | | 2 | | | | 3 – 10 | 0.9 | 84 |
| **46 23 A11** | 043027 | 125 | | 2 | | | | 10 – 25 | 1.3 | 84 |
| **46 23 A21** | 043034 | 170 | 90° | 2 | chrome plated | chrome plated | plastic coated | 19 – 60 | 1.8 | 132 |
| **46 23 A31** | 043041 | 200 | | 2 | | | | 40 – 100 | 2.3 | 221 |
| **46 31 A02** | 066996 | 130 | | 3 | | | | 3 – 10 | 0.9 | 83 |
| **46 31 A12** | 067009 | 130 | | 3 | | | | 10 – 25 | 1.3 | 85 |
| **46 31 A22** | 067016 | 185 | 45° | 3 | black atramentized | polished | plastic coated | 19 – 60 | 1.8 | 133 |
| **46 31 A32** | 067023 | 210 | | 3 | | | | 40 – 100 | 2.3 | 213 |
| **46 31 A42** | 067030 | 310 | | 3 | | | | 85 – 140 | 3.2 | 511 |

▶ Circlip Pliers Sets see page 65 – 69

# Precision Circlip Pliers

## for internal circlips in bore holes

- Heavy duty in continuous operation: up to 10 times longer service life compared to turned tips
- With inserted tips for reliable work

> Bolted joint: precise, zero backlash operation of pliers
> Non-slip plastic coating on the handles
> Inserted tips: spring steel wire, drawn
> Pliers body: chrome vanadium electric steel, forged, oil-hardened

**Style 1**
> DIN 5256 C, straight tips

**Style 2**
> DIN 5256 D; 90° angled tips




**48 11 J2**




**48 21 J21**

## High precision quality

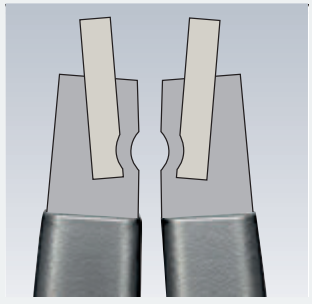
Easy and reliable assembly: form-fitting inserted and pressed-in tips made of high-density spring steel offer a high level of protection against excessive stress and strain, e.g. when removing stuck rings. The large supporting surfaces and the position of the tips make it more difficult for the rings to bounce off.



**KNIPEX circlip pliers with overexpansion guard**
For the standardized fitting of circlips in the industrial serial production. Particularly manufacturers of sensitive, safety-relevant components (e.g. brakes or gears) highly appreciate the compliance of DIN 471 and 472. The mounting of circlip rings in this case requires pliers with overexpansion guard or a cone. KNIPEX Circlip Pliers with overexpansion guard meet the requirements and furthermore offer a superior durability.



Sturdy, inserted tips: made from high-density spring steel



Tight fit through compression

| Article No. | EAN 4003773- | ↔ mm | | Style | Pliers | Handles | Size of bore Ø mm | Tips Ø mm | ⚖ g |
|---|---|---|---|---|---|---|---|---|---|
| **48 11 J0** | 048510 | 140 | | 1 | | | 8 – 13 | 0.9 | 105 |
| **48 11 J1** | 048527 | 140 | | 1 | | | 12 – 25 | 1.3 | 105 |
| **48 11 J2** | 048534 | 180 | ⟲ | 1 | grey atramentized | with non-slip plastic coating | 19 – 60 | 1.8 | 175 |
| **48 11 J3** | 048541 | 225 | | 1 | | | 40 – 100 | 2.3 | 266 |
| **48 11 J4** | 048558 | 320 | | 1 | | | 85 – 140 | 3.2 | 580 |
| **48 21 J01** | 048619 | 130 | | 2 | | | 8 – 13 | 0.9 | 105 |
| **48 21 J11** | 048633 | 130 | | 2 | | | 12 – 25 | 1.3 | 105 |
| **48 21 J21** | 048640 | 165 | ∡90° ⟲ | 2 | grey atramentized | with non-slip plastic coating | 19 – 60 | 1.8 | 175 |
| **48 21 J31** | 048657 | 210 | | 2 | | | 40 – 100 | 2.3 | 265 |
| **48 21 J41** | 048664 | 305 | | 2 | | | 85 – 140 | 3.2 | 576 |

- With overstretching limiter
- For all circlips with a diameter of 8 – 100 mm

> With overstretching limiter for standardized assembly according to DIN 472
> The adjustable stop screw prevents overexpansion
> Adjustment using hexagonal screw
> Ideal for series production as excessive expansion of rings is effectively prevented

**Style 3**
> DIN 5256 C, straight tips

**Style 4**
> DIN 5256 D; 90° angled tips

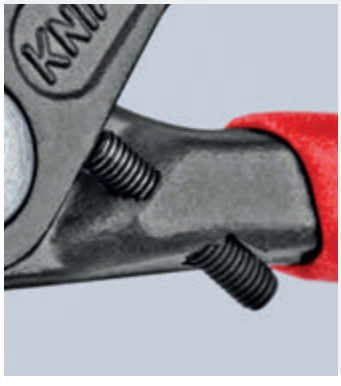



**48 31 J3**




**48 41 J21**

**KNIPEX circlip pliers with overexpansion guard**
For the standardized fitting of circlips in the industrial serial production. Particularly manufacturers of sensitive, safety-relevant components (e.g. brakes or gears) highly appreciate the compliance of DIN 471 and 472. The mounting of circlip rings in this case requires pliers with overexpansion guard or a cone. KNIPEX Circlip Pliers with overexpansion guard meet the requirements and furthermore offer a superior durability.










| Article No. | EAN 4003773- | ↔ mm | | Style | Pliers | Handles | Size of bore Ø mm | Tips Ø mm | ⚖ g |
|---|---|---|---|---|---|---|---|---|---|
| **48 31 J0** | 079552 | 140 | ⟲ | 3 | grey atramentized | with non-slip plastic coating | 8 – 13 | 0.9 | 105 |
| **48 31 J1** | 073864 | 140 | | 3 | | | 12 – 25 | 1.3 | 105 |
| **48 31 J2** | 073871 | 180 | | 3 | | | 19 – 60 | 1.8 | 175 |
| **48 31 J3** | 073888 | 225 | | 3 | | | 40 – 100 | 2.3 | 266 |
| **48 41 J01** | 079569 | 130 | ∡90° ⟲ | 4 | grey atramentized | with non-slip plastic coating | 8 – 13 | 0.9 | 105 |
| **48 41 J11** | 079576 | 130 | | 4 | | | 12 – 25 | 1.3 | 105 |
| **48 41 J21** | 080695 | 165 | | 4 | | | 19 – 60 | 1.8 | 175 |
| **48 41 J31** | 079590 | 210 | | 4 | | | 40 – 100 | 2.3 | 265 |

▶ Precision Circlip Pliers Sets see page 65 – 69

# Precision Circlip Pliers

## for external circlips on shafts

- Heavy duty in continuous operation: up to 10 times longer service life compared to turned tips
- With inserted tips for reliable work

> Large contact faces on the tips: no distortion of circlips, easy fitting
> Bolted joint: precise, zero backlash operation of pliers
> Internal opening spring, protected and captive
> Non-slip plastic coating on the handles
> Precise, smoothly-operating screw joint
> Slim head style allows use in confined areas
> Handles with non-slip plastic coating
> Inserted tips: spring steel wire, drawn
> Pliers body: chrome vanadium electric steel, forged, oil-hardened

**Style 1**
> DIN 5254 A; straight tips

**Style 2**
> DIN 5254 B; 90° angled tips




49 11 A2



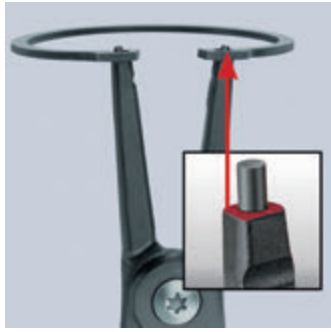

49 21 A21

## High precision quality

Easy and reliable assembly: form-fitting inserted and pressed-in tips made of high-density spring steel offer a high level of protection against excessive stress and strain, e.g. when removing stuck rings. The large supporting surfaces and the position of the tips make it more difficult for the rings to bounce off.



Spring inside the joint: the spring is protected inside the precisely bolted joint. It does not hinder work and cannot get dirty or lost.

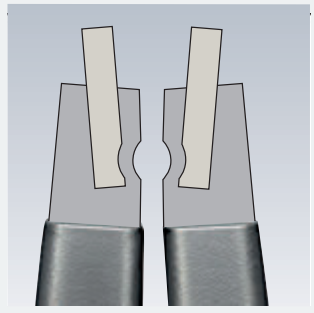


KNIPEX Precision Circlip Pliers: fit circlips without distortion; easy and quick assembling

**KNIPEX circlip pliers with overexpansion guard**
For the standardized fitting of circlips in the industrial serial production. Particularly manufacturers of sensitive, safety-relevant components (e.g. brakes or gears) highly appreciate the compliance of DIN 471 and 472. The mounting of circlip rings in this case requires pliers with overexpansion guard or a cone. KNIPEX Circlip Pliers with overexpansion guard meet the requirements and furthermore offer a superior durability.



Sturdy, inserted tips: made from high-density spring steel



Tight fit through compression

| Article No. | EAN 4003773- | ↔ mm | | Style | Pliers | Handles | Size of shaft Ø mm | Tips Ø mm | ⚖ g |
|---|---|---|---|---|---|---|---|---|---|
| **49 11 A0** | 048718 | 140 | | 1 | | | 3 – 10 | 0.9 | 101 |
| **49 11 A1** | 048725 | 140 | | 1 | | | 10 – 25 | 1.3 | 100 |
| **49 11 A2** | 048732 | 180 | | 1 | grey atramentized | with non-slip plastic coating | 19 – 60 | 1.8 | 170 |
| **49 11 A3** | 048749 | 225 | | 1 | | | 40 – 100 | 2.3 | 270 |
| **49 11 A4** | 048756 | 320 | | 1 | | | 85 – 140 | 3.2 | 599 |
| **49 21 A01** | 048817 | 130 | | 2 | | | 3 – 10 | 0.9 | 100 |
| **49 21 A11** | 048824 | 130 | | 2 | | | 10 – 25 | 1.3 | 102 |
| **49 21 A21** | 048831 | 165 | 90° | 2 | grey atramentized | with non-slip plastic coating | 19 – 60 | 1.8 | 169 |
| **49 21 A31** | 048848 | 210 | | 2 | | | 40 – 100 | 2.3 | 272 |
| **49 21 A41** | 048855 | 305 | | 2 | | | 85 – 140 | 3.2 | 601 |

- With overstretching limiter
- For all circlips with a diameter of 3 – 100 mm

> With overstretching limiter for standardized assembly according to DIN 471
> The adjustable stop screw prevents overexpansion
> Adjustment using hexagonal screw
> Ideal for series production as excessive expansion of rings is effectively prevented

**Style 3**
> DIN 5254 A; straight tips, with overstretching limiter for standardized assembly according to DIN 471: the adjustable stop screw prevents overexpansion

**Style 4**
> 90° angled tips; with overstretching limiter for standardized assembly in accordance with DIN 471; the adjustable stop screw prevents the rings from overstretching




**49 31 A0**



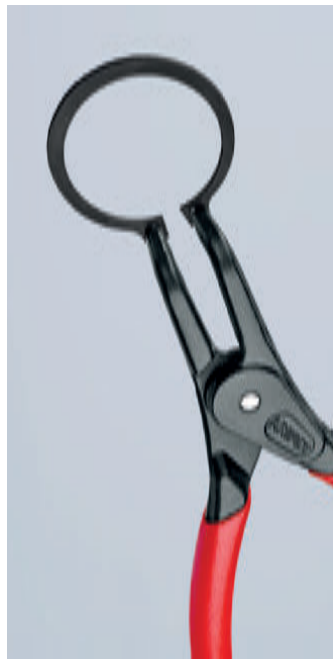

**49 41 A01**

**KNIPEX circlip pliers with overexpansion guard**
For the standardized fitting of circlips in the industrial serial production. Particularly manufacturers of sensitive, safety-relevant components (e.g. brakes or gears) highly appreciate the compliance of DIN 471 and 472. The mounting of circlip rings in this case requires pliers with overexpansion guard or a cone. KNIPEX Circlip Pliers with overexpansion guard meet the requirements and furthermore offer a superior durability.









| Article No. | EAN 4003773- | ↔ mm | | Style | Pliers | Handles | Size of shaft Ø mm | Tips Ø mm | ⚖ g |
|---|---|---|---|---|---|---|---|---|---|
| **49 31 A0** | 061748 | 140 | | 3 | | | 3 – 10 | 0.9 | 103 |
| **49 31 A1** | 073895 | 140 | | 3 | | | 10 – 25 | 1.3 | 100 |
| **49 31 A2** | 073901 | 180 | | 3 | | | 19 – 60 | 1.8 | 170 |
| **49 31 A3** | 073918 | 225 | | 3 | | | 40 – 100 | 2.3 | 270 |
| **49 41 A01** | 061755 | 130 | | 4 | | | 3 – 10 | 0.9 | 102 |
| **49 41 A11** | 079606 | 130 | | 4 | | | 10 – 25 | 1.3 | 102 |
| **49 41 A21** | 079613 | 165 | | 4 | | | 19 – 60 | 1.8 | 169 |
| **49 41 A31** | 079620 | 210 | | 4 | | | 40 – 100 | 2.3 | 272 |

▶ Precision Circlip Pliers Sets see page 65 – 69

# Circlip Pliers

## for large internal circlips



> With locking device, can be released
> With replaceable tips made of tempered steel
> Black powder-coated
> Pliers body: rolled steel, high-strength
> Tips: special tool steel, oil-hardened

**Style 1**
> DIN 5256 C, straight tips

**Style 2**
> DIN 5256 D; 90° angled tips



**44 10 J5**



**44 20 J61**

| Article No. | EAN 4003773- | ↔ mm | | Style | Pliers | Size of bore Ø mm | Tips Ø mm | ⚖ g |
|---|---|---|---|---|---|---|---|---|
| **44 10 J5** | 024910 | 570 | | 1 | black powder-coated | 122 – 300 | 3.5 | 1738 |
| **44 10 J6** | 024927 | 580 | | 1 | | 252 – 400 | 4.5 | 1755 |
| **44 20 J51** | 024958 | 590 | ∠90° | 2 | black powder-coated | 122 – 300 | 3.5 | 1803 |
| **44 20 J61** | 024965 | 600 | ∠90° | 2 | | 252 – 400 | 4.5 | 1723 |

| | | |
|---|---|---|
| **44 19 J5** | 024934 | 1 pair of spare tips for 44 10 J5 |
| **44 19 J6** | 024941 | 1 pair of spare tips for 44 10 J6 |
| **44 29 J51** | 024972 | 1 pair of spare tips for 44 20 J51 |
| **44 29 J61** | 024989 | 1 pair of spare tips for 44 20 J61 |

# Circlip Pliers

## for large external circlips



> With locking device, can be released
> With replaceable tips made of tempered steel
> Black powder-coated
> Pliers body: rolled steel, high-strength
> Tips: special tool steel, oil-hardened

**Style 1**
> DIN 5254 A; straight tips

**Style 2**
> DIN 5254 B; 90° angled tips



**46 10 A5**



**46 20 A51**

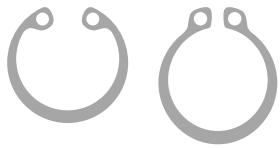
| Article No. | EAN 4003773- | ↔ mm | | Style | Pliers | Size of shaft Ø mm | Tips Ø mm | ⚖ g |
|---|---|---|---|---|---|---|---|---|
| **46 10 A5** | 024996 | 560 | | 1 | black powder-coated | 122 – 300 | 3.5 | 1773 |
| **46 10 A6** | 025009 | 570 | | 1 | | 252 – 400 | 4.5 | 1795 |
| **46 20 A51** | 025023 | 570 | ∠90° | 2 | black powder-coated | 122 – 300 | 3.5 | 1832 |
| **46 20 A61** | 025030 | 580 | ∠90° | 2 | | 252 – 400 | 4.5 | 1826 |

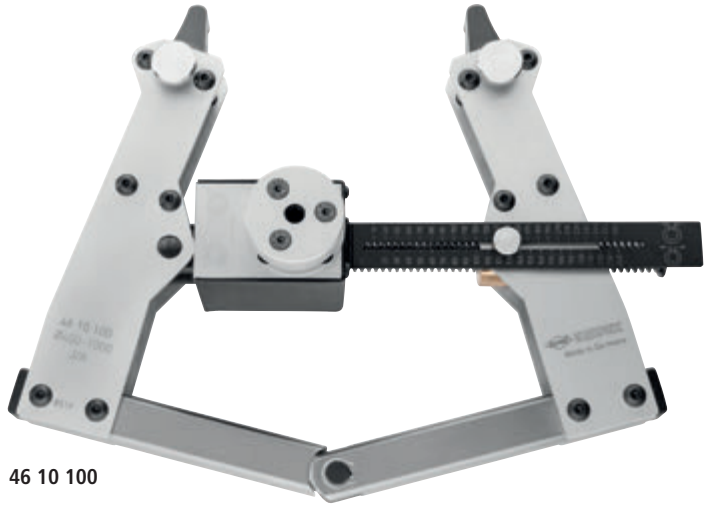
| | | |
|---|---|---|
| **46 19 A5** | 024316 | 1 pair of spare tips for 46 10 A5 |
| **46 19 A6** | 025016 | 1 pair of spare tips for 46 10 A6 |
| **46 29 A51** | 025047 | 1 pair of spare tips for 46 20 A51 |
| **46 29 A61** | 025054 | 1 pair of spare tips for 46 20 A61 |

# Circlip Tool

## for internal and external circlips up to 1,000 mm nominal size

> Universally usable for large circlips with diameters of 400 – 1000 mm
> Reliable opening and closing of the circlips and holding by self-locking precision spindle drive
> For fitting and removing circlips
> Circlips are reliably catched thanks to short, direct attachment
> Replaceable tips having working ends with diameters of 6 and 9 mm, for perfect adaption to the handling bores in the circlips
> Optional operation by hand, with Allen key, ratchet wrench or cordless screwdriver
> Areas of application are heavy engines where very high forces and torques are transmitted with large shafts and bearings , e.g. wind turbines, tidal power stations, generator construction, hydropower stations, large machine construction (rolling mills, presses), shipbuilding, aerospace
> Tool in a plastic case with foam insert
> Tip material: chrome-vanadium electric steel





**46 10 100**



Manually operable



Automated or manual operation







Replaceable inserts for internal and external circlips





| Article No. | EAN 4003773- | | Size of bore Ø mm | Size of shaft Ø mm | ⚖ g |
|---|---|---|---|---|---|
| **46 10 100** | 075417 | ⥀ ⥁ | 400 – 1000 | 400 – 1000 | 2200 |
| **46 19 100 01** | 084549 | Spare tips 6 mm | | | |
| **46 19 100 02** | 084556 | Spare tips 9 mm | | | |

# Special Retaining Ring Pliers

## for retaining rings on shafts

> For fitting horseshoe-shaped spring retaining rings and circlips without grip holes
> For shaft retaining devices
> With opening spring
> Chrome vanadium electric steel, forged, oil-hardened

**45 10 170**
> For retaining rings with a minimum ring split gap of 3.6 mm

**45 21 200**
> Angled jaws with centering hole; for snap rings larger than 12.0 mm dia., e.g. for securing cardan shafts in a motor vehicle; minimum ring split gap of the rings 2.2 mm



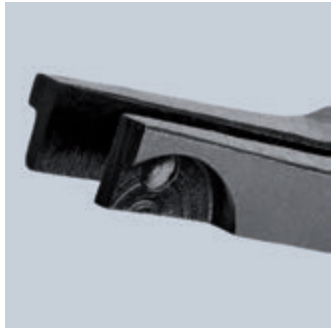
45 10 170



45 21 200



45 10 170



45 21 200



45 21 200

| Article No. | EAN 4003773- | ↔ mm | | Pliers | Handles | ⚖ g |
|---|---|---|---|---|---|---|
| **45 10 170** | 017370 | 170 | | burnished | | 156 |
| **45 21 200** | 031208 | 200 | 30° | burnished | plastic coated | 186 |

# Circlip Pliers

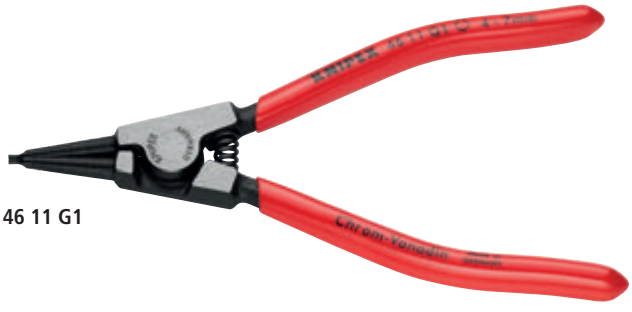
## for grip rings on shafts

> For fitting grip rings on shafts from 1.5 – 30 mm dia.
> With opening spring
> Solid style, forged
> Non-slip, solid tips
> Pliers body and tips: chrome vanadium steel, forged, oil-hardened

**46 11 G0**
> For rings of 1.5 - 4.0 mm dia., with adjustable stop screw to prevent overstretching



46 11 G0



46 11 G1

| Article No. | EAN 4003773- | ↔ mm | | Pliers | Head | Handles | Size of shaft Ø mm | Tips Ø mm | ⚖ g |
|---|---|---|---|---|---|---|---|---|---|
| **46 11 G0** | 047896 | 140 | | black atramentized | polished | plastic coated | 1.5 – 4.0 | 0,9 | 87 |
| **46 11 G1** | 031062 | 140 | | | | | 4.0 – 7.0 | 1,3 | 85 |
| **46 11 G2** | 031079 | 140 | | | | | 5.0 – 13.0 | 1,3 | 85 |
| **46 11 G3** | 031086 | 140 | | black atramentized | polished | plastic coated | 14.0 – 18.0 | 1,3 | 86 |
| **46 11 G4** | 031093 | 180 | | | | | 20.0 – 30.0 | 1,8 | 134 |

# Set of Circlip Pliers

## Compactly packed: four-piece circlip plier sets in practical roll-up bag

> Tool roll made of hard-wearing polyester fabric
> With practical, adjustable quick release fastener
> Dimensions, open (L x H): 315 x 275 mm



**00 19 56**



**00 19 57**



**00 19 56 V01**



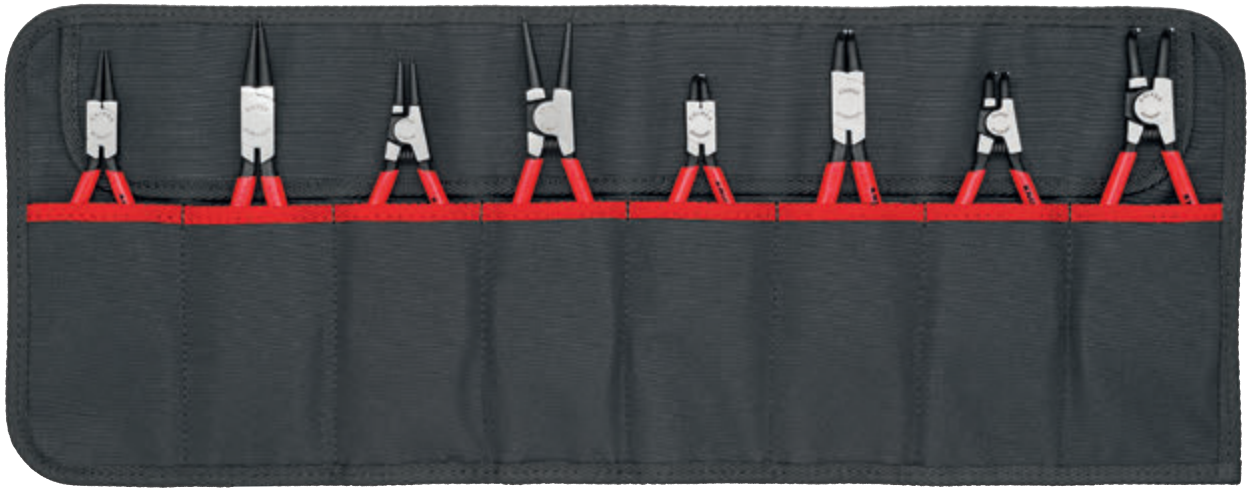
**00 19 57 V01**

| Article No. | EAN 4003773- | | | | Style | Capacity Ø mm | Tips Ø mm | Number | ⚖ g |
|---|---|---|---|---|---|---|---|---|---|
| **00 19 56** | 030973 | | Circlip Pliers Set, 4 parts | | | | | | 670 |
| | | | 44 11 J2 | Circlip Pliers for internal circlips in bore holes | straight tips | 19 – 60 | 1.8 | 1 | |
| | | 90° | 44 21 J21 | | angled tips | 19 – 60 | 1.8 | 1 | |
| | | | 46 11 A2 | Circlip Pliers for external circlips on shafts | straight tips | 19 – 60 | 1.8 | 1 | |
| | | 90° | 46 21 A21 | | angled tips | 19 – 60 | 1.8 | 1 | |
| **00 19 56 V01** | 081548 | | Circlip Pliers Set, 4 parts | | | | | | 615 |
| | | | 44 11 J1 | Circlip Pliers for internal circlips in bore holes | straight tips | 12 – 25 | 1.3 | 1 | |
| | | | 44 11 J2 | | | 19 – 60 | 1.8 | 1 | |
| | | | 46 11 A1 | Circlip Pliers for external circlips on shafts | | 10 – 25 | 1.3 | 1 | |
| | | | 46 11 A2 | | | 19 – 60 | 1.8 | 1 | |
| **00 19 57** | 050056 | | Precision Circlip Pliers Set, 4 parts | | | | | | 665 |
| | | | 48 11 J1 | Precision Circlip Pliers for internal circlips in bore holes | straight tips | 12 – 25 | 1.3 | 1 | |
| | | | 48 11 J2 | | | 19 – 60 | 1.8 | 1 | |
| | | | 49 11 A1 | Precision Circlip Pliers for external circlips on shafts | | 10 – 25 | 1.3 | 1 | |
| | | | 49 11 A2 | | | 19 – 60 | 1.8 | 1 | |
| **00 19 57 V01** | 081555 | | Precision Circlip Pliers Set, 4 parts | | | | | | 871 |
| | | | 48 11 J2 | Precision Circlip Pliers for internal circlips in bore holes | straight tips | 19 – 60 | 1.3 | 1 | |
| | | 90° | 48 21 J21 | | bent tips | 19 – 60 | 1.8 | 1 | |
| | | | 49 11 A2 | Precision Circlip Pliers for external circlips on shafts | straight tips | 19 – 60 | 1.3 | 1 | |
| | | 90° | 49 21 A21 | | bent tips | 19 – 60 | 1.8 | 1 | |
| **00 19 56 LE** | 035954 | | Tool Roll, empty, 4 compartments | | | | | | 171 |

# Set of Circlip Pliers

## Handy storage: eight-piece range in space-saving roll-up bag

> Tool roll made of hard-wearing polyester fabric
> With practical, adjustable quick release fastener
> Dimensions, open (L x H): 610 x 240 mm



**00 19 58 V01**




**00 19 58 V02**

| Article No. | EAN 4003773- | | | | Style | Capacity Ø mm | Tips Ø mm | Number | ⚖ g |
|---|---|---|---|---|---|---|---|---|---|
| **00 19 58 V01** | 081562 | | Circlip Pliers Set, 8 parts | | | | | | 1156 |
| | | | 44 11 J1 | Circlip Pliers for internal circlips in bore holes | straight tips | 12 – 25 | 1.3 | 1 | |
| | | | 44 11 J2 | | | 19 – 60 | 1.8 | 1 | |
| | | 90° | 44 21 J11 | | angled tips | 12 – 25 | 1.3 | 1 | |
| | | 90° | 44 21 J21 | | | 19 – 60 | 1.8 | 1 | |
| | | | 46 11 A1 | Circlip Pliers for external circlips on shafts | straight tips | 10 – 25 | 1.3 | 1 | |
| | | | 46 11 A2 | | | 19 – 60 | 1.8 | 1 | |
| | | 90° | 46 21 A11 | | angled tips | 10 – 25 | 1.3 | 1 | |
| | | 90° | 46 21 A21 | | | 19 – 60 | 1.8 | 1 | |
| **00 19 58 V02** | 081579 | | Precision Circlip Pliers Set, 8 parts | | | | | | 1357 |
| | | | 48 11 J1 | Precision Circlip Pliers for internal circlips in bore holes | straight tips | 12 – 25 | 1.3 | 1 | |
| | | | 48 11 J2 | | | 19 – 60 | 1.8 | 1 | |
| | | 90° | 48 21 J11 | | angled tips | 12 – 25 | 1.3 | 1 | |
| | | 90° | 48 21 J21 | | | 19 – 60 | 1.8 | 1 | |
| | | | 49 11 A1 | Precision Circlip Pliers for external circlips on shafts | straight tips | 10 – 25 | 1.3 | 1 | |
| | | | 49 11 A2 | | | 19 – 60 | 1.8 | 1 | |
| | | 90° | 49 21 A11 | | angled tips | 10 – 25 | 1.3 | 1 | |
| | | 90° | 49 21 A21 | | | 19 – 60 | 1.8 | 1 | |
| **00 19 58 LE** | 081920 | | Tool Roll, empty, 8 compartments | | | | | | 281 |

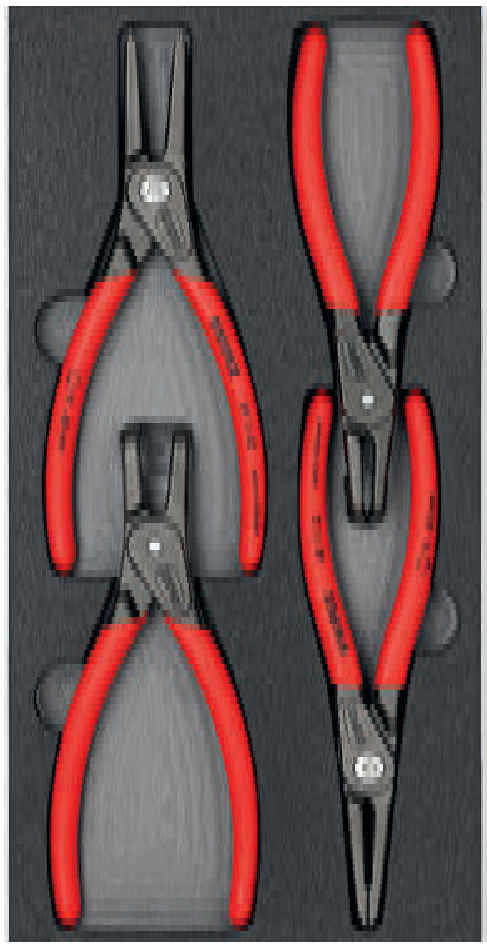
# Pliers Sets

## Ideally stored and versatile: pliers sets in matching foam insert for workbench and workshop trolley

> In a foam tray for workbenches and tool trolleys
> Clearly organised storage of tools
> Precisely-sized recesses for holding the pliers
> Foam tray dimensions (W x H x D): 335 x 165 x 33 mm
> Material: two colour, closed pore foam



**00 20 01 V02** Pliers Set “SRZ“



**00 20 01 V09** Pliers Set “SRZ II“

| Article No. | EAN 4003773- | | | | Number | g |
|---|---|---|---|---|---|---|
| **00 20 01 V02** | 069652 | | Pliers Set “SRZ“, six precision circlip pliers in a foam tray | | | 915 |
| | | | 48 11 J1 | Precision Circlip Pliers for internal circlips in bore holes | 1 | |
| | | | 48 11 J2 | | 1 | |
| | | 90° | 48 21 J21 | | 1 | |
| | | | 49 11 A1 | Precision Circlip Pliers for external circlips on shafts | 1 | |
| | | | 49 11 A2 | | 1 | |
| | | 90° | 49 21 A21 | | 1 | |
| **00 20 01 V09** | 073291 | | Pliers Set “SRZ II“, four precision circlip pliers in a foam tray | | | 820 |
| | | | 48 11 J2 | Precision Circlip Pliers for internal circlips in bore holes | 1 | |
| | | 90° | 48 21 J21 | | 1 | |
| | | | 49 11 A2 | Precision Circlip Pliers for external circlips on shafts | 1 | |
| | | 90° | 49 21 A21 | | 1 | |

# Precision Circlip Pliers Set

> Attractive sales packaging with Euro standard perforation
> Contains common Precision Circlip Pliers for highest requirements
> Sturdy plastic packaging, also suitable for storage of the pliers



00 20 03 SB



00 20 04 SB

| Article No. | EAN 4003773- | | | | Style | Capacity Ø mm | Tips Ø mm | Quantity | g |
|---|---|---|---|---|---|---|---|---|---|
| **00 20 03 SB** | 050100 | | Precision Circlip Pliers Set, 4 parts | | | | | | 685 |
| | | | 48 11 J1 | Precision Circlip Pliers, for internal circlips in bore holes | straight tips | 12 – 25 | 1.3 | 1 | |
| | | | 48 11 J2 | | | 19 – 60 | 1.8 | 1 | |
| | | | 49 11 A1 | Precision Circlip Pliers, for external circlips on shafts | | 10 – 25 | 1.3 | 1 | |
| | | | 49 11 A2 | | | 19 – 60 | 1.8 | 1 | |
| **00 20 04 SB** | 062417 | | Precision Circlip Pliers Set, 8 parts | | | | | | 1275 |
| | | | 48 11 J1 | Precision Circlip Pliers, for internal circlips in bore holes | straight tips | 12 – 25 | 1.3 | 1 | |
| | | | 48 11 J2 | | | 19 – 60 | 1.8 | 1 | |
| | | | 49 11 A1 | Precision Circlip Pliers, for external circlips on shafts | | 10 – 25 | 1.3 | 1 | |
| | | | 49 11 A2 | | | 19 – 60 | 1.8 | 1 | |
| | | | 48 21 J11 | Precision Circlip Pliers, for internal circlips in bore holes | angled tips | 12 – 25 | 1.3 | 1 | |
| | | | 48 21 J21 | | | 19 – 60 | 1.8 | 1 | |
| | | | 49 21 A11 | Precision Circlip Pliers, for external circlips on shafts | | 12 – 25 | 1.3 | 1 | |
| | | | 49 21 A21 | | | 19 – 60 | 1.8 | 1 | |

# Set of Circlip Pliers

> Attractive sales packaging with Euro standard perforation
> Contains common Circlip Pliers for internal and external circlips
> Sturdy plastic packaging, also suitable for storage of the pliers



00 20 03 V02



00 20 04 V01

| Article No. | EAN 4003773- | | | | Style | Capacity Ø mm | Tips Ø mm | Quantity | g |
|---|---|---|---|---|---|---|---|---|---|
| **00 20 03 V02** | 077640 | | Set of Circlip Pliers, 4 parts | | | | | | 450 |
| | | | 44 11 J1 | Circlip Pliers, for internal circlips in bore holes | straight tips | 12 – 25 | 1.3 | 1 | |
| | | | 44 11 J2 | | | 19 – 60 | 1.8 | 1 | |
| | | | 46 11 A1 | Circlip Pliers, for external circlips on shafts | | 10 – 25 | 1.3 | 1 | |
| | | | 46 11 A2 | | | 19 – 60 | 1.8 | 1 | |
| **00 20 04 V01** | 077633 | | Set of Circlip Pliers, 8 parts | | | | | | 890 |
| | | | 44 11 J1 | Circlip Pliers, for internal circlips in bore holes | straight tips | 12 – 25 | 1.3 | 1 | |
| | | | 44 11 J2 | | | 19 – 60 | 1.8 | 1 | |
| | | | 46 11 A1 | Circlip Pliers, for external circlips on shafts | | 10 – 25 | 1.3 | 1 | |
| | | | 46 11 A2 | | | 19 – 60 | 1.8 | 1 | |
| | | | 44 21 J11 | Circlip Pliers, for internal circlips in bore holes | angled tips | 12 – 25 | 1.3 | 1 | |
| | | | 44 21 J21 | | | 19 – 60 | 1.8 | 1 | |
| | | | 46 21 A11 | Circlip Pliers, for external circlips on shafts | | 10 – 25 | 1.3 | 1 | |
| | | | 46 21 A21 | | | 19 – 60 | 1.8 | 1 | |

# Tool Box “SRZ” Precision Circlip Pliers

## Well fixed, safely transported: Extensive range in handy case

> High-quality, impact-resistant plastic case
> Contains common Precision Circlip Pliers for highest requirements
> Precisely-sized recesses for holding the pliers
> Clearly organised storage of tools
> Dimensions, exterior (W x H x D): 260 x 80 x 210 mm



| Article No. | EAN 4003773- | | | | Style | Capacity Ø mm | Tips Ø mm | Number | ⚖ g |
|---|---|---|---|---|---|---|---|---|---|
| **00 21 25** | 050131 | | Tool Box “SRZ“, Precision Circlip Pliers, 8 parts | | | | | | 1635 |
| | | | 48 11 J1 | Precision Circlip Pliers for internal circlips in bore holes | straight tips | 12 – 25 | 1.3 | 1 | |
| | | | 48 11 J2 | | | 19 – 60 | 1.8 | 1 | |
| | | | 49 11 A1 | Precision Circlip Pliers for external circlips on shafts | | 10 – 25 | 1.3 | 1 | |
| | | | 49 11 A2 | | | 19 – 60 | 1.8 | 1 | |
| | | | 48 21 J11 | Precision Circlip Pliers for external circlips on shafts | angled tips | 12 – 25 | 1.3 | 1 | |
| | | | 48 21 J21 | | | 19 – 60 | 1.8 | 1 | |
| | | | 49 21 A11 | Precision Circlip Pliers for external circlips on shafts | | 10 – 25 | 1.3 | 1 | |
| | | | 49 21 A21 | | | 19 – 60 | 1.8 | 1 | |








# Carpenters‘ Pincers and Concreters‘ Nippers

| | |
|---|---|
| Carpenters' Pincers | 72 |
| Hammerhead Style Carpenters' Pincers | 72 |
| Farriers' Pincers (Tear-off Pliers for vehicle bodywork) | 73 |
| Potters' Pincers (Brick Pincers) | 73 |
| End Cutting Nippers | 73 |
| Concreters' Nippers (Tower Pincers, Steel Fixers' Nippers) | 74 |
| High Leverage Concreters' Nippers | 75 |

# Carpenters' Pincers

> For heavy duty
> Specially favoured by craftsmen for their precise workmanship
> Extreme wear resistance and well balanced
> Cutting edge hardness approx. 60 HRC
> Special tool steel, forged, oil-hardened
> DIN ISO 9243







**50 00 160**



**50 00 210**



**50 00 160**

| Article No. | EAN 4003773- | ↔ mm | | Pliers | Head | Handles | Cutting capacities ◑ Ø mm | ⚖ g |
|---|---|---|---|---|---|---|---|---|
| **50 00 160** | 023111 | 160 | | | | | 1.8 | 225 |
| **50 00 180** | 021940 | 180 | | | | | 2.0 | 320 |
| **50 00 210** | 021957 | 210 | | | | | 2.2 | 425 |
| **50 00 225** | 021964 | 225 | | black atramentized | polished | | 2.2 | 440 |
| **50 00 250** | 022930 | 250 | | | | | 2.2 | 570 |
| **50 00 300** | 039662 | 300 | | | | | 2.4 | 862 |
| **50 01 160** | 035275 | 160 | | | | | 1.8 | 235 |
| **50 01 180** | 035282 | 180 | | | | | 2.0 | 330 |
| **50 01 210** | 035299 | 210 | | | | | 2.2 | 445 |
| **50 01 225** | 035305 | 225 | | black atramentized | polished | plastic coated | 2.2 | 465 |
| **50 01 250** | 035312 | 250 | | | | | 2.2 | 595 |
| **50 01 300** | 016915 | 300 | | | | | 2.4 | 903 |

# Hammerhead Style Carpenters' Pincers

> With striking face to hammer down nails
> Cutting edge hardness approx. 60 HRC
> Special tool steel, forged, oil-hardened
> DIN ISO 9243




**51 01 210**




Multi-functional: driving in and pulling nails

| Article No. | EAN 4003773- | ↔ mm | | Pliers | Head | Handles | Cutting capacities ◑ Ø mm | ⚖ g |
|---|---|---|---|---|---|---|---|---|
| **51 01 210** | 023104 | 210 | | black atramentized | polished | plastic coated | 2.2 | 413 |

# Farriers' Pincers

## Tear-off Pliers for vehicle bodywork

> The ideal pliers for the farrier
> With small head and anvil for redirecting horseshoe-nails
> Also suitable for dismantling work in vehicle body workshops
> Cutting edges additionally hardened; cutting edge hardness approx. 59 HRC
> Special tool steel, forged, multi stage oil-hardened



**55 00 300**





| Article No. | EAN 4003773- | ↔ mm | | Pliers | Head | Head width mm | ⚖ g |
|---|---|---|---|---|---|---|---|
| **55 00 300** | 039402 | 300 | | black atramentized | polished | 20 | 780 |

# Potters' Pincers

## Brick Pincers

> For pottery work
> With wire cutter for soft wire
> Cutting edges additionally hardened; cutting edge hardness approx. 59 HRC
> Special tool steel, forged, multi stage oil-hardened



**58 30 225**

| Article No. | EAN 4003773- | ↔ mm | | Pliers | Head | Head width mm | ⚖ g |
|---|---|---|---|---|---|---|---|
| **58 30 225** | 014331 | 225 | | black atramentized | polished | 20 | 347 |

# End Cutting Nippers

▸ The head shape provides optimised movement when tightening steel mesh knots during reinforced concrete work

> With cutting edges for soft and hard wire
> Also suitable for twisting and cutting binding wire
> Cutting edges additionally hardened; cutting edge hardness approx. 61 HRC
> High-grade special tool steel, forged, multi stage oil-hardened



**68 01 280**



| Article No. | EAN 4003773- | ↔ mm | | Pliers | Head | Handles | Cutting capacities ◔ Ø mm | ◑ Ø mm | ◕ Ø mm | ⚖ g |
|---|---|---|---|---|---|---|---|---|---|---|
| **68 01 160** | 013792 | 160 | | black atramentized | polished | plastic coated | 4.0 | 2.8 | 2.3 | 202 |
| **68 01 180** | 013808 | 180 | | | | | 4.0 | 3.2 | 2.5 | 284 |
| **68 01 200** | 013815 | 200 | | | | | 4.0 | 3.5 | 2.8 | 319 |
| **68 01 280** | 077664 | 280 | | | | | 4.5 | 4.0 | 3.2 | 465 |

# Concreters' Nippers

## Tower Pincers, Steel Fixers' Nippers

> To twist and cut wire in one operation: fast, reliable and economical
> Cutting edges additionally hardened; cutting edge hardness approx. 61 HRC
> High-grade special tool steel, forged, multi stage oil-hardened
> DIN ISO 9242

**99 00 220 K12**
> With 12 mm head, particularly suitable for tile paving work



**99 00 280**



**99 00 220 K12**



**99 01 220**



**99 04 280**






| Article No. | EAN 4003773- | ↔ mm | | Pliers | Head | Handles | Cutting capacities ◑ Ø mm | Cutting capacities ◕ Ø mm | ⚖ g |
|---|---|---|---|---|---|---|---|---|---|
| **99 00 200** | 014393 | 200 | | | | | 1.8 | 1.4 | 230 |
| **99 00 220** | 013273 | 220 | | | | | 2.4 | 1.6 | 315 |
| **99 00 250** | 013280 | 250 | | black atramentized | polished | | 2.4 | 1.6 | 405 |
| **99 00 280** | 014096 | 280 | | | | | 2.8 | 1.8 | 455 |
| **99 00 300** | 014409 | 300 | | | | | 3.1 | 1.8 | 510 |
| **99 00 220 K12** | 027812 | 220 | | black atramentized | polished | | 2.4 | 1.6 | 315 |
| **99 01 200** | 021452 | 200 | | | | | 1.8 | 1.4 | 247 |
| **99 01 220** | 021469 | 220 | | | | | 2.4 | 1.6 | 334 |
| **99 01 250** | 021483 | 250 | | black atramentized | polished | plastic coated | 2.4 | 1.6 | 429 |
| **99 01 280** | 021490 | 280 | | | | | 2.8 | 1.8 | 480 |
| **99 01 300** | 014416 | 300 | | | | | 3.1 | 1.8 | 548 |
| **99 04 220** | 048398 | 220 | | | | | 2.4 | 1.6 | 315 |
| **99 04 250** | 048213 | 250 | | bright zinc plated | | | 2.4 | 1.6 | 405 |
| **99 04 280** | 048220 | 280 | | | | | 2.8 | 1.8 | 455 |

# High Leverage Concreters' Nippers

## high lever transmission

- 25 % less effort required compared to conventional concreters' nippers of the same size
- Extra-slim form for tying deep mounted steel rods

> To lace concrete reinforcing steel with binding wire from a roll
> Wire is twisted and cut in a single pass
> High-leverage joint, minimising strain, even when thick binding wires are used
> The high damping of the cutting stroke on cutting through the binding wire reduces the strain on tendons and muscles
> Cutting edges additionally hardened; cutting edge hardness approx. 61 HRC
> High-grade special tool steel, forged, multi stage oil-hardened
> DIN ISO 9242



**99 10 250**



**99 10 300**



**99 11 250**



**99 14 250**





| Article No. | EAN 4003773- | ↔ mm | | Pliers | Head | Handles | Cutting capacities ◑ Ø mm | Cutting capacities ◕ Ø mm | Head width Ø mm | ⚖ g |
|---|---|---|---|---|---|---|---|---|---|---|
| **99 10 250** | 071396 | 250 | | black atramentized | polished | | 3.3 | 1.8 | 25 | 350 |
| **99 10 300** | 022398 | 300 | | | | | 3.8 | 2.0 | 25 | 501 |
| **99 11 250** | 071402 | 250 | | black atramentized | polished | plastic coated | 3.3 | 1.8 | 25 | 350 |
| **99 11 300** | 042365 | 300 | | | | | 3.8 | 2.0 | 25 | 537 |
| **99 14 250** | 071419 | 250 | | bright zinc plated | | | 3.3 | 1.8 | 25 | 350 |
| **99 14 300** | 028116 | 300 | | | | | 3.8 | 2.0 | 25 | 505 |

# Cutting Pliers



| | |
|---|---|
| Diagonal Cutters for plastics | 78 |
| High Leverage Flush Cutter | 79 |
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# Diagonal Cutters for plastics

> Cutting face flush
> For nearly flush cutting of moulded plastic components from sprues
> Cuts soft materials such as lead in a flush cut
> With opening spring
> Vanadium electric steel; forged, oil-hardened












72 01 160




72 02 125




72 11 160




72 21 160

| Article No. | EAN 4003773- | ↔ mm | | Head | Handles | ⚖ g |
|---|---|---|---|---|---|---|
| **72 01 140** | 043713 | 140 | | polished | plastic coated | 120 |
| **72 01 160** | 041245 | 160 | | | | 164 |
| **72 01 180** | 046837 | 180 | | | | 193 |
| **72 02 125** | 044215 | 125 | | polished | with multi-component grips | 109 |
| **72 11 160** | 046813 | 160 | 45° | polished | plastic coated | 156 |
| **72 21 160** | 046820 | 160 | 85° | polished | plastic coated | 165 |
| **72 09 01** | 053415 | Pressure spring for 72 01 | | | | |

# High Leverage Flush Cutter

## for soft metal and plastic

> For the flush cutting of soft materials, e.g. plastic, aluminium, copper, lead
> Permits the energy-saving cutting of thick work components made of soft metal and plastic
> 20° angled head with single-sided joint bar and diagonal cutting edge for flush cutting; with space for gripping
> Opening spring and locking device are integrated in the handles also for comfortable work and protected transport
> Precision cutting edges for soft material
> Cutting edges additionally hardened; cutting edge hardness approx. 59 HRC
> Chrome vanadium electric steel, forged, multi stage oil-hardened



**72 62 200**





Clean, flush cutting of copper conductor rails



Ideal for the flush cutting plastic sprues with large diameters

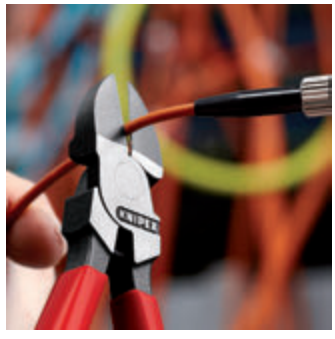
| Article No. | EAN 4003773- | ↔ mm | | Pliers | Handles | Cutting capacities ◔ Ø mm | ⚖ g |
|---|---|---|---|---|---|---|---|
| **72 62 200** | 081913 | 200 | | black atramentized | with slim multi-component grips | 6.0 | 375 |

# Diagonal Cutter for fibre optics

> Specially developed for cutting fibre optics (glass fibre cables)
> Cutting face flush
> Cutting edges additionally induction-hardened, cutting edge hardness approx. 63 HRC
> With opening spring
> Vanadium electric steel, forged, multi stage oil-hardened




**72 51 160**



| Article No. | EAN 4003773- | ↔ mm | | Head | Handles | ⚖ g |
|---|---|---|---|---|---|---|
| **72 51 160** | 028031 | 160 | | polished | plastic coated | 166 |

## KNIPEX WORLD OF DIAGONAL CUTTERS

With four tailor-made diagonal cutters, KNIPEX provides solutions for every application. An extraordinary variety ensures an excellent response from the "KNIPEX World of diagonal cutters" to whatsoever specification.

**KNIPEX-Diagonal Cutter**
The classic model. The indispensable cutting tool for versatile use.

**KNIPEX-High Leverage Diagonal Cutter**
The robust. For very tough, continuous use.

**KNIPEX X-Cut**
The all-rounder. Compact and light. Powerful and precise.

**KNIPEX TwinForce**
The superior model. For comfortable cutting, repetitive cutting or extremely hard cutting jobs.

### KNIPEX TwinForce




The reapplying cutter

Double-hinged design
Hand force is multiplied by 39

### Diagonal Cutter




Long cutting edges for cutting cable; also precise enough for the finest stranded wires
Hand force is multiplied by 12

### High Leverage Diagonal Cutter




Forged on hinged joint for robust use
Hand force is multiplied by 13

### KNIPEX X-Cut




Box joint:
greatest stability with little weight
Hand force is multiplied by 16

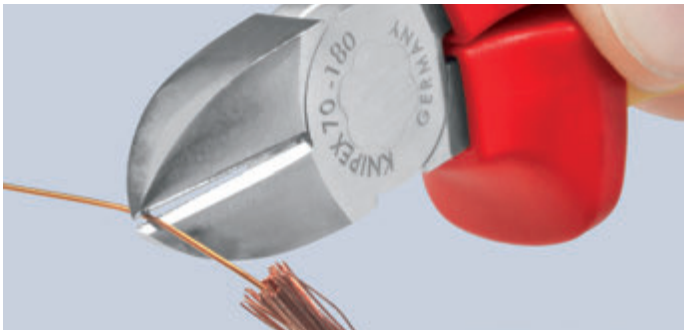



70-140
MADE IN GERMANY
KNIPEX

# Diagonal Cutters

> 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 electric steel, forged, multi stage oil-hardened
> DIN ISO 5749

**70 05 160 T / 70 05 180 T / 70 06 160 T / 70 06 180 T***
> Pliers with tether attachment point for mounting a fall protection

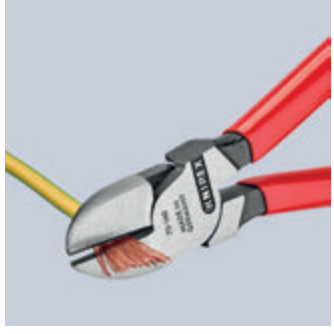


Clean cutting of thin copper wires, also at the cutting edge tips

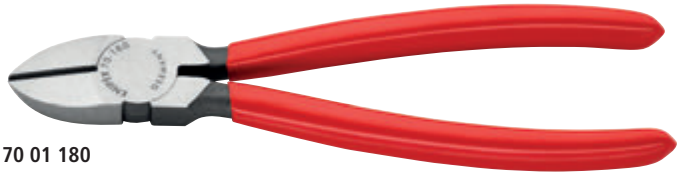









**70 01 160**


**70 01 180**



**70 02 180**



**70 05 180**



**70 05 180 T**



**70 06 180**



**70 07 180**



**70 15 110**



*Other tools with tethering can be found from page 272




| Article No. | EAN 4003773- | ↔ mm | | Pliers | Head | Handles | Cutting capacities Ø mm | Ø mm | Ø mm | g |
|---|---|---|---|---|---|---|---|---|---|---|
| **70 01 110** | 014324 | 110 | | black atramentized | polished | plastic coated | 3.0 | 2.0 | 1.2 | 80 |
| **70 01 125** | 013402 | 125 | | | | | 3.0 | 2.3 | 1.5 | 80 |
| **70 01 140** | 013419 | 140 | | | | | 4.0 | 2.5 | 1.8 | 126 |
| **70 01 180** | 018070 | 180 | | | | | 4.0 | 3.0 | 2.5 | 200 |
| **70 01 160** | 013426 | 160 | | black atramentized | polished | plastic coated | 4.0 | 3.0 | 2.0 | 171 |
| **70 02 125** | 034025 | 125 | | black atramentized | polished | with multi-component grips | 3.0 | 2.3 | 1.5 | 119 |
| **70 02 140** | 023098 | 140 | | | | | 4.0 | 2.5 | 1.8 | 150 |
| **70 02 180** | 034049 | 180 | | | | | 4.0 | 3.0 | 2.5 | 252 |
| **70 02 160** | 034032 | 160 | | black atramentized | polished | with multi-component grips | 4.0 | 3.0 | 2.0 | 206 |
| **70 05 125** | 039501 | 125 | | chrome plated | chrome plated | with multi-component grips | 3.0 | 2.3 | 1.5 | 119 |
| **70 05 140** | 039488 | 140 | | | | | 4.0 | 2.5 | 1.8 | 154 |
| **70 05 180** | 043706 | 180 | | | | | 4.0 | 3.0 | 2.5 | 246 |
| **70 05 160** | 039600 | 160 | | chrome plated | chrome plated | with multi-component grips | 4.0 | 3.0 | 2.0 | 207 |
| **70 05 180 T** | 080039 | 180 | | chrome plated | chrome plated | with multi-component grips and integrated tether attachment point | 4.0 | 3.0 | 2.5 | 258 |
| **70 05 160 T** | 080022 | 160 | | chrome plated | chrome plated | with multi-component grips and integrated tether attachment point | 4.0 | 3.0 | 2.0 | 210 |
| **70 06 125** | 018124 | 125 | 1000 V | chrome plated | chrome plated | insulated with multi-component grips, VDE-tested | 3.0 | 2.3 | 1.5 | 121 |
| **70 06 140** | 040293 | 140 | 1000 V | | | | 4.0 | 2.5 | 1.8 | 160 |
| **70 06 180** | 033813 | 180 | 1000 V | | | | 4.0 | 3.0 | 2.5 | 254 |
| **70 06 180 T** | 081470 | 180 | 1000 V | chrome plated | chrome plated | insulated with multi-component grips with integrated insulated tether attachment point, VDE tested | 4.0 | 3.0 | 2.5 | 270 |
| **70 06 160** | 021995 | 160 | 1000 V | chrome plated | chrome plated | insulated with multi-component grips, VDE-tested | 4.0 | 3.0 | 2.0 | 216 |
| **70 06 160 T** | 081463 | 160 | 1000 V | chrome plated | chrome plated | insulated with multi-component grips with integrated insulated tether attachment point, VDE tested | 4.0 | 3.0 | 2.0 | 230 |
| **70 07 180** | 018179 | 180 | 1000 V | chrome plated | chrome plated | with dipped insulation, VDE-tested | 4.0 | 3.0 | 2.5 | 269 |
| **70 07 160** | 018155 | 160 | 1000 V | chrome plated | chrome plated | with dipped insulation, VDE-tested | 4.0 | 3.0 | 2.0 | 227 |
| **70 11 110** | 018193 | 110 | | black atramentized | polished | plastic coated | 3.0 | 2.0 | 1.2 | 91 |
| **70 15 110** | 029649 | 110 | | chrome plated | chrome plated | with multi-component grips | 3.0 | 2.0 | 1.2 | 98 |
| **70 26 160** | 018223 | 160 | 1000 V | chrome plated | chrome plated | insulated with multi-component grips, VDE-tested | 4.0 | | | 216 |

# Diagonal Cutter

## for electromechanics

> With sharp, precisely aligned cutting edges
> Cutting edges additionally induction-hardened, cutting edge hardness approx. 63 HRC
> Lap joint
> Vanadium electric steel, forged, multi stage oil-hardened
> DIN ISO 5749

**76 12 125**
> Low-friction double spring for gentle and even opening

**76 22 125**
> Low-friction double spring for gentle and even opening; without bevel for flush cutting of soft wires

**76 81 125**
> Particularly tapered head with small bevel for work in confined areas (cable harnesses, multiple stranded wires)



76 01 125



76 03 125



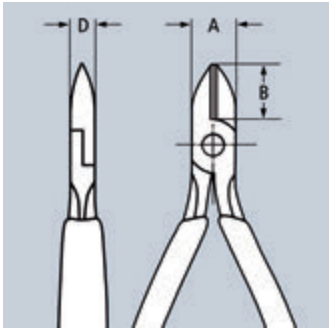

76 05 125




76 12 125



76 81 125




| Article No. | EAN 4003773- | ↔ mm | | Pliers | Head | Handles | Cutting capacities ◔ Ø mm | ◑ Ø mm | ◕ Ø mm | ● Ø mm | Dimensions A Ø mm | B Ø mm | D Ø mm | ⚖ g |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **76 01 125** | 044482 | 125 | | black atramentized | polished | plastic coated | 0.4 - 3.0 | 2.3 | 1.5 | 0.6 | 14.5 | 16.0 | 9.0 | 85 |
| **76 03 125** | 048923 | 125 | | chrome plated | chrome plated | plastic coated | 0.4 - 3.0 | 2.3 | 1.5 | 0.6 | 14.5 | 16.0 | 9.0 | 85 |
| **76 05 125** | 005315 | 125 | | chrome plated | chrome plated | with multi-component grips | 0.4 - 3.0 | 2.3 | 1.5 | 0.6 | 14.5 | 16.0 | 9.0 | 118 |
| **76 12 125** | 048015 | 125 | | black atramentized | polished | with multi-component grips | 0.4 - 3.0 | 2.3 | 1.5 | 0.6 | 14.5 | 16.0 | 9.0 | 112 |
| **76 22 125** | 048022 | 125 | | black atramentized | polished | with multi-component grips | 0.4 - 2.5 | | | | 14.5 | 16.0 | 9.0 | 107 |
| **76 81 125** | 040644 | 125 | | black atramentized | polished | plastic coated | 0.4 - 1.7 | 1.3 | 0.8 | | 14.5 | 16.0 | 9.0 | 85 |

# KNIPEX X-Cut

PATENTED

## Compact Diagonal Cutters high lever transmission

- Cuts finest strands as well as multi-core cables and piano wires
- Powerful, light and universal

> High cutting performance with minimum effort due to optimum co-ordination of the cutting edge angle and transmission ratio
> Box-joint design: highest stability with low weight
> Doubly supported joint axis for heavy duty
> 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
> Precision cutting edges additionally induction-hardened, cutting edge hardness approx. 62 HRC
> DIN ISO 5749

**73 05 160 T / 73 06 160 T***
> Pliers with tether attachment point for mounting a fall protection




**73 02 160**




**73 05 160**




**73 05 160 T**

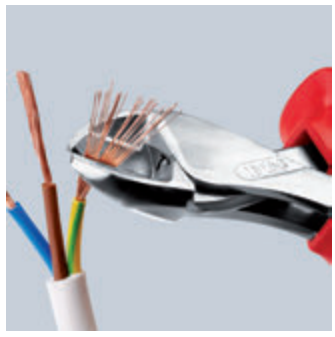



**73 06 160**

## 40 % less effort

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







Box-joint design: highest stability with low weight

| Article No. | EAN 4003773- | ↔ mm | | Pliers | Head | Handles | Cutting capacities ◔ Ø mm | ◑ Ø mm | ◕ Ø mm | ● Ø mm | Ø mm | ⚖ g |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **73 02 160** | 075127 | 160 | | black atramentized | polished | with multi-component grips | 4.8 | 3.8 | 2.7 | 2.2 | 12.0 | 175 |
| **73 05 160** | 075134 | 160 | | chrome plated | chrome plated | with multi-component grips | 4.8 | 3.8 | 2.7 | 2.2 | 12.0 | 175 |
| **73 05 160 T** | 080077 | 160 | | chrome plated | chrome plated | with multi-component grips and integrated tether attachment point | 4.8 | 3.8 | 2.7 | 2.2 | 12.0 | 180 |
| **73 06 160** | 075141 | 160 | 1000 V | chrome plated | chrome plated | insulated with multi-component grips, VDE-tested | 4.8 | 3.8 | 2.7 | 2.2 | 12.0 | 175 |
| **73 06 160 T** | 081487 | 160 | 1000 V | chrome plated | chrome plated | insulated with multi-component grips with integrated insulated tether attachment point, VDE tested | 4.8 | 3.8 | 2.7 | 2.2 | 12.0 | 185 |

*Other tools with tethering can be found from page 272

# High Leverage Diagonal Cutters

> For very tough, continuous use
> 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), for all sorts of wire including piano wire
> Chrome vanadium heavy-duty steel, forged, multi stage oil-hardened
> DIN ISO 5749

**Style 1**
> With opening spring; to be activated if required

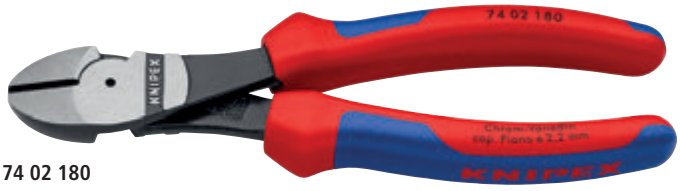
**Style 2**
> 12° angled head offers clearance for gripping

**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

**74 02 200 / 74 02 250 / 74 06 250 T / 74 22 200 / 74 22 250 T***
> Pliers with tether attachment point for mounting a fall protection




74 01 200




74 02 180




74 02 200 T




74 05 180




74 06 200




74 06 200 T




74 07 200




74 12 180

**20 % less effort**
required compared to high-leverage diagonal cutters of the same length. With integrated forged joint axle.




74 12: just gentle sliding with your thumb will activate the opening spring




74 12: opening spring in deactivated position









*Other tools with tethering can be found from page 272



With integrated forged axle for heavy duty

| Article No. | EAN 4003773- | ↔ mm | | Style | Pliers | Head | Handles | Cutting capacities ◑ Ø mm | ◕ Ø mm | ● Ø mm | ⚖ g |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **74 01 140** | 039747 | 140 | | 0 | black atramentized | polished | plastic coated | 3.1 | 2.0 | 1.5 | 131 |
| **74 01 160** | 033141 | 160 | | 0 | | | | 3.4 | 2.5 | 2.0 | 178 |
| **74 01 180** | 022008 | 180 | | 0 | | | | 3.8 | 2.7 | 2.2 | 241 |
| **74 01 200** | 034056 | 200 | | 0 | | | | 4.2 | 3.0 | 2.5 | 263 |
| **74 01 250** | 034063 | 250 | | 0 | | | | 4.6 | 3.5 | 3.0 | 391 |
| **74 02 140** | 042419 | 140 | | 0 | black atramentized | polished | with multi-component grips | 3.1 | 2.0 | 1.5 | 157 |
| **74 02 160** | 023081 | 160 | | 0 | | | | 3.4 | 2.5 | 2.0 | 209 |
| **74 02 180** | 023074 | 180 | | 0 | | | | 3.8 | 2.7 | 2.2 | 273 |
| **74 02 200** | 040309 | 200 | | 0 | | | | 4.2 | 3.0 | 2.5 | 304 |
| **74 02 250** | 042402 | 250 | | 0 | | | | 4.6 | 3.5 | 3.0 | 437 |
| **74 02 200 T** | 080084 | 200 | | 0 | black atramentized | polished | with multi-component grips and integrated tether attachment point | 4.2 | 3.0 | 2.5 | 305 |
| **74 02 250 T** | 080091 | 250 | | 0 | | | | 4.6 | 3.5 | 3.0 | 460 |
| **74 05 140** | 039617 | 140 | | 0 | chrome plated | chrome plated | with multi-component grips | 3.1 | 2.0 | 1.5 | 157 |
| **74 05 160** | 022961 | 160 | | 0 | | | | 3.4 | 2.5 | 2.0 | 209 |
| **74 05 180** | 022978 | 180 | | 0 | | | | 3.8 | 2.7 | 2.2 | 270 |
| **74 05 200** | 035367 | 200 | | 0 | | | | 4.2 | 3.0 | 2.5 | 303 |
| **74 05 250** | 039754 | 250 | | 0 | | | | 4.6 | 3.5 | 3.0 | 440 |
| **74 06 160** | 040705 | 160 | | 0 | chrome plated | chrome plated | insulated with multi-component grips, VDE-tested | 3.4 | 2.5 | 2.0 | 215 |
| **74 06 180** | 022985 | 180 | 1000 V | 0 | | | | 3.8 | 2.7 | 2.2 | 280 |
| **74 06 200** | 033820 | 200 | | 0 | | | | 4.2 | 3.0 | 2.5 | 304 |
| **74 06 250** | 041955 | 250 | | 0 | | | | 4.6 | 3.5 | 3.0 | 453 |
| **74 06 200 T** | 081494 | 200 | 1000 V | 0 | chrome plated | chrome plated | insulated with multi-component grips with integrated insulated tether attachment point, VDE tested | 4.2 | 3.0 | 2.5 | 305 |
| **74 06 250 T** | 081500 | 250 | | 0 | | | | 4.6 | 3.5 | 3.0 | 465 |
| **74 07 200** | 018414 | 200 | 1000 V | 0 | chrome plated | chrome plated | with dipped insulation, VDE-tested | 4.2 | 3.0 | 2.5 | 328 |
| **74 07 250** | 018421 | 250 | | 0 | | | | 4.6 | 3.5 | 3.0 | 510 |
| **74 12 160** | 065111 | 160 | | 1 | black atramentized | polished | with multi-component grips | 3.4 | 2.5 | 2.0 | 209 |
| **74 12 180** | 060192 | 180 | | 1 | | | | 3.8 | 2.7 | 2.2 | 273 |
| **74 21 200** | 050483 | 200 | 12° | 2 | black atramentized | polished | plastic coated | 4.2 | 3.0 | 2.5 | 258 |
| **74 21 250** | 045021 | 250 | | 2 | | | | 4.6 | 3.5 | 3.0 | 390 |
| **74 22 200** | 051831 | 200 | 12° | 2 | black atramentized | polished | with multi-component grips | 4.2 | 3.0 | 2.5 | 300 |
| **74 22 250** | 071372 | 250 | | 2 | | | | 4.6 | 3.5 | 3.0 | 437 |
| **74 22 200 T** | 080107 | 200 | 12° | 2 | black atramentized | polished | with multi-component grips and integrated tether attachment point | 4.2 | 3.0 | 2.5 | 305 |
| **74 22 250 T** | 080114 | 250 | | 2 | | | | 4.6 | 3.5 | 3.0 | 460 |

# KNIPEX TwinForce

## High Performance Diagonal Cutters

▸ The superior High-Leverage Diagonal Cutter with patented double joint

> Ideal transmission of force due to double-hinged design
> Reliably cuts all types of wire, including steel tape
> For rough or very fine cutting
> Low cutting impact: gentle on hands. The tension on muscles and tendons is relieved
> For comfortable cutting, repetitive cutting or extremely hard cutting jobs
> High degree of stability and zero-backlash due to precisely milled forged-in axles
> Chrome vanadium heavy-duty steel, forged, multi stage oil-hardened
> Precision cutting edges additionally induction-hardened, cutting edge hardness approx. 63 – 64,5 HRC
> DIN ISO 5749



**73 71 180**



**73 72 180**



**73 72 180 F**

**73 72 180 F**
> With opening spring to simplify reapplication and for repetitive cutting



The high performance diagonal cutters with opening spring for easier reapplication and for heavy use



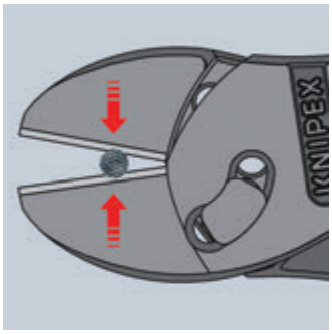
The opening spring can be easily activated and deactivated by a press of the thumb

**Cuts again 50 % easier than the tried and tested KNIPEX high leverage diagonal cutters**

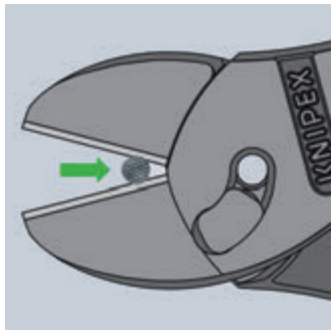
The option to reapply the tool. The KNIPEX TwinForce cuts even 4 mm thick wire without great effort when reapplied two or three times.

Conventional high leverage diagonal cutters either cannot cut these diameters or only with very great effort.

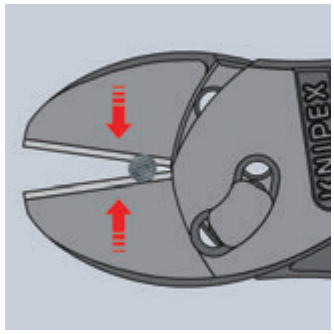
**KNIPEX TwinForce Reapplying**



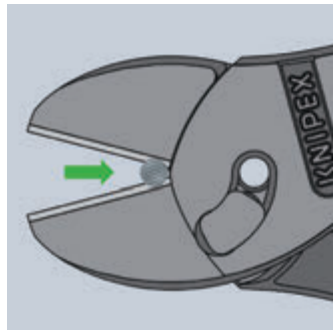
Insert the wires as close to the hinge as possible. In case of cutters with very high transmission, the width of the gap between the cutting edges close to the fulcrum may be less than the thickness of the wire. Wires may slip forward when the cutting starts.



First make a notch in the wire using the KNIPEX TwinForce until the required hand force increases considerably. Now open the pliers and slide the wire backwards towards the joint. Hold the cutting edge in the notches you have made in step 1.

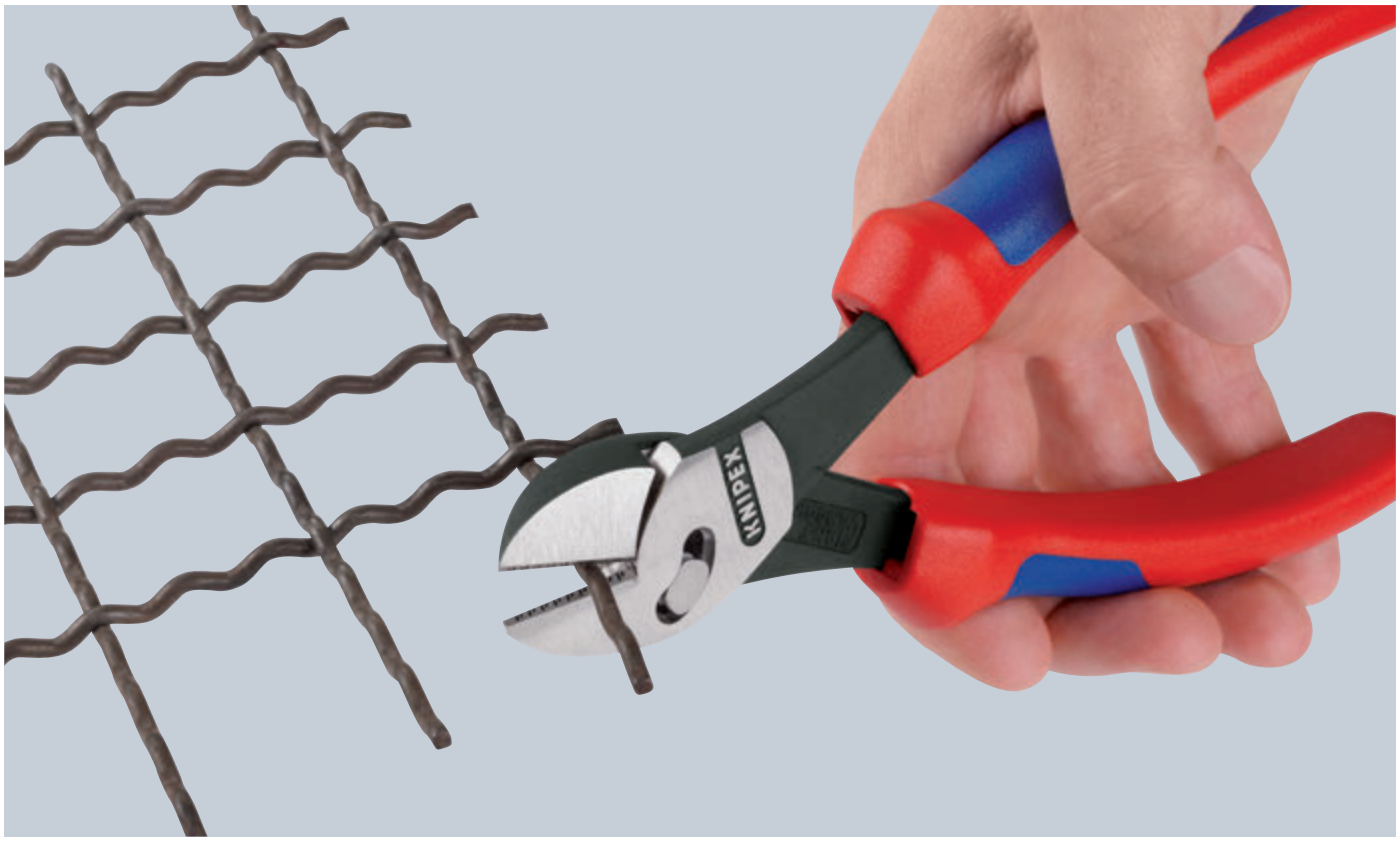


Continue cutting in the same location along the wire. Now cutting is much more easier because the wire remains in place closer to the fulcrum.



You can repeat this process if necessary.

| Article No. | EAN 4003773- | ↔ mm | | Pliers | Head | Handles | Cutting capacities ◔ Ø mm | ◑ Ø mm | ◕ Ø mm | ● Ø mm | ⚖ g |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **73 71 180** | 074762 | 180 | | black atramentized | polished | plastic coated | 5.5 | 4.6 | 3.2 | 3.0 | 255 |
| **73 72 180** | 074779 | 180 | | black atramentized | polished | with multi-component grips | 5.5 | 4.6 | 3.2 | 3.0 | 280 |
| **73 72 180 F** | 077657 | 180 | | black atramentized | polished | with multi-component grips | 5.5 | 4.6 | 3.2 | 3.0 | 280 |




# High Leverage Centre Cutters

> With integrated forged axle for heavy duty
> With precision cutting edges for soft, hard and piano wire
> Cuts thick wires with less effort than other diagonal cutters of the same length
> Centric precision cutting edges
> High cutting performance with minimum effort due to optimum co-ordination of the cutting edge angle and transmission ratio
> Cutting edges additionally induction-hardened, cutting edge hardness approx. 64 HRC
> Chrome vanadium heavy-duty steel, forged, multi stage oil-hardened



**74 91 250**





The cutting edges are in the centre of the cutter head

| Article No. | EAN 4003773- | ↔ mm | | Pliers | Head | Handles | Cutting capacities ◔ Ø mm | ◑ Ø mm | ◕ Ø mm | ● Ø mm | ⚖ g |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **74 91 250** | 034070 | 250 | ⋈ | black atramentized | polished | plastic coated | 5.0 | 5.0 | 3.8 | 3.5 | 395 |

KNIPEX CoBolt S

# Compact and powerful

In a handy length of 160 mm



# KNIPEX CoBolt S

## Compact Bolt Cutters

▸ Specially suitable for small hands

> Precision cutting edges for soft and hard wire as well as piano wire
> Cuts components such as bolts, nails, rivets etc. up to Ø 4.4 mm
> Extremely high cutting capacity with little effort required due to extremely effective joint design
> Cutting edges additionally induction-hardened, cutting edge hardness approx. 64 HRC
> The microstructure on cutters keeps the material to be cut in a good insertion position: makes optimal use of the mechanics
> With gripping surface below the joint for gripping and pulling wires from Ø 1.0 mm
> Chrome vanadium heavy-duty steel, forged, multi stage oil-hardened



71 01 160



71 31 160










Powerful through to the tips




Slim head for ideal accessibility




Compact, light and always to hand

| Article No. | EAN 4003773 | ↔ mm | | Pliers | Handles | Cutting capacities ◔ Ø mm | ◑ Ø mm | ◕ Ø mm | ● Ø mm | ⚖ g |
|---|---|---|---|---|---|---|---|---|---|---|
| **71 01 160** | 082668 | 160 | ⋈ | black atramentized | plastic coated | 5.3 | 4.4 | 3.2 | 3.0 | 200 |
| **71 31 160** | 084587 | 160 | ⋈ | black atramentized | plastic coated | 5.3 | 4.4 | 3.2 | 3.0 | 200 |

# KNIPEX CoBolt

## Compact Bolt Cutters

## Clever muscle man

> With precision cutting edges for soft, hard and piano wire
> Cuts bolts, nails, rivets, etc. up to 5.2 mm dia.
> Efficient joint design ensures exceptional cutting performance with little effort
> Cutting edges additionally induction-hardened, cutting edge hardness approx. 64 HRC
> Chrome vanadium heavy-duty steel, forged, multi stage oil-hardened
> DIN ISO 5743

CoBolt

**60 % less effort**

required compared to conventional high-leverage diagonal cutters. The ingenious lever-action mechanism ensures an extremely favourable lever ratio with very little friction. The cutting force is about 30 times higher than the hand force applied.

- Micro-structured cutting edge reduces slipping of the material from the jaws
- With gripping surface below the joint for gripping and pulling wires with a diameter as from 1 mm

**71 12 200**
opening spring and locking device are integrated in the handles also for comfortable work and protected transport

**71 02 200 T***
Pliers with tether attachment point for mounting a fall protection



Micro-structured cutting edge allows easy cutting of large cross-sections



With gripping surface below the joint for gripping and pulling wires with a diameter as from 1 mm



Opening spring and locking device are integrated in the handles also for comfortable work and protected transport



**71 01 200**



**71 02 200**



**71 02 200 T**



**71 12 200**

| Article No. | EAN 4003773- | ↔ mm | | Pliers | Handles | Cutting capacities ◔ Ø mm | ◑ Ø mm | ◕ Ø mm | ● Ø mm | ⚖ g |
|---|---|---|---|---|---|---|---|---|---|---|
| **71 01 200** | 033165 | 200 | | black atramentized | plastic coated | 6.0 | 5.2 | 4.0 | 3.6 | 335 |
| **71 02 200** | 047056 | 200 | | black atramentized | with slim multi-component grips | 6.0 | 5.2 | 4.0 | 3.6 | 372 |
| **71 02 200 T** | 080046 | 200 | | | with multi-component grips and integrated tether attachment point | 6.0 | 5.2 | 4.0 | 3.6 | 376 |
| **71 12 200** | 066859 | 200 | | black atramentized | with slim multi-component grips | 6.0 | 5.2 | 4.0 | 3.6 | 375 |

- The recess in the blade allows easier cutting of thicker wires, e.g. for anchor bolts in false ceilings
- With gripping surface below the joint for gripping and pulling wires with a diameter as from 1 mm



**71 31 200**

**71 32 200 / 71 32 200 T***
opening spring and locking device are integrated in the handles also for comfortable work and protected transport

**71 32 200 T***
Pliers with tether attachment point for mounting a fall protection



71 31 200 / 71 32 200 / 71 32 200 T
The recess in the blade allows easier cutting of thicker wires, e.g. for anchor bolts in false ceilings



71 31 200 / 71 32 200 / 71 32 200 T
With gripping surface below the joint for gripping and pulling wires with a diameter as from 1 mm



| Article No. | EAN 4003773- | ↔ mm | | Style | Pliers | Handles | Cutting capacities ◔ Ø mm | ◑ Ø mm | ◕ Ø mm | ● Ø mm | ⚖ g |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **71 31 200** | 042327 | 200 | | 3 | black atramentized | plastic coated | 6.0 | 5.2 | 4.0 | 3.6 | 330 |
| **71 32 200** | 066880 | 200 | | 3 | black atramentized | with slim multi-component grips | 6.0 | 5.2 | 4.0 | 3.6 | 370 |
| **71 32 200 T** | 080060 | 200 | | | | with multi-component grips and integrated tether attachment point | 6.0 | 5.2 | 4.0 | 3.6 | 374 |

- 20° angled head with single-sided joint bar and diagonal cutting edge for flush cutting; with space for gripping

**71 22 200 / 71 22 200 T***
opening spring and locking device are integrated in the handles also for comfortable work and protected transport

**71 22 200 T***
Pliers with tether attachment point for mounting a fall protection

**71 41 200**
the recess in the blade allows easier cutting of thicker wires, e.g. for anchor bolts in false ceilings




**71 21 200**

PATENTED








**71 22 200**

| Article No. | EAN 4003773- | ↔ mm | | Pliers | Handles | Cutting capacities ◔ Ø mm | ◑ Ø mm | ◕ Ø mm | ● Ø mm | ⚖ g |
|---|---|---|---|---|---|---|---|---|---|---|
| **71 21 200** | 066866 | 200 | ∠20° | black atramentized | plastic coated | 6.0 | 5.2 | 4.0 | 3.6 | 320 |
| **71 22 200** | 066873 | 200 | ∠20° | black atramentized | with slim multi-component grips | 6.0 | 5.2 | 4.0 | 3.6 | 375 |
| **71 22 200 T** | 080053 | 200 | ∠20° | black atramentized | with multi-component grips and integrated tether attachment point | 6.0 | 5.2 | 4.0 | 3.6 | 379 |
| **71 41 200** | 066897 | 200 | ∠20° | black atramentized | plastic coated | 6.0 | 5.2 | 4.0 | 3.6 | 335 |

*Other tools with tethering can be found from page 272

# KNIPEX CoBolt XL

## Compact Bolt Cutters

**The compact bolt cutters from KNIPEX with long handles for one and two-hand operation. Up to a 40-fold increase of manual force.**

- For powerful cutting of larger cross-sections as well as very hard materials
- Two-hand operation for maximum cutting force

> 60 % less effort required compared to conventional high-leverage diagonal cutters
> 40-fold increase of manual force due to special joint design
> With gripping surface below the joint for gripping and pulling wires from Ø 1.0 mm
> Induction-hardened precision blades: cutting edge hardness approx. 64 HRC
> Chrome vanadium heavy-duty steel, forged, multi stage oil-hardened

**71 01 250**
> Straight cutting edges

**71 31 250**
> Blades with recess for easier cutting of larger cross-sections thanks to better leverage close to the fulcrum



**71 01 250**



**71 31 250**





Two-hand operation for maximum cutting force

| Article No. | EAN 4003773- | ↔ mm | | Pliers | Handles | Cutting capacities ◑ Ø mm | ◕ Ø mm | ● Ø mm | ⚖ g |
|---|---|---|---|---|---|---|---|---|---|
| **71 01 250** | 079637 | 250 | | black atramentized | plastic coated | 5.6 | 4.0 | 3.8 | 465 |
| **71 31 250** | 079644 | 250 | | black atramentized | plastic coated | 6.0 | 4.3 | 4.2 | 475 |



# Bolt Cutters

## Cuts hard components up to 48 HRC

> Cutting capacity up to 48 HRC hardness
> Robust cutting edges are additionally induction-hardened, cutting edge hardness approx. 62 HRC
> Forged-in stopper with comfortable shock- absorber
> Good access due to very flat construction of head and joint area
> Ergonomically angled handles to minimise effort
> Sturdy non-slip two-colour dual component handle sleeves
> Precise adjustment (12 positions) by eccentric bolt
> High cutting performance with minimum effort due to optimum co-ordination of the cutting edge angle and transmission ratio
> Bolted cutter head, replaceable
> Joint: special tool steel, forged
> Handles: steel tube, powder-coated
> Blade: chrome vanadium heavy-duty steel, forged, multi stage oil-hardened





Forged-in stopper with damping inserts: cushions the cutting stroke comfortably



**71 72 460** **71 72 610** **71 72 760** **71 72 910**





| Article No. | EAN 4003773- | ↔ mm | | Head | Handles | Cutting capacities HRC 19 Ø mm | HRC 40 Ø mm | HRC 48 Ø mm | ⚖ g |
|---|---|---|---|---|---|---|---|---|---|
| **71 72 460** | 066750 | 460 | | grey atramentized | with multi-component grips | 8.0 | 6.0 | 5.0 | 2100 |
| **71 72 610** | 066767 | 610 | | | | 9.0 | 8.0 | 7.0 | 2550 |
| **71 72 760** | 066774 | 760 | | | | 11.0 | 9.0 | 8.0 | 4250 |
| **71 72 910** | 066781 | 910 | | | | 13.0 | 10.0 | 9.0 | 4950 |

| | | |
|---|---|---|
| **71 79 460** | 066804 | Spare cutter head for 71 72 460 complete with screws |
| **71 79 610** | 066811 | Spare cutter head for 71 72 610 complete with screws |
| **71 79 760** | 066828 | Spare cutter head for 71 72 760 complete with screws |
| **71 79 910** | 066835 | Spare cutter head for 71 72 910 complete with screws |

# Concrete Mesh Cutter

> Cutting capacity up to 48 HRC hardness
> Robust cutting edges are additionally induction-hardened, cutting edge hardness approx. 62 HRC
> Forged-in stopper with comfortable shock- absorber
> Good access due to very flat construction of head and joint area
> Ergonomically angled handles to minimise effort
> Sturdy non-slip two-colour dual component handle sleeves
> Precise adjustment (12 positions) by eccentric bolt
> High cutting performance with minimum effort due to optimum co-ordination of the cutting edge angle and transmission ratio
> Bolted cutter head, replaceable
> Joint: special tool steel, forged
> Handles: steel tube, powder-coated
> Blade: chrome vanadium heavy-duty steel, forged, multi stage oil-hardened






The special shape of the mesh cutter head, 71 82 950, enables it to cut structural steel that is lying down flat



**71 82 950**



| Article No. | EAN 4003773- | ↔ mm | | Head | Handles | Cutting capacities HRC 19 Ø mm | HRC 40 Ø mm | HRC 48 Ø mm | ⚖ g |
|---|---|---|---|---|---|---|---|---|---|
| **71 82 950** | 066798 | 950 | ▶◀ | grey atramentized | with multi-component grips | 11.0 | 9.0 | 6.0 | 4110 |
| **71 89 950** | 066842 | Spare cutter head for 71 82 950 complete with screws | | | | | | | |

# Bolt End Cutting Nippers

## high lever transmission

▸ Powerful, compact, comfortable

> Better handling, geater capacity and lower handforce required compared to conventional bolt end cutting nippers
> With cutting edges for soft, hard and piano wire
> Particularly high cutting capacity with minimum effort due to optimum transmission ratio
> Cutting edges additionally induction-hardened, cutting edge hardness approx. 64 HRC
> Handles angled for better accessibility
> Vanadium electric steel, forged, multi stage oil-hardened

**61 02 200**
> With slim multi-component grips without collar for better handling and easier transport; with large contact surface on the handles for better allotment of pressure and more comfort at work




**61 01 200**




**61 02 200**



Extraordinary cutting performance: also for piano wire



Particularly efficient for fence construction



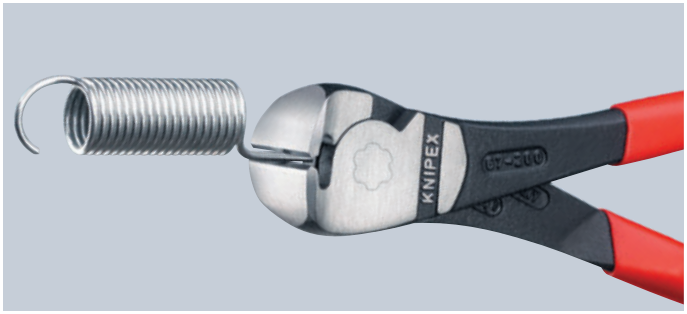
Almost flush cutting of bolts, nails etc.

| Article No. | EAN 4003773- | ↔ mm | | Pliers | Head | Handles | Cutting capacities ◔ Ø mm | ◑ Ø mm | ◕ Ø mm | ● Ø mm | ⚖ g |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **61 01 200** | 033172 | 200 | ∡85° | black atramentized | polished | plastic coated | 1.0 – 6.0 | 4.0 | 3.5 | 3.0 | 435 |
| **61 02 200** | 067047 | 200 | ∡85° | black atramentized | polished | with slim multi-component grips | 1.0 – 6.0 | 4.0 | 3.5 | 3.0 | 435 |



# High Leverage End Cutting Nippers

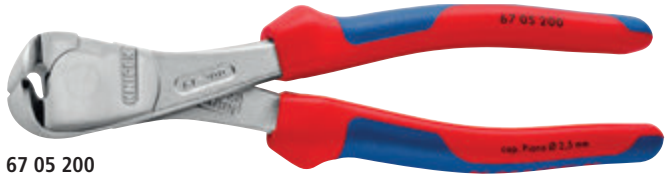
> With cutting edges for soft, hard and piano wire
> High cutting capacity with little effort due to optimum co-ordination of cutting edge angle and transmission ratio
> Cutting edges additionally induction-hardened, cutting edge hardness approx. 64 HRC
> Chrome vanadium heavy-duty steel, forged, multi stage oil-hardened
> DIN ISO 5748







67 01 200



67 05 200

| Article No. | EAN 4003773- | ↔ mm | | Pliers | Head | Handles | Cutting capacities ◔ Ø mm | ◑ Ø mm | ◕ Ø mm | ● Ø mm | ⚖ g |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **67 01 140** | 043690 | 140 | | black atramentized | polished | plastic coated | 4.0 | 3.1 | 2.0 | 1.5 | 152 |
| **67 01 160** | 040620 | 160 | | | | | 4.5 | 3.4 | 2.5 | 2.0 | 237 |
| **67 01 200** | 040637 | 200 | | | | | 5.0 | 3.8 | 3.0 | 2.5 | 318 |
| **67 05 140** | 017929 | 140 | | chrome plated | chrome plated | with multi-component grips | 4.0 | 3.1 | 2.0 | 1.5 | 176 |
| **67 05 160** | 017936 | 160 | | | | | 4.5 | 3.4 | 2.5 | 2.0 | 266 |
| **67 05 200** | 017943 | 200 | | | | | 5.0 | 3.8 | 3.0 | 2.5 | 361 |

# End Cutting Nippers

▸ The head shape provides optimised movement when tightening steel mesh knots during reinforced concrete work

> With cutting edges for soft and hard wire
> Also suitable for twisting and cutting binding wire
> Cutting edges additionally hardened; cutting edge hardness approx. 61 HRC
> High-grade special tool steel, forged, multi stage oil-hardened
> DIN ISO 5748





68 01 180



68 01 280

| Article No. | EAN 4003773- | ↔ mm | | Pliers | Head | Handles | Cutting capacities ◔ Ø mm | ◑ Ø mm | ◕ Ø mm | ⚖ g |
|---|---|---|---|---|---|---|---|---|---|---|
| **68 01 160** | 013792 | 160 | | black atramentized | polished | plastic coated | 4.0 | 2.8 | 2.3 | 202 |
| **68 01 180** | 013808 | 180 | | | | | 4.0 | 3.2 | 2.5 | 284 |
| **68 01 200** | 013815 | 200 | | | | | 4.0 | 3.5 | 2.8 | 319 |
| **68 01 280** | 077664 | 280 | | black atramentized | polished | plastic coated | 4.5 | 4.0 | 3.2 | 465 |


KNIPEX
68-280




# Pipe Wrenches and Water Pump Pliers

| | |
|---|---|
| Pliers Wrenches | 102 |
| Pliers Wrench XL | 104 |
| Set of Pliers Wrenches | 104 |
| Protective jaws for Pliers Wrenches | 105 |
| KNIPEX TwinGrip – Slip Joint Pliers | 106 |
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# Pliers Wrenches

## Pliers and a wrench in a single tool

- Replaces the need for sets of metric and imperial spanners
- Smooth jaws for damage free installation of plated fittings – working directly on chrome!

> Adjustable tightening tool
> Also excellent for gripping, holding, pressing and bending workpieces
> Push the button for adjustment on the workpiece
> Zero backlash jaw pressure prevents damage to edges of sensitive components
> Parallel jaws give a more solid grip; its design allows flexible adjustment of all widths up to the specified maximum size
> Reliable catching of the hinge bolt: no unintentional shifting
> The ratchet type principle allows quick and easy tightening and release of all bolted connections
> Lever transmission greater than 10 : 1 for strong gripping power
> Fast adjustment by pushing a button directly on the workpiece
> No unintentional shift of the gripping jaws and no slipping of the joint
> Replaces the need for sets of metric and imperial spanners
> Chrome vanadium electric steel, forged, oil-hardened

**Length 100 mm**
> Pliers Wrench XS – although measuring only 100 mm, the width across flats is 21 mm

**Length 150 mm**
> Ideal multi-purpose wrench in pocket size; indispensable companion in emergency tool kit

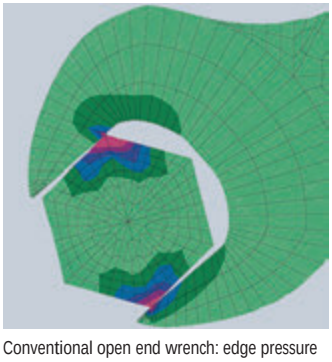
**Length 180 mm**
> With narrow gripping jaws – for tightening situations that require a slim tool

**86 01 180 / 86 01 250 / / 86 01 300 / 86 02 180 / 86 02 250 / 86 03 250 / 86 05 250 / 86 06 250**
> With scaling for presetting the width apart from the workpiece

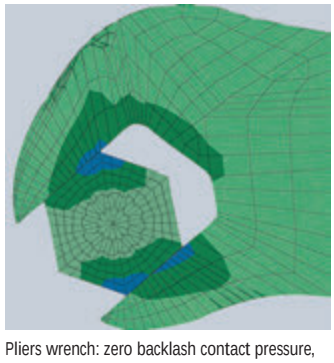
**86 43 250**
> 15° angled pliers handle provides space for counter screw connections or bolted fittings on surfaces

**86 05 180 T / 86 05 250 T***
> Pliers with tether attachment point for mounting a fall protection

The smooth jaws grip all parallel surfaces in the capacity range with a high degree of pressure if necessary and open up almost unlimited application possibilities for the pliers wrench: e.g. for tightening locknuts, exerting pressure to activate the adhesive power of contact adhesives, edge breaking in tile work, snapping cable ties, utilisation as a small vice.



Conventional open end wrench: edge pressure causes surface damage



Pliers wrench: zero backlash contact pressure, no damage to edges



**86 01 250**



**86 02 250**



**86 03 125**



**86 04 100**
PATENTED



**86 01 180**



**86 02 180**



**86 01 300**



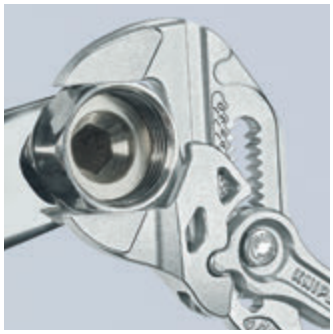
**86 03 150**



**86 03 180**



*Other tools with tethering can be found from page 272



Working on plated fittings without damage of the surface



Replaces the need for sets of metric and imperial spanners



Ideal for bending operations



The mini pliers wrench for precision mechanics



Despite its small size, the Pliers Wrench XS grips nuts and parallel workpieces up to 21 mm safely and gently.





Fast adjustment at the touch of a button

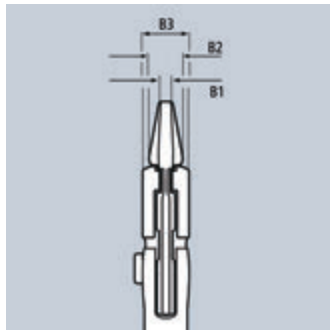


Opening width lasered onto the pliers head (metric on the front and imperial on the back)



Due to the high lever transmission joint, the Pliers Wrench XS grips, presses and holds everything tightly






| Article No. | EAN 4003773- | ↔ mm | | Pliers | Handles | ⬡↕ Inch | ⬡↕ mm | Adjustment positions | Dimensions B1 mm | B2 mm | B3 mm | ⚖ g |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **86 01 180** | 084273 | 180 | | black atramentized | plastic coated | 1 1/2 | 40 | 15 | 5.0 | 8.0 | 12.0 | 230 |
| **86 01 250** | 082385 | 250 | | black atramentized | with non-slip plastic coating | 2 | 52 | 19 | 8.0 | 8.0 | 14.0 | 465 |
| **86 01 300** | 084662 | 300 | | black atramentized | with non-slip plastic coating | 2 3/4 | 60 | 24 | 9.5 | 9.5 | 15.0 | 645 |
| **86 02 180** | 084280 | 180 | | black atramentized | with multi-component grips | 1 3/8 | 35 | 15 | 5.0 | 8.0 | 12.0 | 255 |
| **86 02 250** | 082392 | 250 | | black atramentized | with multi-component grips | 2 | 52 | 19 | 8.0 | 8.0 | 14.0 | 485 |
| **86 03 125** | 077497 | 125 | | chrome plated | plastic coated | 7/8 | 23 | 11 | 3.0 | 5.0 | 9.5 | 105 |
| **86 03 150** | 069676 | 150 | | chrome plated | plastic coated | 1 | 27 | 14 | 4.7 | 7.0 | 10.5 | 175 |
| **86 03 180** | 035466 | 180 | | chrome plated | plastic coated | 1 1/2 | 40 | 15 | 5.0 | 8.0 | 12.0 | 230 |
| **86 03 250** | 033837 | 250 | | chrome plated | plastic coated | 2 | 52 | 19 | 8.0 | 8.0 | 14.0 | 465 |
| **86 03 300** | 041429 | 300 | | chrome plated | plastic coated | 2 3/8 | 60 | 24 | 9.5 | 9.5 | 15.0 | 725 |
| **86 04 100** | 087281 | 100 | | chrome plated | embossed, rough surface | 3/4 | 21 | 10 | 2.5 | 5.5 | 10 | 70 |
| **86 05 150** | 069928 | 150 | | chrome plated | with multi-component grips | 1 | 27 | 14 | 4.7 | 7.0 | 10.5 | 193 |
| **86 05 180** | 047162 | 180 | | chrome plated | with multi-component grips | 1 1/2 | 40 | 15 | 5.0 | 8.0 | 12.0 | 260 |
| **86 05 180 T** | 080121 | 180 | | chrome plated | with multi-component grips, with integrated tether attachment point for a tool tether | 1 1/2 | 40 | 13 | 5.0 | 8.0 | 12.0 | 280 |
| **86 05 250** | 047841 | 250 | | chrome plated | with multi-component grips | 2 | 52 | 19 | 8.0 | 8.0 | 14.0 | 490 |
| **86 05 250 T** | 080138 | 250 | | chrome plated | with multi-component grips, with integrated tether attachment point for a tool tether | 2 | 52 | 19 | 8.0 | 8.0 | 14.0 | 500 |
| **86 06 250** | 082408 | 250 | 1000 V | chrome plated | insulated with multi-component grips, VDE-tested | 2 | 52 | 19 | 8.0 | 8.0 | 14.0 | 525 |

# Pliers Wrench XL

## Pliers and a wrench in a single tool

- The unique installation tool now also in 400 mm length
- For opening widths up to 85 mm / 3 3/8"

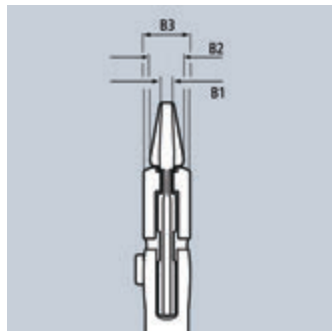
> Also excellent for gripping, holding, pressing and bending workpieces
> Optimised adjustment to the workpiece with hand-friendly position of grips
> Reliable catching of the hinge bolt: no unintentional shifting
> Lever transmission greater than 10 : 1 for strong gripping power
> Adjustable tightening tool
> Replaces diverse expensive, large open-end wrenches up to AF 85 mm or 3 3/8"
> Parallel jaws give a more solid grip; its design allows flexible adjustment of all widths up to the specified maximum size
> Smooth jaws, for damage free installation of quality union joints made from brass, red brass or stainless steel
> Zero backlash jaw pressure prevents damage to edges of sensitive components
> The ratchet type principle allows quick and easy tightening and release of all bolted connections
> Push the button for adjustment on the workpiece
> Chrome vanadium electric steel, forged, oil-hardened




**86 03 400**








| Article No. | EAN 4003773- | ↔ mm | | Pliers | Handles | Inch | mm | Adjustment positions | Dimensions B1 mm | B2 mm | B3 mm | g |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **86 03 400** | 077312 | 400 | | chrome plated | plastic coated | 3 3/8 | 85 | 25 | 12.5 | 16.0 | 20.0 | 1460 |

# Set of Pliers Wrenches

## 5-piece

> Tool roll made of hard-wearing polyester fabric
> With hook-and-loop fastener
> Equipped with pliers wrenches in five different lengths from 125 to 300 mm
> Dimensions, open (L x H): 430 x 325 mm




**00 19 55 S4**

| Article No. | EAN 4003773- | | | | Quantity | g |
|---|---|---|---|---|---|---|
| **00 19 55 S4** | 077817 | | Set of pliers wrenches | | | 2015 |
| | | | 86 03 125 | Mini Pliers Wrench, pliers and a wrench in a single tool | 1 | |
| | | | 86 03 150 | Mini Pliers Wrench, pliers and a wrench in a single tool | 1 | |
| | | | 86 03 180 | Pliers Wrench, pliers and a wrench in a single tool | 1 | |
| | | | 86 03 250 | Pliers Wrench, pliers and a wrench in a single tool | 1 | |
| | | | 86 03 300 | Pliers Wrench, pliers and a wrench in a single tool | 1 | |

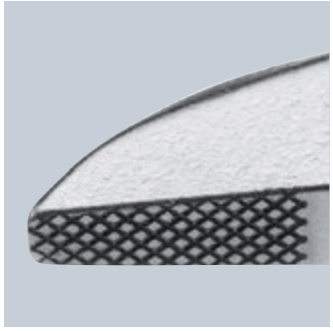
# Pliers Wrench

## with roughened jaws especially for opening plastic cable connectors

> Pliers wrench with special laser shearing for a good hold: grip, compress or loosen the head of the cable tie, all without cutting it
> Roughened jaws for a better grip
> Also excellent for gripping, holding, pressing and bending workpieces
> No unintentional shift of the gripping jaws and no slipping of the joint
> Lever transmission greater than 10 : 1 for strong gripping power
> Fast adjustment by pushing a button directly on the workpiece
> Infinitely variable gripping of parallel surfaces up to the specified capacity by means of parallel jaws
> Zero-backlash, full-surface contact
> Chrome vanadium electric steel, forged, oil-hardened




**86 05 150 S02**





| Article No. | EAN 4003773- | ↔ mm | | Pliers | Handles | Inch | mm | Adjustment positions | g |
|---|---|---|---|---|---|---|---|---|---|
| **86 05 150 S02** | 071785 | 150 | | chrome plated | with multi-component grips | 1 | 27 | 14 | 193 |

# Protective jaws

## for 86 XX 180 / 86 XX 250 / 86 XX 300

> The perfect choice for designer fittings and other highly sensitive materials thanks to the soft, smooth gripping surfaces
> Permits use on chrome if the jaws of the pliers wrench have been damaged due to improper or rough use
> Easy to attach by hand and reliable fixing on the gripping jaws by means of an internal snap hook
> Set consisting of 3 pairs of protective jaws made of plastic



**86 09 250 V01**







| Article No. | EAN 4003773- | g |
|---|---|---|
| **86 09 180 V01** | 085805 | 9 |
| **86 09 300 V01** | 085812 | 18 |
| **86 09 250 V01** | 084143 | 24 |

# KNIPEX TwinGrip Slip Joint Pliers

## The all-purpose solution for stuck workpieces, such as bolts and screws

- Unique combination: Front grip and side grip function, box-joint, push-button adjustment
- Very slim pliers let you work even in confined installation spaces with a narrow turning zone for fast results
- High-grip front jaw with robust teeth and high gear ratio at the tip of the mouth

> Large front and side gripping capacity for diameters and widths across flats 4 - 22 mm
> Reliable front gripping of flat workpieces due to the three-point system
> Gripping, tightening and loosening screws with worn heads and threads
> Five-way adjustable slip joint with push-button adjustment for precise adjustment of gripping capacity
> Pinch stop reduces the risk of crushed fingers
> Durable and resilient due to the robust box-joint
> Forged from high-grade chrome vanadium electric steel, oil-hardened, teeth additionally induction-hardened to approx. 61 HRC



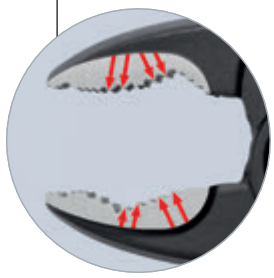

**82 01 200**




**82 02 200**




Comfortable and reliable:
The push-button adjusts the gripping capacity in five steps directly on the workpiece and then locks securely – no accidental loss of adjustment!



Optimised jaw geometry:
2-zone gripping jaw with opposing alignment of teeth – for maximum grip when loosening and tightening.




The KNIPEX TwinGrip allows the gripping capacity to be set flexibly in five positions...



...and the position to be changed quickly at the touch of a button!




The box-joint is robust and flexible, so that the pliers can hold workpieces between 4 and 22 mm in place.

| Article no. | EAN 4003773- | ◄–► mm | Pliers | Head | Handles | Adjustment positions | ○ Ø Inch | ○ Ø mm | ⬡ Inch | ⬡ mm | ⚖ g |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **82 01 200** | 087243 | 200 | black atramentized | polished | with non-slip plastic coating | 5 | 5/32 - 7/8 | 4 - 22 | 5/32 - 7/8 | 4 - 22 | 270 |
| **82 01 200 SB** | 087571 | 200 | | | | 5 | 5/32 - 7/8 | 4 - 22 | 5/32 - 7/8 | 4 - 22 | 270 |
| **82 02 200** | 087250 | 200 | | | with multi-component grips | 5 | 5/32 - 7/8 | 4 - 22 | 5/32 - 7/8 | 4 - 22 | 280 |
| **82 02 200 SB** | 087588 | 200 | | | | 5 | 5/32 - 7/8 | 4 - 22 | 5/32 - 7/8 | 4 - 22 | 280 |

KNIPEX TwinGrip – Slip Joint Pliers

# Front or sideways – they grab them all

Flexible. Handy. Strong.



**Serrated gripping surfaces along the longitudinal axis of the pliers make it possible to grip worn bolts and screws tightly from the front**



# Multiple Slip Joint Spanner

PATENTED

> For metric and imperial nuts and screws with widths across flats from 10 to 32 mm (3/8" up to 1 1/4"); self-locking from 17 mm: no slipping on the workpiece
> Zero-backlash gripping of metric or imperial hexagonal headed screws, no rounding of bolt heads
> Reliable and tight gripping of rounded, rusty, or thick coated bolts and screws
> Ideal for work on vehicle brake systems
> Quick tightening of bolted connections using ratchet action
> Push the button for adjustment on the workpiece, also possible with one hand only
> Fine adjustment for optimum adaptation to different sizes of work-pieces and a comfortable handle width
> Box-joint design for high stability due to double guide
> Reliable catching of the hinge bolt: no unintentional shifting
> Favourable lever action: optimum transmission of force
> Pinch guard prevents operators' fingers being pinched
> Replaces a set of wrenches, ideal for tightening locknuts
> Chrome vanadium electric steel, forged, multi stage oil-hardened



**87 41 250**



Self-locking: no slip on workpieces; less effort required



In operation on rusted nut with rounded edges

The Raptor Pliers combines the convenience of the comfortable push-button adjustment on the workpiece and the function of an all-purpose tightening tool. Jaw gripping with zero backlash prevents slipping on the bolt head or rounding edges.
Even rusty or thick coated bolted connections which have no surfaces capable of being gripped reliably by a conventional spanner can be managed by the exceptionally powerful closing gripping jaws of this spanner.



| Article No. | EAN 4003773- | ↔ mm | | Pliers | Head | Handles | ⬡ Inch | ⬡ mm | Adjustment positions | ⚖ g |
|---|---|---|---|---|---|---|---|---|---|---|
| **87 41 250** | 054566 | 250 | | grey atramentized | polished | with non-slip plastic coating | 3/8 - 1 1/4 | 10 - 32 | 15 | 328 |

# KNIPEX SmartGrip®

PATENTED

## Water Pump Pliers with automatic adjustment

> Ideal for frequent changeovers to workpieces of different sizes
> Automatic adjustment per one-hand operation both for right-handed and left-handed use
> Good access to the workpiece thanks to the slim dimensions of head and joint area and flush joint bolt
> 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: high wear resistance and stable gripping
> Box-joint design for high stability due to double guide
> Pinch guard prevents operators' fingers being pinched
> Locking lever for space saving transport with reliable closed handles
> Chrome vanadium electric steel, forged, multi stage oil-hardened
> DIN ISO 8976



**85 01 250**

Adjustment to suit the workpiece is automatic with the KNIPEX SmartGrip®!

Place the outer jaw on the workpiece, squeeze the handles – turn!



| Article No. | EAN 4003773- | ↔ mm | | Pliers | Head | Handles | ○ Ø Inch | ○ Ø mm | ⬡ mm | ⚖ g |
|---|---|---|---|---|---|---|---|---|---|---|
| **85 01 250** | 061304 | 250 | | grey atramentized | polished | with non-slip plastic coating | 1 1/4 | 32 | 36 | 370 |

# KNIPEX Cobra® XS

PATENTED

- Optimum access in the narrowest spaces: an especially compact design with a very slim head
- Single-handed fine adjustment by sliding for optimal fitting to various workpiece sizes
- Long-lasting secure grip ensured by high wear resistance

> Gripping capacity Ø 28 mm, width across flats up to 24 mm – at only 100 mm length
> Box joint: high quality and durability provided by dual guide
> Gripping surfaces with specially hardened teeth, hardness approx. 60 HRC
> Self-locking on pipes and nuts: no slipping on the workpiece and low handforce required
> Pinch guard prevents operators' fingers being pinched
> Fine adjustment with 11 adjustment positions
> DIN ISO 8976




**87 00 100**




Self-locking and durable – all part of genuine KNIPEX water pump pliers




Naked truth: The grips are not coated to keep them as slim as possible. To ensure good grip, they are texturised on the outside










| Article No. | EAN 4003773- | ↔ mm | Pliers | Head | Handles | ○ Ø Inch | ○ mm | ⬡ mm | Adjustment positions | ⚖ g |
|---|---|---|---|---|---|---|---|---|---|---|
| **87 00 100** | 085836 | 100 | grey atramentized | polished | embossed, rough surface | 1 | 28 | 24 | 11 | 62 |

# KNIPEX Cobra®

## Hightech Water Pump Pliers

> Push the button for adjustment on the workpiece
> Fine adjustment for optimum adaptation to different sizes of workpieces and a comfortable handle width
> 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: high wear resistance and stable gripping
> Box-joint design for high stability due to double guide
> Reliable catching of the hinge bolt: no unintentional shifting
> Pinch guard prevents operators' fingers being pinched
> Chrome vanadium electric steel, forged, multi stage oil-hardened
> DIN ISO 8976

**87 02 250 / 87 02 250 T / 87 05 250**
> With slim multi-component grips without collar for better handling and easier transport

**87 02 180 T / 87 02 250 T / 87 02 300 T***
> Pliers with tether attachment point for mounting a fall protection



87 01 125



87 01 250



87 01 300



87 02 180



87 02 250 T



87 03 250



87 05 250

## KNIPEX Cobra® – the Hightech Water Pump Pliers.

No more time-consuming presetting of the required opening size. Just position the upper jaw to the workpiece, push button and move close the lower jaw, ingeniously simple.



Fine adjustment by pushing a button: fast and comfortable



Fast and firm adjustment directly on the workpiece







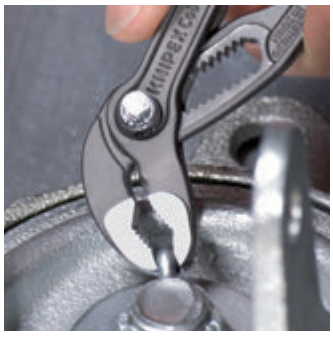




Teeth set against the direction of rotation have a self-locking effect and prevent slipping on the workpiece.



*Other tools with tethering can be found from page 272






| Article No. | EAN 4003773- | ↔ mm | | Pliers | Head | Handles | Ø Inch | Ø mm | mm | Adjustment positions | g |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **87 00 100** | 085836 | 100 | | grey atramentized | polished | embossed, rough surface | 1 | 28 | 24 | 11 | 62 |
| **87 01 125** | 069935 | 125 | | grey atramentized | polished | with non-slip plastic coating | 1 | 27 | 27 | 13 | 85 |
| **87 01 150** | 060116 | 150 | | grey atramentized | polished | with non-slip plastic coating | 1 1/4 | 32 | 30 | 11 | 145 |
| **87 01 180** | 022015 | 180 | | grey atramentized | polished | with non-slip plastic coating | 1 1/2 | 42 | 36 | 18 | 170 |
| **87 01 250** | 022022 | 250 | | grey atramentized | polished | with non-slip plastic coating | 2 | 50 | 46 | 25 | 335 |
| **87 01 300** | 034087 | 300 | | grey atramentized | polished | with non-slip plastic coating | 2 3/4 | 70 | 60 | 30 | 530 |
| **87 02 180** | 042396 | 180 | | grey atramentized | polished | with multi-component grips | 1 1/2 | 42 | 36 | 18 | 196 |
| **87 02 180 T** | 080145 | 180 | | grey atramentized | polished | with multi-component grips, with integrated tether attachment point for a tool tether | 1 1/2 | 42 | 36 | 18 | 200 |
| **87 02 250** | 040316 | 250 | | grey atramentized | polished | with slim multi-component grips | 2 | 50 | 46 | 25 | 366 |
| **87 02 250 T** | 080152 | 250 | | grey atramentized | polished | with multi-component grips, with integrated tether attachment point for a tool tether | 2 | 50 | 46 | 25 | 370 |
| **87 02 300** | 029144 | 300 | | grey atramentized | polished | with multi-component grips | 2 3/4 | 70 | 60 | 30 | 580 |
| **87 02 300 T** | 080169 | 300 | | grey atramentized | polished | with multi-component grips, with integrated tether attachment point for a tool tether | 2 3/4 | 70 | 60 | 30 | 600 |
| **87 03 125** | 073949 | 125 | | verchromt | verchromt | with non-slip plastic coating | 1 | 25 | 27 | 13 | 85 |
| **87 03 180** | 005667 | 180 | | verchromt | verchromt | with non-slip plastic coating | 1 1/2 | 42 | 36 | 18 | 175 |
| **87 03 250** | 043805 | 250 | | verchromt | verchromt | with non-slip plastic coating | 2 | 50 | 46 | 25 | 335 |
| **87 03 300** | 041382 | 300 | | verchromt | verchromt | with non-slip plastic coating | 2 3/4 | 70 | 60 | 30 | 530 |
| **87 05 250** | 005681 | 250 | | verchromt | verchromt | with slim multi-component grips | 2 | 50 | 46 | 25 | 366 |
| **87 05 300** | 014126 | 300 | | grey atramentized | polished | with multi-component grips | 2 3/4 | 70 | 60 | 30 | 580 |

| | | |
|---|---|---|
| **87 09 125** | 074151 | Assortment of spare parts for adjustment for 86 / 87-125 |
| **87 09 150** | 074168 | Assortment of spare parts for adjustment for 87 150 |
| **87 09 180** | 034360 | Range of spare parts adjustment for 87 180 |

# Protective jaws

## 3 pairs of smooth plastic protective jaws for the KNIPEX Cobra® 87 XX 180 / 250 / 300, updated models

- Ideal for protecting round workpieces from marring or scratching

> The protective jaws prevent damage by covering all of the teeth on the tool
> Easily and reliably fitted to the gripping jaws and firmly holds in place
> Smooth gripping surfaces (no teeth)
> Set consists of 3 pairs of plastic protective jaws



You can identify the updated models i.a. by the curved adjustment area.

| Article no. | EAN 4003773- | Description | g |
|---|---|---|---|
| **87 09 180 V01** | 088066 | 3 pairs of plastic jaws for all 87 XX 180 mm models (models from 2010) | 37 |
| **87 09 250 V01** | 088073 | 3 pairs of plastic jaws for all 87 XX 250 mm models (models from 2007) | 40 |
| **87 09 300 V01** | 088080 | 3 pairs of plastic jaws for all 87 XX 300 mm models (models from 2008) | 58 |

# KNIPEX Cobra® XL / XXL

## Water Pump Pliers

> Greater gripping capacity but much lower weight than comparable pipe wrenches
> Fast push-button adjustment directly on the workpiece, no unintentional slipping of the joint
> Fine adjustment for optimum adaptation to different sizes of work-pieces and a comfortable handle width
> 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: high wear resistance and stable gripping
> Box-joint design for high stability due to double guide
> Pinch guard prevents operators' fingers being pinched
> Chrome vanadium electric steel, forged, multi stage oil-hardened
> DIN ISO 8976





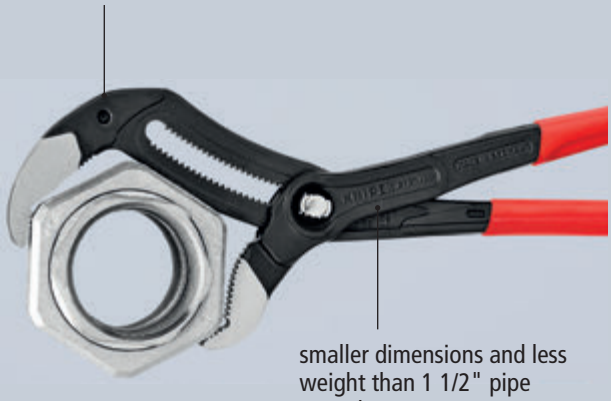

87 01 400




87 01 560

**KNIPEX Cobra® XL**
length 400 mm – weight 1195 g

**gripping a union nut of a 2" pipe fitting**
large gripping capacity of 95 mm,
would require a 3-inch pipe wrench



smaller dimensions and less weight than 1 1/2" pipe wrenches

**2" pipe wrench**
length 560 mm – weight 2670 g



gripping the 2" union nut exceeds the capacity of a 2" pipe wrench; no confident working conditions

| Article No. | EAN 4003773- | ↔ mm | | Pliers | Head | Handles | ○ Ø Inch | ○ Ø mm | ⬡ mm | Adjustment positions | ⚖ g |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **87 01 400** | 005636 | 400 | | grey atramentized | polished | plastic coated | 3 1/2 | 90 | 95 | 27 | 1195 |
| **87 01 560** | 044321 | 560 | | grey atramentized | polished | plastic coated | 4 1/2 | 115 | 120 | 20 | 2780 |

| | | |
|---|---|---|
| **87 09 400** | 034391 | Range of spare parts adjustment for 87 400 |
| **87 09 560** | 049845 | Range of spare parts adjustment for 87 560 |

# KNIPEX Cobra® Set

## 5-piece

> High-quality roll-up bag made from durable polyester fabric
> With hook-and-loop fastener
> Equipped with KNIPEX Cobra® high-tech water pump pliers in five different lengths from 125 to 300 mm
> Dimensions, open (L x H): 430 x 325 mm




**00 19 55 S5**

| Article No. | EAN 4003773- | | | | Quantity | g |
|---|---|---|---|---|---|---|
| **00 19 55 S5** | 082613 | | Cobra® Set, 5-piece | | | 1575 |
| | | | 87 01 125 | KNIPEX Cobra®, Hightech Water Pump Pliers | 1 | |
| | | | 87 01 150 | | 1 | |
| | | | 87 01 180 | | 1 | |
| | | | 87 01 250 | | 1 | |
| | | | 87 01 300 | | 1 | |
| **00 19 55 S5 LE** | 082620 | Roll-up case for pliers wrenches, empty | | | | 260 |

# KNIPEX Cobra®...matic

## Water Pump Pliers

> All features of the KNIPEX Cobra® 87 01 250
> Automatic adjustment at the touch of a button directly on the workpiece
> The sheltered positioned spring ensures that the pliers close automatically once the push-button is activated (one-hand operation!)
> Chrome vanadium electric steel, forged, multi stage oil-hardened
> DIN ISO 8976



**87 11 250**



| Article No. | EAN 4003773- | ↔ mm | | Pliers | Head | Handles | Ø Inch | Ø mm | mm | Adjustment positions | g |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **87 11 250** | 035473 | 250 | | grey atramentized | polished | with non-slip plastic coating | 2 | 50 | 46 | 25 | 335 |
| **87 19 250** | 022640 | Spare spring for 87 11 250 | | | | | | | | | |

# KNIPEX Cobra® QuickSet

PATENTED

## Hightech Water Pump Pliers

- Fully open, push, grab!
- Additional fast adjustment on the workpiece by sliding the pliers handle

> Combines the proven, reliable locking of the hinge bolt with an additional push function which makes it easier to work in very confined and inaccessible areas
> The adjustment directly on the workpiece is possible by simply sliding the pliers handle
> Reliable locking of the hinge bolt with the first workload. The gripping width of the pliers is then fixed and can only be adjusted by pressing the button
> To re-activate the sliding function, the hinge bolt must be released by pressing the push button and the pliers must be completely opened again
> Chrome vanadium electric steel, forged, multi stage oil-hardened
> DIN ISO 8976



87 21 250



87 22 250

The KNIPEX Cobra® QuickSet combines all proven properties of the KNIPEX Cobra® with an additional push on function which makes it easier to work in very confined and inaccessible areas.

Adjustment directly on the workpiece is possible by simply sliding the pliers handle. The hinge bolt locks itself with the first workload. The gripping width of the pliers is then fixed and can only be adjusted by pressing the button. The hinge bolt must be released by pressing the button and the pliers must be completely opened once to activate the QuickSet function again.




Press the button – open pliers completely



Position jaw – simply slide and close pliers



Hinge bolt locks itself with the first workload






| Article No. | EAN 4003773- | ↔ mm | | Pliers | Head | Handles | ○↕ Ø Inch | ○↕ Ø mm | ⬡↕ mm | Adjustment positions | ⚖ g |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **87 21 250** | 072775 | 250 | | grey atramentized | polished | with non-slip plastic coating | 2 | 50 | 46 | 25 | 335 |
| **87 21 300** | 078524 | 300 | | | | | 2 3/4 | 70 | 60 | 25 | 530 |
| **87 22 250** | 077794 | 250 | | grey atramentized | polished | with slim multi-component grips | 2 | 50 | 46 | 25 | 366 |

| | | |
|---|---|---|
| **87 29 01** | 079002 | range of spare parts for 87 2x-250 |
| **87 29 300** | 084570 | range of spare parts for 87 21 300 |

# KNIPEX Cobra® VDE

## Hightech Water Pump Pliers, insulated

> Adjustment by shifting one jaw directly on to the workpiece: fast, reliable and comfortable handling
> Fine adjustment: allows optimum adjustment to differently sized workpieces and comfortable handle position
> Good access to the workpiece due to slim size of 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: high wear resistance and stable gripping
> Box-joint design for high stability due to double guide
> Pinch guard prevents operators' fingers being pinched
> Chrome vanadium electric steel, forged, multi stage oil-hardened
> DIN ISO 8976, DIN EN 60900, IEC 60900

**87 26 250 T***
> Pliers with tether attachment point for mounting a fall protection



**87 26 250**



**87 26 250 T**

The adjustment action 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 to close, done!

| Article No. | EAN 4003773- | ↔ mm | | Pliers | Head | Handles | Ø Inch | Ø mm | mm | Adjustment positions | g |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **87 26 250** | 071495 | 250 | 1000 V | chrome plated | chrome plated | insulated with multi-component grips, VDE-tested | 2 | 50 | 46 | 24 | 340 |
| **87 26 250 T** | 081517 | 250 | 1000 V | chrome plated | chrome plated | insulated with multi-component grips, VDE-tested with integrated insulated tether attachment point for a tool tether | 2 | 50 | 46 | 24 | 400 |
| **87 29 01** | 079002 | range of spare parts for 87 2x-250 | | | | | | | | | |

# KNIPEX Cobra® ES

## Water Pump Pliers extra-slim

> Ideal for service, maintenance and equipment repair, in automotive and general industry
> Long, narrow jaws
> Particularly good access to the workpiece due to very slim construction of head and joint area
> Firm grip also on flat material due to three-point rest
> Push the button for adjustment on the workpiece
> Fine adjustment for optimum adaptation to different sizes of work-pieces and a comfortable handle width
> Self-locking on pipes and nuts: no slipping on the workpiece and low handforce required
> Box-joint design for high stability due to double guide
> Reliable catching of the hinge bolt: no unintentional shifting
> Favourable lever action: optimum transmission of force
> Pinch guard prevents operators' fingers being pinched
> Chrome vanadium electric steel, forged, multi stage oil-hardened
> DIN ISO 8976



**87 51 250**



Grips nuts up to 34 mm (1 5/8") across flats





Optimum access to the workpiece. Ideal for service, maintenance and equipment repair, in automotive and general industry



Very slim design in the complete head and joint area (compared to conventional water pump pliers)

| Article No. | EAN 4003773- | ↔ mm | | Pliers | Head | Handles | Ø Inch | Ø mm | mm | max. parallel opening width | max. gripping depth | Adjustment positions | g |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **87 51 250** | 061267 | 250 | | grey atramentized | polished | with non-slip plastic coating | 1 1/4 | 32 | 34 | 37 | 42 | 19 | 328 |

*Other tools with tethering can be found from page 272

# KNIPEX Alligator®

## Water Pump Pliers

- Good access to the workpiece due to slim size of head and joint area
- More output and comfort compared to conventional water pump pliers of the same length: 9-notch adjustment positioning for 30 % more gripping capacity

> 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: high wear resistance and stable gripping
> Box-joint design for high stability due to double guide
> Robust construction, insensitive to dirt; particularly suitable for outdoor work
> Pinch guard prevents operators' fingers being pinched
> Chrome vanadium electric steel, forged, multi stage oil-hardened
> DIN ISO 8976

**88 02 250 / 88 02 250 T / 88 05 250**
> With slim multi-component grips without collar for better handling and easier transport

**88 02 250 T / 88 02 300 T***
> Pliers with tether attachment point for mounting a fall protection











88 01 180



88 02 250



88 02 250 T



88 02 300



88 02 300 T



88 03 250



88 05 250



88 05 300



*Other tools with tethering can be found from page 272





Self-locking on pipes and nuts: no slipping on the workpiece; the complete actuating force can be used to turn the workpieces; not having to squeeze the pliers handles reduces the required effort

**Conventional water pump pliers**

**KNIPEX Alligator® 250/300**




**Specially hardened teeth**
high resistance to wear, allowing durable, reliable gripping

**Robust adjusting mechanism**
insensitive to dirt, particularly suitable for outdoor work

**Notch curved adjustment positioning**
30 % more gripping capacity, optimised adjustment to the workpiece and a handy handle position, slim design

**Box joint, double guide**
no loosening of the joint connection, continuous heavy duty

| Article No. | EAN 4003773- | ↔ mm | | Pliers | Head | Handles | Ø Inch | Ø mm | mm | Adjustment positions | g |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **88 01 180** | 035480 | 180 | | black atramentized | polished | with non-slip plastic coating | 1 1/2 | 42 | 36 | 9 | 180 |
| **88 01 250** | 022992 | 250 | | | | | 2 | 50 | 46 | 9 | 331 |
| **88 01 300** | 034094 | 300 | | | | | 2 3/4 | 70 | 60 | 9 | 511 |
| **88 02 180** | 044222 | 180 | | black atramentized | polished | with multi-component grips | 1 1/2 | 42 | 36 | 9 | 210 |
| **88 02 300** | 029151 | 300 | | | | | 2 3/4 | 70 | 60 | 9 | 565 |
| **88 02 300 T** | 080183 | 300 | | black atramentized | polished | with multi-component grips, with integrated tether attachment point for a tool tether | 2 3/4 | 70 | 60 | 9 | 595 |
| **88 02 250** | 019282 | 250 | | black atramentized | polished | with slim multi-component grips | 2 | 50 | 46 | 9 | 347 |
| **88 02 250 T** | 080176 | 250 | | black atramentized | polished | with slim multi-component grips, with integrated tether attachment point for a tool tether | 2 | 50 | 46 | 9 | 370 |
| **88 03 180** | 042860 | 180 | | chrome plated | chrome plated | with non-slip plastic coating | 1 1/2 | 42 | 36 | 9 | 181 |
| **88 03 250** | 005742 | 250 | | | | | 2 | 50 | 46 | 9 | 319 |
| **88 03 300** | 019312 | 300 | | | | | 2 3/4 | 70 | 60 | 9 | 499 |
| **88 05 180** | 060130 | 180 | | chrome plated | chrome plated | with multi-component grips | 1 1/2 | 42 | 36 | 9 | 210 |
| **88 05 300** | 042389 | 300 | | | | | 2 3/4 | 70 | 60 | 9 | 560 |
| **88 05 250** | 035497 | 250 | | chrome plated | chrome plated | with slim multi-component grips | 2 | 50 | 46 | 9 | 344 |
| **88 06 250** | 039303 | 250 | 1000 V | chrome plated | chrome plated | insulated with multi-component grips, VDE-tested | 2 | 50 | 46 | 9 | 374 |
| **88 07 250** | 019343 | 250 | 1000 V | chrome plated | chrome plated | with dipped insulation, VDE-tested | 2 | 50 | 46 | 9 | 420 |
| **88 07 300** | 022350 | 300 | | | | | 2 3/4 | 70 | 60 | 9 | 661 |

# KNIPEX Alligator® XL

## Water Pump Pliers

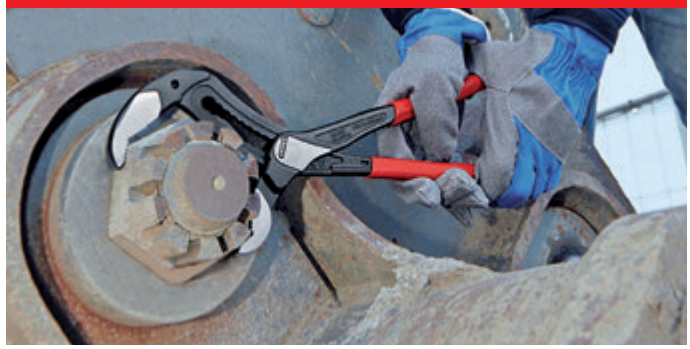
- The classic model, now also in 400 mm length
- Robust construction, insensitive to dirt; particularly suitable for outdoor work

> Good access to the workpiece due to slim size of head and joint area
> Pinch guard prevents operators' fingers being pinched
> Gripping surfaces with special hardened teeth, teeth hardness approx. 61 HRC: high wear resistance and stable gripping
> Self-locking on pipes and nuts: no slipping on the workpiece and low handforce required
> Box-joint design for high stability due to double guide
> Robust adjustment mechanism, insensitive to dirt, easy to clean; particularly suitable for outdoor work
> 11-notch adjustment positioning with a gripping capacity up to 3 1/2", optimised adjustment to the workpiece and user-friendly handle position
> Chrome vanadium electric steel, forged, multi stage oil-hardened
> DIN ISO 8976



**88 01 400**

The KNIPEX Alligator® XL offers the performance and comfort of a water pump pliers while being 50 % lighter in weight and having a greater gripping capacity (3 ½") than comparable pipe wrenches. With their handy length of 400 mm, there is a place for KNIPEX Alligator® XL in every tool box.



**Robust pliers for very hard applications**

Gripping surfaces with special hardened teeth, teeth hardness approx. 61 HRC: low wear and stable gripping

Self-locking on pipes and nuts: no slipping on the workpiece and low handforce required

Box-joint design: high stability because of the double guide

Robust adjustment mechanism, insensitive to dirt, easy to clean; particularly suitable for outdoor work

11-notch adjustment for a gripping capacity up to 3 ½", optimised adjustment to the workpiece and a comfortable handle position




| Article No. | EAN 4003773- | ↔ mm | | Pliers | Head | Handles | Ø Inch | Ø mm | mm | Adjustment positions | g |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **88 01 400** | 075844 | 400 | | black atramentized | polished | with non-slip plastic coating | 3 1/2 | 90.0 | 95.0 | 11 | 1190 |

# Pipe Wrenches 90°

> Swedish pattern
> 90° angled jaws
> Jaws with offset teeth in opposite direction
> Teeth additionally induction-hardened
> I-beam handle design
> Captive adjusting nut
> Red powder-coated, jaws bright ground
> Chrome vanadium electric steel, forged, multi stage oil-hardened
> DIN 5234



**83 10 015**





| Article No. | EAN 4003773- | ↔ mm | | Pliers | Ø Inch | Ø mm | Inch | g |
|---|---|---|---|---|---|---|---|---|
| **83 10 010** | 014188 | 310 | | | 1 5/8 | 42 | 1 | 779 |
| **83 10 015** | 014195 | 420 | | | 2 3/8 | 60 | 1 1/2 | 1415 |
| **83 10 020** | 014201 | 560 | ∠90° | red powder-coated | 2 3/4 | 70 | 2 | 2600 |
| **83 10 030** | 022329 | 650 | | | 4 3/8 | 110 | 3 | 3433 |
| **83 10 040** | 022336 | 750 | | | 5 1/8 | 130 | 4 | 4921 |

# Pipe Wrenches 45°

> Swedish pattern
> 45° angled jaws
> Jaws with offset teeth in opposite direction
> Teeth additionally induction-hardened
> I-beam handle design
> Captive adjusting nut
> Red powder-coated, jaws bright ground
> Chrome vanadium electric steel, forged, multi stage oil-hardened
> DIN 5234



**83 20 015**

| Article No. | EAN 4003773- | ↔ mm | | Pliers | Ø Inch | Ø mm | Inch | g |
|---|---|---|---|---|---|---|---|---|
| **83 20 010** | 014218 | 320 | | | 1 5/8 | 42 | 1 | 817 |
| **83 20 015** | 014225 | 430 | ∠45° | red powder-coated | 2 3/8 | 60 | 1 1/2 | 1408 |
| **83 20 020** | 014232 | 570 | | | 2 3/4 | 70 | 2 | 2596 |





# Pipe Wrenches S-Type

> Slim, S-type jaw
> Jaws with offset teeth in opposite direction
> Teeth additionally induction-hardened
> Three-point contact on pipes, self-locking
> I-beam handle design
> Captive adjusting nut
> Red powder-coated, jaws bright ground
> Chrome vanadium electric steel, forged, multi stage oil-hardened
> DIN 5234



**83 30 015**



| Article No. | EAN 4003773- | ↔ mm | | Pliers | Ø Inch | Ø mm | Inch | g |
|---|---|---|---|---|---|---|---|---|
| **83 30 005** | 025221 | 245 | | red powder-coated | 1 1/2 | 35 | 1/2 | 472 |
| **83 30 010** | 014249 | 320 | | | 1 5/8 | 42 | 1 | 836 |
| **83 30 015** | 014256 | 420 | | | 2 3/8 | 60 | 1 1/2 | 1540 |
| **83 30 020** | 014263 | 540 | | | 2 3/4 | 70 | 2 | 2669 |
| **83 30 030** | 014164 | 680 | | | 4 3/4 | 120 | 3 | 4366 |

# Pipe Wrenches S-Type

PATENTED

## with fast adjustment

> Pinch guard prevents operators' fingers being pinched
> Time-saving, precise adjustment of the gripping width directly on the workpiece at the push of a button
> Less effort required due to self-locking action
> No unintentional shifting of the pliers handles
> High wear resistance due to the additionally hardened teeth
> Maximum load capability thanks to completely hardened handles
> Chrome vanadium electric steel, forged, multi stage oil-hardened



**83 60 010**



**83 61 010**







| Article No. | EAN 4003773- | ↔ mm | | Pliers | Handles | Ø Inch | Ø mm | Inch | g |
|---|---|---|---|---|---|---|---|---|---|
| **83 60 010** | 075424 | 330 | | red powder-coated | | 1 5/8 | 42 | 1 | 955 |
| **83 60 015** | 075677 | 420 | | | | 2 3/8 | 60 | 1 1/2 | 1470 |
| **83 60 020** | 078838 | 560 | | | | 2 3/4 | 70 | 2 | 2420 |
| **83 61 010** | 077602 | 330 | | grey powder-coated | plastic coated | 1 5/8 | 42 | 1 | 955 |
| **83 61 015** | 077619 | 420 | | | | 2 3/8 | 60 | 1 1/2 | 1470 |
| **83 61 020** | 078876 | 560 | | | | 2 3/4 | 70 | 2 | 2480 |

# Siphon and Connector Pliers

## for traps, tube fittings and connectors

- Fine adjustment for ideal adjustment to diverse diameters
- For siphons, oil filters, plastic pipes and connectors up to 80 mm diameter
- Robust, heavy duty

> Ideal for tightening and loosening siphon screw connections, plastic pipe fittings and round union nuts
> For connectors and couplings with screw connection, such as Cannon circular connectors
> For gentle loosening of hoses on nozzles and filter cartridges
> Optimum adhestion on dirt-, oil- and fatfree surfaces
> 25 adjustment positions, box-joint design
> Ergonomic handle geometry
> Chrome vanadium electric steel, forged, oil-hardened
> DIN ISO 8976

**81 01 250 / 81 03 250**
> With serrated gripping jaws; up to Ø 80 mm

**81 11 250 / 81 13 250**
> With exchangeable plastic jaws for sensitive surfaces; up to Ø 75 mm




81 01 250




81 03 250




81 11 250




81 13 250








| Article No. | EAN 4003773- | ↔ mm | | Pliers | Head | Handles | Working Capacity Ø mm | Adjustment positions | ⚖ g |
|---|---|---|---|---|---|---|---|---|---|
| **81 01 250** | 078463 | 250 | | black atramentized | polished | with non-slip plastic coating | 25 - 80 | 25 | 355 |
| **81 03 250** | 078487 | 250 | | chrome plated | polished | with non-slip plastic coating | 25 - 80 | 25 | 355 |
| **81 11 250** | 078470 | 250 | | black atramentized | polished | with non-slip plastic coating | 10 - 75 | 25 | 355 |
| **81 13 250** | 078494 | 250 | | chrome plated | chrome plated | with non-slip plastic coating | 10 - 75 | 25 | 355 |

| | | |
|---|---|---|
| **81 19 250 V01** | 078500 | 2 pairs of plastic inserts 1C for 81 11 250 / 81 13 250 |
| **81 19 250 V02** | 086550 | 2 pairs of plastic inserts 2C for 81 11 250 / 81 13 250 |

# Pipe Cutter



**Award-winner:**
Winner of the EISEN Innovation Award 2020

| | |
|---|---|
| Pipe cutters for multilayer and pneumatic hoses | 124 |
| KNIPEX PlastiCut® – Cutter for flexible hoses and plastic conduit pipes | 124 |
| KNIPEX TwistCut® – Corrugated pipe cutters | 125 |
| KNIPEX BiX – Cutter for plastic pipes and sealing sleeves | 126 |
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| Pipe Cutter for composite pipes and protective tubes | 128 |
| Pipe Cutter for composite and plastic pipes | 128, 130 |
| Pipe Cutter for plastic composite pipes | 129 |
| KNIPEX TubiX® – Pipe Cutter | 131 |
| KNIPEX TubiX® XL – Pipe Cutter | 132 |
| Pipe Cutter for plastic conduit pipes | 133 |

# Pipe cutters for multilayer and pneumatic hoses

- Ideal for all liquid, multilayer and pneumatic hoses/pipes commonly available on the market in the wide application range from Ø 4 – 20 mm
- With universal support for right-angled positioning
- Easy on the hands even in continuous use thanks to low force required and automatic opening thanks to the spring mechanism




**90 10 185**

> Exchangeable blade
> With opening spring and locking device
> Ergonomically designed glass-fibre reinforced plastic handles
> Not suitable for cutting cables
> Blade made of high-strength special grade steel, oil-hardened and tempered



| Article No. | EAN 4003773- | ↔ mm | Cutting capacities Ø mm | ⚖ g |
|---|---|---|---|---|
| **90 10 185** | 084846 | 185 | 4 – 20 | 175 |
| **90 29 01** | 031932 | Spare blade for 90 25 20 / 90 10 185 / 90 25 185 | | |

# KNIPEX PlastiCut®

## Cutter for flexible hoses and plastic conduit pipes

> For cutting thin walled plastic pipes (conduit plastic pipes) and flexible hoses, also with fabric reinforcement, of plastic and rubber up to 25.0 mm / 1" exterior dia.
> Not suitable for cutting cables
> With opening spring and locking device
> Blades: special tool steel, oil-hardened, interchangeable
> Tool body: plastic, fibreglass-reinforced







With replaceable blade




**90 20 185**

| Article No. | EAN 4003773- | ↔ mm | | Cutting capacities Ø mm | ⚖ g |
|---|---|---|---|---|---|
| **90 20 185** | 067122 | 185 | ⩙ | 25 | 172 |
| **90 29 185** | 067139 | Spare blade for 90 20 185 | | | |

# KNIPEX TwistCut®

## Corrugated pipe cutters

> For corrugated plastic pipes from Ø 13 – 32 mm and a ridge width of up to 2.7 mm
> For cutting empty or ready-assembled corrugated pipes to length
> Application in the electrical and construction trades and for plumbing work
> Recessed blades prevent injuries
> Exact, flush cut, without damaging the internal cables
> Cut on the outside of fluting – no sharp raw edge inside the corrugated pipe
> Fast and reliable work
> Simple insertion of the corrugated pipe for reliable and simple cutting: no waste
> In the case of thick-walled corrugated pipes, reapply after the circular cut just behind the cut, and break off the corrugated pipe
> Slim and ergonomically shaped for work in poorly accessible areas
> Double-sided guide for a precise cut
> For corrugated pipes with Ø of 13 – 32 mm
> Body made of stable polyamide compound plastic




**90 22 01 SB**



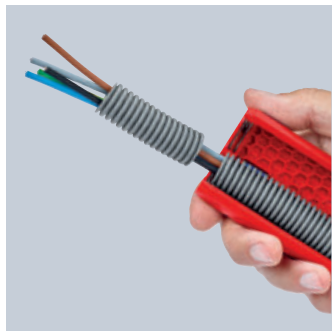

**90 22 02 SB**



Convenient handling due to fastener with locking device and opening by means of internal spring



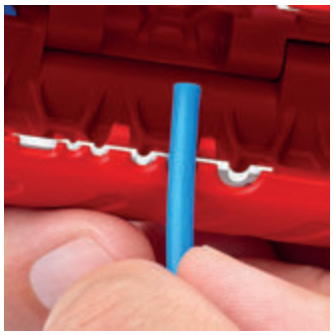
Also for protective pipes on aluminium composite pipes in plumbing, up to a diameter of 32 mm



Clean cutting edge with no damage to internal cables as the cut is always at the top of the corrugation



Easy to use: press KNIPEX TwistCut® together, turn with slight pressure, done



90 22 02 SB: Practical locator simplifies the insertion of single conductors for stripping



90 22 02 SB: Injection moulded length scale for consistent stripping to a uniform length, legible for left and right handed users

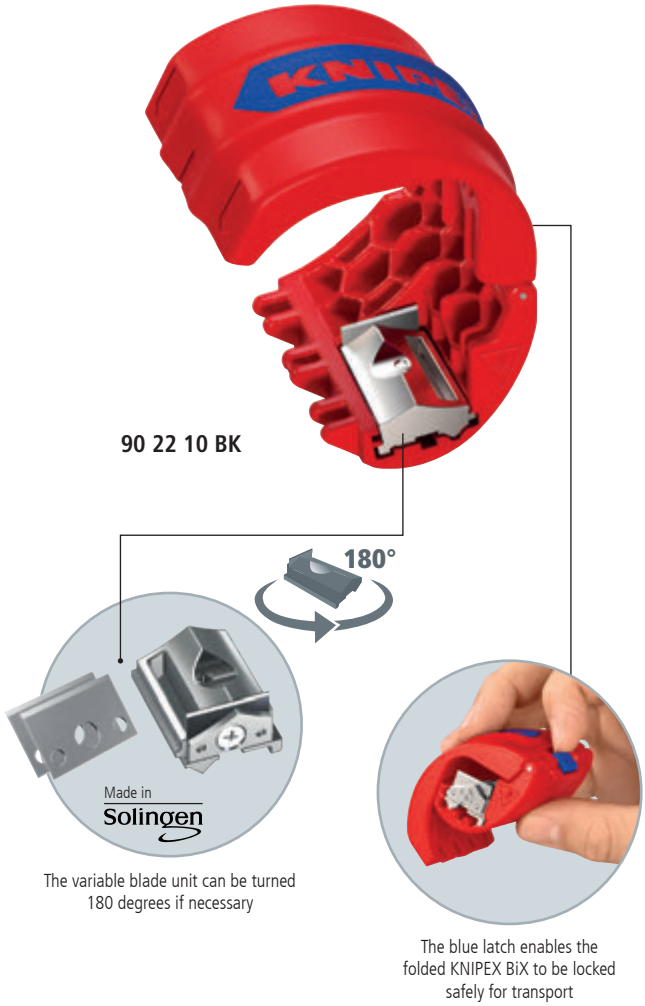
| Article No. | EAN 4003773- | ↔ mm | | Cutting capacities Ø mm | Wire stripping value for conductors and strands Ø mm | ⚖ g |
|---|---|---|---|---|---|---|
| **90 22 01 SB** | 082286 | 100 | ⋀⋀⋀ | 13 – 32 | | 47 |
| **90 22 02 SB** | 082293 | 100 | ⋀⋀⋀ | 13 – 32 | 0.2 – 4 | 47 |

# KNIPEX BiX
# Cutter for plastic pipes and sealing sleeves

## Practical tool for plumbers and electricians: Cuts plastic pipes and sealing sleeves quickly and efficiently

- Clever pipe cutter: Cuts pipes without shavings and fits comfortably in the hand
- Can cut high-temperature plastic drain pipes and electrical conduits in next to no time
- Can be used to cut sealing sleeves during final assembly – close to the wall, standard-compliant

> Cuts unreinforced plastic pipes from Ø 20 to 50 mm with a wall thickness of up to 2.4 mm
> Cuts pipes quickly, cleanly and without shavings
> Cuts sealing sleeves approx. 2 – 3 mm from the wall
> Rotatable knife block for cutting plastic pipes (blade in the middle) and sealing sleeves (blade outside)
> With locking mechanism for safe transport
> Two spare blades integrated in the tool
> Tool made of stable, reinforced plastic, die-cast zinc blade unit
> Blades made of special surgical stainless steel – Made in Solingen




The variable blade unit can be turned 180 degrees if necessary

The blue latch enables the folded KNIPEX BiX to be locked safely for transport



Practical, quick and clean: Plastic pipes can be cut in no time and sections are held securely in the tool

**Follow DIN 18534 standards in your work right now:**
Drip and sealing sleeves protect walls against long-term damage from leaks.



The unique design of the rotating blade unit means that drip and sealing sleeves can be reliably cut 2 to 3 mm from the wall, so that moisture can be safely drawn away

| Article no. | EAN 4003773- | ↔ mm | Cutting values for HT and plastic pipes Ø mm | Cutting values for sealing sleeve Ø mm | ⚖ g |
|---|---|---|---|---|---|
| **90 22 10 BK** | 087311 | 72 | 20 – 50 | 20 – 50 | 108 |
| **90 22 10 E01** | 087564 | Spare blades for 90 22 10 BK | | | 8 |

# KNIPEX DP50

## Pipe Cutter for plastic drain pipes

## One tool, two functions, three diameters: cut common domestic plastic wastewater pipes quickly and easily

- Cut and chamfer all common domestic plastic drain pipes up to Ø 50 mm in a single operation
- Reversible high-quality ball-bearing steel blade, can be easily replaced without tools
- Clean cut: no readjusting or deburring required, reducing potential blockages or damages of the seals

> Cuts high temperature and other plastic pipes with Ø 32, 40 or 50 mm and wall thicknesses up to 2.4 mm
> Optimal cutting due to slide-bearing and self-adjusting guide rolls
> Easy positioning due to clear view of cutting point
> Spring-loaded blade: no inconvenient readjusting while cutting
> Exchangeable blade with two cutting edges can be reversed when showing signs of wear
> Cuts lengths as small as 10 mm
> Durable housing made of glass fibre reinforced plastic



Squeeze the blue lever to position the blade against the pipe



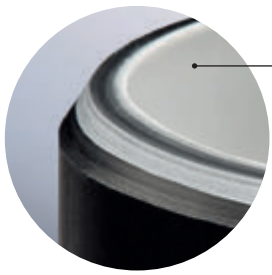
**90 23 01 BK**



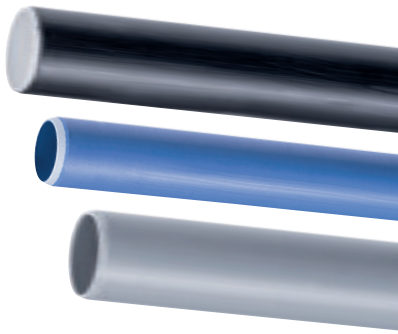
Once in place, the spring-loaded blade exerts enough pressure for the cut – no readjustment necessary!

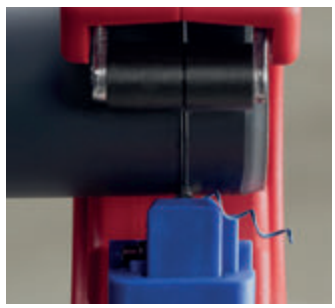



Three diameters with one tool: the pipe diameter can be preset with the metal adjuster



In a single operation the blade cuts the pipe and forms the chamfer for a proper connection





Segments as short as 10 mm can be cut. The spiral chip comes from chamfering



When worn, the blade can be reversed or replaced without the need for tools

| Article no. | EAN 4003773- | ⟷ mm | Ø mm | ⚖ g |
|---|---|---|---|---|
| **90 23 01 BK** | 087809 | 202 | 32 / 40 / 50 | 294 |
| **90 23 01 E01** | 088103 | Double-sided spare blade for 90 23 01 | | 6 |
| **90 23 01 E02** | 088110 | Spare locking pin for blade for 90 23 01 | | 3 |

# Pipe Cutter

## for composite pipes and protective tubes

> For cutting composite pipes with diameters from 12.0 to 25.0 mm and for cutting flexible protective tubes with a diameter of 18.0 – 35.0 mm without damaging a potential pipe inside
> A calibration arbor can be fitted, for example for Geberit composite pipes with 11.5 and 15.0 mm dia.
> Blades: special tool steel, oil-hardened, interchangeable
> Tool body: high-grade chrome vanadium electric steel, oil-hardened




**90 25 20**



Clean cut of protective tubes 18 - 35 mm diameter



Composite pipes of 12 - 25 mm dia. are cut cleanly and without deformation

| Article No. | EAN 4003773- | ↔ mm | | Tool | Handles | Cutting capacities composite pipes Ø mm | Cutting capacities protective tubes Ø mm | Blade length mm | ⚖ g |
|---|---|---|---|---|---|---|---|---|---|
| **90 25 20** | 046004 | 210 | | galvanized | with multi-component grips | 12 – 25 | 18 – 35 | 25 | 332 |

| | | |
|---|---|---|
| **90 29 01** | 031932 | Spare blade for 90 25 20 / 90 10 185 / 90 25 185 |
| **90 29 02** | 031949 | 1 pair of spare blades for 90 25 20 (protective pipes) |
| **90 29 15** | 031956 | Calibration arbor for 90 25 20 (Geberit pipes) |

# Pipe Cutter

## for composite and plastic pipes

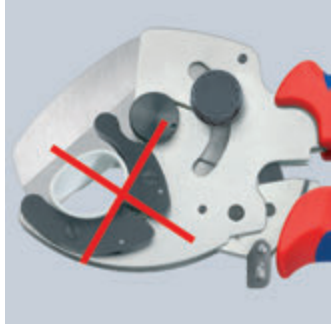
> For cutting thick walled plastic and composite pipes with diameters
> Cuts pipes using the ratchet principle in several strokes
> Self-adapting pipe support positions pipes of various diameters correctly for a rectangular cut
> Blades: special tool steel, oil-hardened, interchangeable
> Tool body: high-grade chrome vanadium electric steel, oil-hardened




**90 25 40**



Clean cut of thick walled plastic and composite pipes



Not suitable for thin-walled plastic pipes. Please use article number 90 20 185 or 94 10 185 for these




| Article No. | EAN 4003773- | ↔ mm | | Tool | Handles | Cutting capacities Ø mm | Cutting edge length mm | ⚖ g |
|---|---|---|---|---|---|---|---|---|
| **90 25 40** | 045182 | 210 | | galvanized | with multi-component grips | 26 – 40 | 40 | 500 |

| | | |
|---|---|---|
| **90 29 40** | 045199 | Spare blade for 90 25 40 |

# Pipe Cutter for plastic composite pipes

- For cutting composite pipes from Ø 12 – 25 mm
- Clean, smooth and burr-free cut surfaces
- Easily exchangeable blades

> With opening spring and locking device
> Ergonomically designed glass-fibre reinforced plastic handles
> Not suitable for cutting cables
> Blade made of high-strength special grade steel, oil-hardened and tempered




**90 25 185**




The high-strength, sharp blade cuts composite and plastic pipes smoothly and free of burr

| Article No. | EAN 4003773- | ↔ mm | Cutting capacities Ø mm | ⚖ g |
|---|---|---|---|---|
| **90 25 185** | 084839 | 185 | 12 – 25 | 175 |
| **90 29 01** | 031932 | Spare blade for 90 25 20 / 90 10 185 / 90 25 185 | | |



# Pipe cutter for composite and plastic pipes

## This intelligent combination of shears and pipe cutter cuts more easily than conventional shears with a fixed blade

- Up to 60 % less effort: the freely rotating cutting wheel allows the pipe to be rotated with minimal friction when cutting
- Optimal cutting results: the rotation allows the cutting wheel to penetrate the pipe effortlessly with minimal deformation
- Wide plastic supports allow perfect right-angled cuts

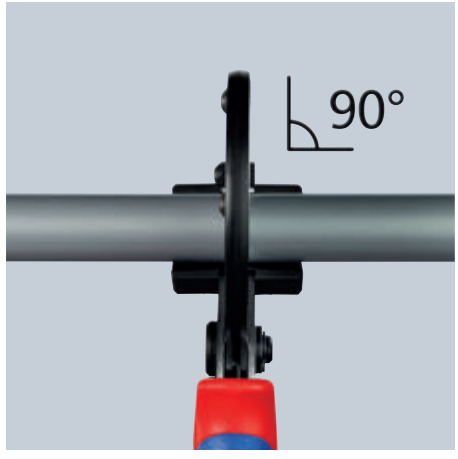
> Cuts aluminium composite and plastic conduit pipes more easily than conventional shears with a fixed blade
> Also suitable for composite pipes with increased aluminium layer thickness (e.g. Geberit Mepla)
> For cutting composite and plastic conduit pipes up to Ø 26 mm
> Allows for very short correction sections
> With locking mechanism for safe transport
> With ergonomic multi-component grips
> Oil hardened, replaceable cutting wheel made of special tool steel
> Replacement cutting wheel available (Art. No. 90 25 25 E01)
> Special quality chrome vanadium electric steel, oil-hardened



Makes cutting particularly easy: the rotating cutting wheel allows the pipe to be rotated in the pipe cutter with little friction, or, vice versa, the pipe cutter can be rotated around the pipe.

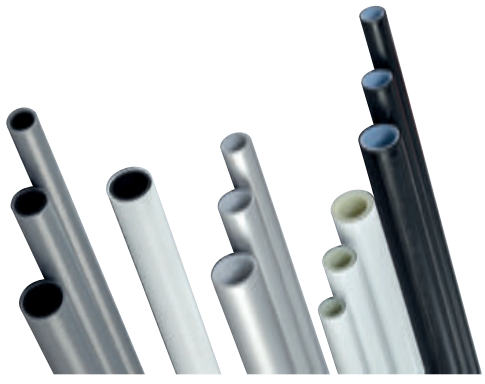


The rotary movement means the pipe can also be cut with little pressure, minimising deformation.




The wide plastic supports opposite the cutting wheel allow perfect right-angled cuts.



The pipe cutter cuts all common composite and plastic conduit pipes with diameters of up to 26 millimetres. Its robust construction means it is also suitable for composite conduit pipes with increased aluminium layer thickness.

| | Capacity Ø mm | ⚖ g |
|---|---|---|
| **90 25 25** | up to 26 | 390 |
| **90 25 25 E01** | Spare cutting wheel | |

# KNIPEX TubiX Pipe Cutter

## Faster, easier and more precise: cuts copper, brass and stainless steel pipes

- QuickLock single-handed quick adjustment: slide on, cut – finished!
- Easy one-handed pushing for quick adjustment to different tube sizes
- Comfortable and easy working thanks to high-quality needle bearings in the cutting wheel and the guide rolls

> Cuts pipes from Ø 6 – 35 mm (1/4" – 1 3/8") with wall thickness up to 2 mm
> Cutting wheel made of high-grade ball-bearing steel
> Practical quick replace system for the cutting wheel – with spare wheel stored under the feeding barrel
> With precision-ground deburring tool, easy to remove
> For the electric trade: Also suitable to cut rigid steel conduits
> Light and durable metal enclosure of magnesium

The overall length does not change during operation



**90 31 02**



The needle-beared and spring-loaded cutting wheel made of high-quality ball bearing steel is easily exchangeable



The spring-loaded cutting wheel can be pushed and fixed on the diameter of the pipe with the single-handed quick adjustment



For cutting copper, brass and stainless steel pipes with wall thickness up to 2 mm and diameters of 6 – 35 mm (1/4" – 1 3/8")



Speed in everyday operation: the QuickLock single-handed quick adjustment enables the cutting wheel to slide onto any pipe diameter with a single press of the thumb



High-quality needle bearings enable the cutting wheel and the four guide rollers to operate virtually without any friction during the cutting – cuts stainless steel pipes with particular ease

## Four steps to success – how the KNIPEX TubiX pipe cutter helps you in your work




Cutting now made easy: position the opened KNIPEX TubiX…




Push the cutting wheel against the pipe with the QuickLock single hand quick adjustment: fastest adjustment to different pipe diameters




Tighten and cut with a swift twist and then readjust using the ergonomic blue feeding barrel...




and you're done! If necessary, have the edge smoothed out using the fold-out deburring tool – with surprisingly little effort

| Article No. | EAN 4003773- | ←→ mm | Ø mm | Ø Inch | ⚖ g |
|---|---|---|---|---|---|
| **90 31 02 SB** | 084686 | 180 | 6 – 35 | 1/4" – 1 3/8" | 375 |
| **90 31 02 BK** | 084907 | 180 | 6 – 35 | 1/4" – 1 3/8" | 375 |

| | | | |
|---|---|---|---|
| **90 39 02 V01** | 085874 | Cutting wheel INOX Cu for 90 31 02 | 8 |
| **90 39 02 V02** | 085881 | Deburring tool for 90 31 02 | 7 |
| **90 39 02 V03** | 086307 | 5x Cutting wheel INOX Cu for 90 31 02 | 25 |

WINNER EISEN INNOVATION-AWARD 2020 EISENWARENMESSE

# KNIPEX TubiX XL Pipe Cutter

## Significantly easier pipe cutting due to the combination of the QuickLock mechanism and guide rollers with needle-bearings

- Spring-loaded QuickLock mechanism holds the tool on the pipe once locked in place
- Precise and quick: exact positioning of the cutting wheel on the pipe
- High-quality needle-bearings enable the cutting wheel and four guide rollers to cut with ease

> Cuts pipes from Ø 6 – 76 mm (1/4" – 3") and a wall thickness up to 2 mm
> Cutting wheel made of high-grade ball-bearing steel
> Quick replacement of the cutting wheel without any tools needed – spare cutting wheel stored in the handle
> Lightweight and durable aluminium housing
> Removable, precision-ground deburring tool
> For plumbing, heating and air conditioning: easily cut gas and water pipes made of copper, brass and stainless steel
> For the electrical trade: cuts rigid steel conduits and for stripping steel wire armoured cables



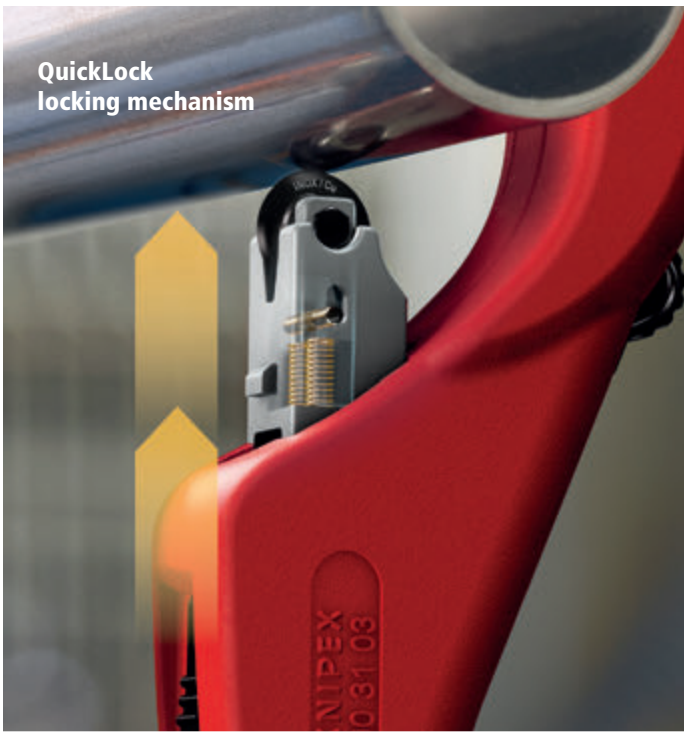
**90 31 03**



The needle-beared and spring-loaded cutting wheel made of high-quality ball bearing steel is easily exchangeable



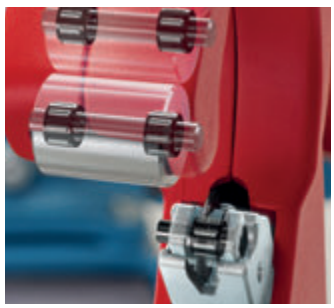
For cutting copper, brass and stainless steel pipes with a wall thickness up to 2 mm and diameters from 6 to 76 mm (1/4"–3")




The spring-loaded cutting wheel keeps the KNIPEX TubiX® XL in place and prevents slipping



In one easy step, the KNIPEX TubiX® XL can be positioned quickly and precisely on all pipes with a diameter between 6 and 76 mm



High-quality needle-bearings in the guide rollers and the cutting wheel reduce the friction for easier cutting.



A spare cutting wheel is stored in the blue handle for quick replacement



The precisely ground deburring tool can be taken out of the tool when needed.

| Article no. | EAN 4003773- | ◄–► mm | Ø mm | Ø Inch | ⚖ g |
|---|---|---|---|---|---|
| **90 31 03 BK** | 088127 | ca. 256 | 6 – 76 | 1/4 – 3 | 865 |

| | | | |
|---|---|---|---|
| **90 31 03 E01** | 088134 | Deburring tool for KNIPEX TubiX® XL 90 31 03 | 7 |
| **90 39 02 V01** | 085874 | Cutting wheel for stainless steel and copper for KNIPEX TubiX® 90 31 02 and KNIPEX TubiX® XL 90 31 03 | 9 |
| **90 39 02 V03** | 086307 | 5 x Cutting wheel for stainless steel and copper for KNIPEX TubiX® 90 31 02 and KNIPEX TubiX® XL 90 31 03 | 25 |

# Pipe Cutter

## for plastic conduit pipes (electrical installation work)

> For clean cutting of thin-walled plastic pipes (e.g. plastic conduit pipes) with Ø 6.0 – 35.0 mm
> Not suitable for cutting cables
> Blade is replaceable and can be retracted from any position
> Low force requirement due to special blade geometry and optimum transmission
> Minimum operator fatigue due to ergonomic handle design and incremental ratchet blade feed
> Blade: special tool steel, oil-hardened
> Housing: die-cast aluminium, red lacquered



**94 10 185**









| Article No. | EAN 4003773- | ↔ mm | | Body | Cutting capacities Ø mm | Cutting edge length mm | ⚖ g |
|---|---|---|---|---|---|---|---|
| **94 10 185** | 047025 | 185 | | die-cast aluminium body, red lacquered | 6 – 35 | 35 | 583 |
| **94 19 185** | 047032 | Spare blade for 94 10 185 | | | | | |
| **94 19 02** | 052333 | Blade support for 94 15 215 | | | | | |

# Special Pliers and Control Cabinet Keys



| | |
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# Ear Clamp Pliers

## Suitable for universal use, for 1-ear and 2-ear clamps

> For the simple and reliable mounting of 1-ear and 2-ear clamps (Oetiker system or similar)
> No damage to press points on the ear clamps
> The slim head permits good accessibility in confined areas
> Versatile use for clamps on CV boots, cooler and fuel lines, air pressure systems, compressors
> Durable and strong
> High-grade special tool steel, forged, oil-hardened

**10 99 I220**
> Especially suitable for universal use thanks to the additional side jaw



**10 98 I220**



**10 99 I220**









Sealing the fluid hose on the connecting piece using the side press nib





Using the front press nib



Sealing the pneumatic hose on the quick action coupling

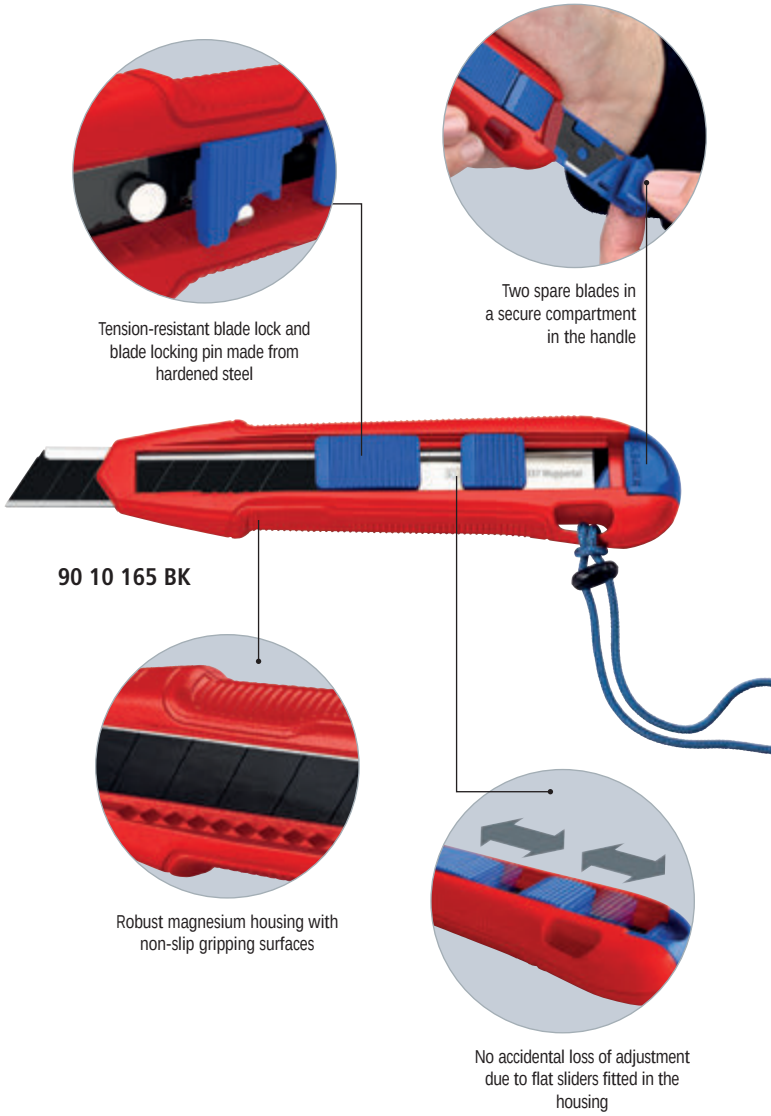
| Article No. | EAN 4003773- | ↔ mm | Pliers | Head | Handles | ⚖ g |
|---|---|---|---|---|---|---|
| **10 98 I220** | 080749 | 220 | black atramentized | polished | plastic coated | 363 |
| **10 99 I220** | 080756 | 220 | black atramentized | polished | plastic coated | 345 |

# KNIPEX CutiX
# Universal knife

## A reliable helper with individually adjustable blade stabilisation: The blade cannot be accidentally bent or broken

- Innovative and variably extendable stabilisation bar: versatile, precise, and faster cutting
- Exert targeted pressure on the back of the blade without risk of injury, no unintentional bending or breaking of the blade
- Robust, durable magnesium housing: as light as plastic, strong as die-cast aluminium
- Fixed blade due to high-quality blade locking: Secure fit when cutting, pushing and scraping

> Handy: 165 mm long, weight approx. 144 g
> Original equipment with high quality snap-off blades with two spare blades in the handle drawer which can be changed without any tools
> Suitable for standard 18 mm blade types: smooth, curved and with hooks
> Fits comfortably in the hand due to its slim shape and numerous grip zones: firm and non-slip grip, comfortable hold
> Flat, ergonomic slides seperately for blade and stabilisation bar, no accidental activation of the slides
> Realible blade holder: Secure hold of the blade thanks to hardened steel pin
> When the rear end of the handle is closed, the blade slider and blade cannot slip out
> Tether attachment point for tool protection with KNIPEX Tethered Tools System

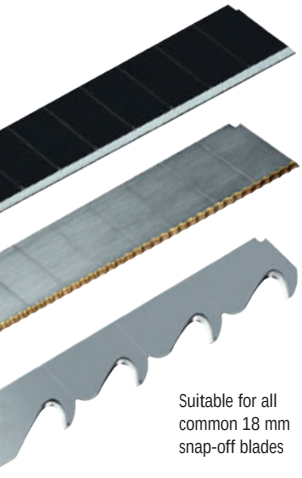



Tension-resistant blade lock and blade locking pin made from hardened steel

Two spare blades in a secure compartment in the handle

Robust magnesium housing with non-slip gripping surfaces

No accidental loss of adjustment due to flat sliders fitted in the housing



Suitable for all common 18 mm snap-off blades



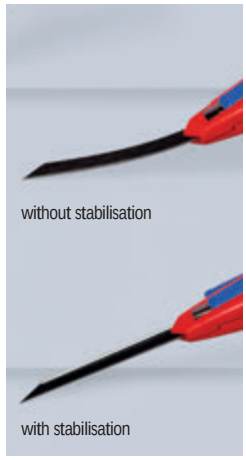
Quickly sharp again: The blades can be switched without any tools by just one push of the button.



Ergonomic shape with numerous grip zones ensures safe and precise work.



The innovative blade stabilisation allows you to apply more secure pressure directly on the blade.




Variable: Depending on your needs, the blade can be used rigidly or flexibly.

| Article no. | EAN 4003773- | ◂▸ mm | ⚖ g |
|---|---|---|---|
| **90 10 165 BK** | 087533 | 165 | 144 |
| **90 10 165 E01** | 087557 | Spare part set for stabilisation bar for 90 10 165 BK | |

# Anvil Shears

> Drawing cut against firm surface for cutting soft materials without damage, e.g. rubber profiles, PVC, leather, wood, hoses etc.
> Cuts flat material with a max. width of 40 mm and height of 7.5 mm
> Cutting capacity for round material up to Ø 25 mm
> Strong, replaceable blade
> With opening spring and locking device
> Tool body: tool steel, rolled, oil-hardened



**94 55 200**









| Article No. | EAN 4003773- | ↔ mm | | Tool | Handles | Blade length mm | ⚖ g |
|---|---|---|---|---|---|---|---|
| **94 55 200** | 080763 | 200 | | chrome plated | with plastic grips | 40 | 290 |
| **94 59 200 01** | 080916 | Spare blade for 94 55 200 | | | | | |

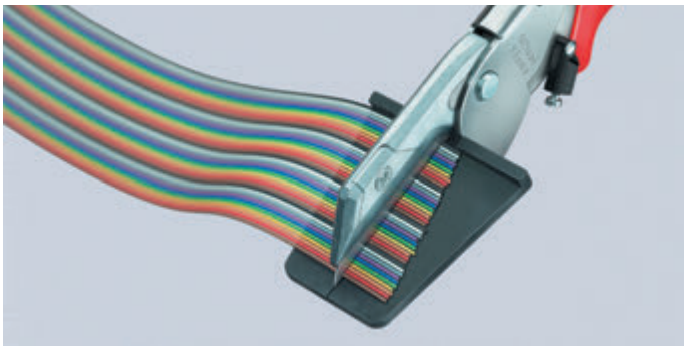
# Cutter

## for ribbon cable

> For crush-free cutting of ribbon cable up to 56 mm width
> Exchangeable cutting base with try square for rectangular cuts
> With opening spring and locking device
> Blade: standard trapezoidal blade, replaceable
> Tool body: tool steel, rolled, oil-hardened



**94 15 215**



| Article No. | EAN 4003773- | ↔ mm | | Tool | Handles | Blade length mm | ⚖ g |
|---|---|---|---|---|---|---|---|
| **94 15 215** | 046011 | 215 | | chrome plated | with plastic grips | 56 | 346 |
| **94 19 02** | 052333 | Blade support for 94 15 215 | | | | | |
| **94 19 215** | 046219 | Set with 10 spare blades for 94 15 215 / 94 35 215 | | | | | |

# Mitre Shears

## for plastic and rubber sections

> For crush-free cutting of plastic, rubber and soft timber sections; also for ribbon cable
> Exchangeable cutting base with try square for 45°-cuts and markings for 60°-, 75°-, and 90°-cuts
> With opening spring and locking device
> Blade: standard trapezoidal blade, replaceable
> Tool body: special tool steel, rolled, oil-hardened









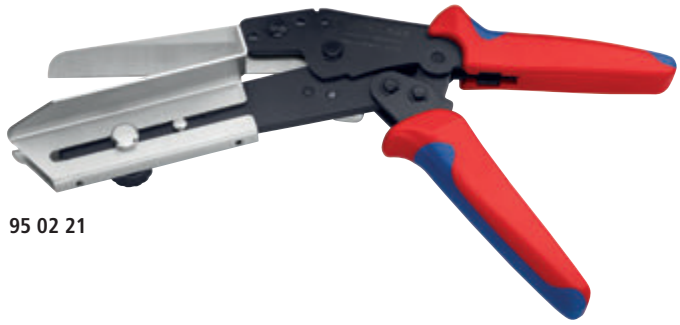
94 35 215

| Article No. | EAN 4003773- | ↔ mm | | Tool | Handles | Blade length mm | ⚖ g |
|---|---|---|---|---|---|---|---|
| **94 35 215** | 046028 | 215 | | chrome plated | with plastic grips | 56 | 397 |
| **94 19 215** | 046219 | Set with 10 spare blades for 94 15 215 / 94 35 215 | | | | | |

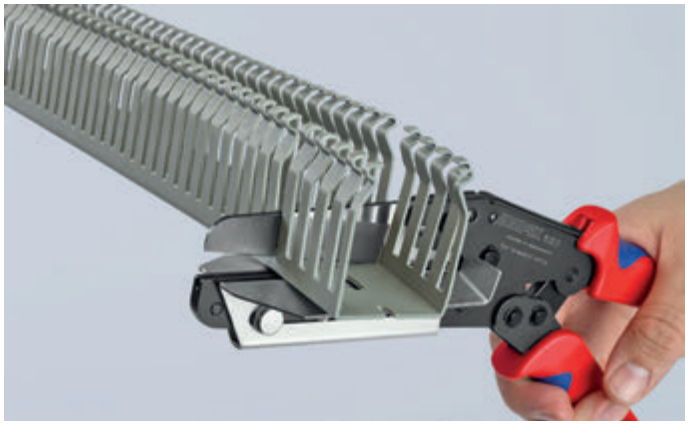
# Vinyl Shears

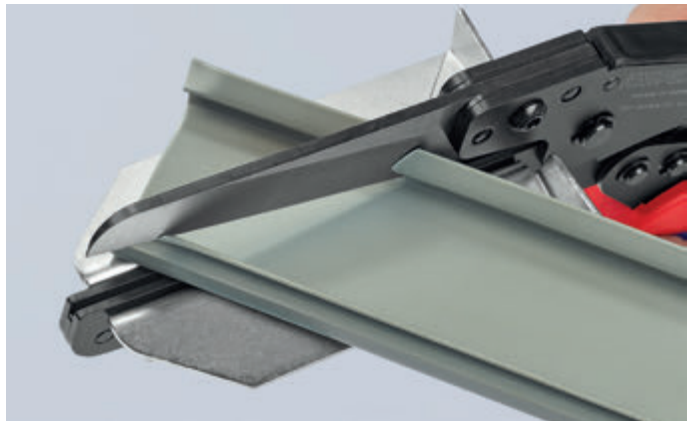
## also for cable ducts

> For cutting and shortening cable ducts, also for plastic material
> Special lever transmission
> Very effective blade geometry
> Blade: special tool steel, oil-hardened
> Tool body: high-grade chrome vanadium electric steel, oil-hardened



95 02 21





Blade length 110 mm for cutting wide cable ducts

| Article No. | EAN 4003773- | ↔ mm | | Tool | Handles | Cutting capacities mm | Blade length mm | ⚖ g |
|---|---|---|---|---|---|---|---|---|
| **95 02 21** | 052128 | 275 | PATENTED | burnished | with multi-component grips | max. 4 | 110 | 665 |

# Shears

## for KEVLAR® fibres

> Only for cutting fibres of KEVLAR® in optical fibre cables, not recommended for other materials
> Precisely ground blades with serration prevent the fibres from slipping and guarantee a clean cut
> Riveted precision joint, for low-friction movement and smooth and even cutting of the thin KEVLAR® fibres
> Hard-chrome plated, ground surface
> Shears body: chrome vanadium electric steel, oil-hardened
> User-friendly handles: plastic, impact-proof



95 03 160 SB



KEVLAR® is a registered trademark of E. I. du Pont de Nemours and Company

| Article No. | EAN 4003773- | ↔ mm | Shears | Handles | ⚖ g |
|---|---|---|---|---|---|
| **95 03 160 SB** | 043362 | 160 | chrome plated | plastic coated | 85 |

# Combination Shears

> For cutting cardboard, plastics, aluminium, brass and copper foils
> Not suitable for steel wire or iron sheets
> Precision-ground, hardened blades
> With opening spring and locking device
> Pinch guard prevents operators' fingers being pinched
> Adjustable bolted joint
> Shears body: surgical steel, stainless, vacuum-hardened
> Handles: plastic, impact-proof

**95 05 185**
> Angled shape – for easy execution of long cuttings; ergonomically shaped plastic handles




95 05 140




95 05 185




95 05 190



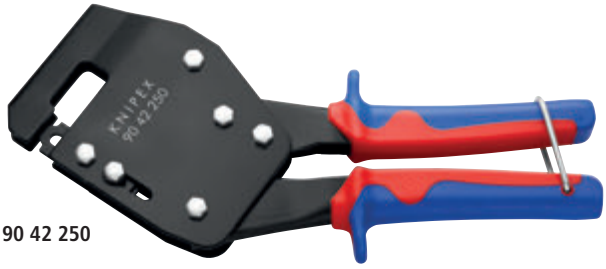


| Article No. | EAN 4003773- | ↔ mm | | Head | Handles | ⚖ g |
|---|---|---|---|---|---|---|
| **95 05 140** | 019589 | 140 | ⋀⋀ | polished | plastic coated | 67 |
| **95 05 185** | 060277 | 185 | ∠40° ⋀⋀ | polished | plastic coated | 115 |
| **95 05 190** | 019602 | 190 | ⋀⋀ | polished | plastic coated | 116 |

# Punch Lock Riveters

> To join metal section sheets used in dry walling for dividing walls and drop ceilings, without needing screws or rivets
> For U- and C-shaped sections with max 1.2 mm metal (2 x 0.6 mm)
> Minimum handforce required due to optimum lever transmission
> Pliers body: special tool steel, rolled, oil-hardened

**90 42 250**
> For one-hand operation



**90 42 250**



**90 42 340**



The punching tool is squeezed through the metal section sheets



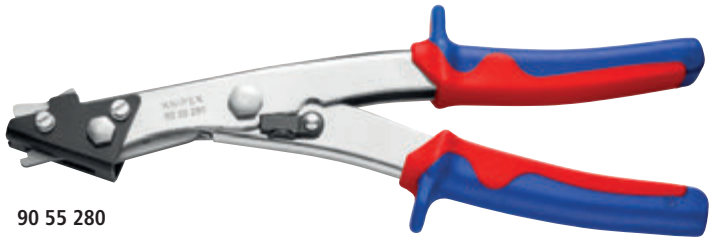
Setting the pliers for connection of two metal section sheets

| Article No. | EAN 4003773- | ↔ mm | | Pliers | Handles | Capacity | ⚖ g |
|---|---|---|---|---|---|---|---|
| **90 42 250** | 047865 | 250 | ⩙ | burnished | with multi-component grips | max. 1.2 (2 x 0.6) | 676 |
| **90 42 340** | 071884 | 340 | | burnished | with multi-component grips | max. 1.2 (2 x 0.6) | 901 |

| | | |
|---|---|---|
| **90 49 340** | 028079 | Spare punch for 90 42 340 |
| **90 49 340 M** | 028499 | Spare die for 90 42 340 |

# Sheet Metal Nibbler

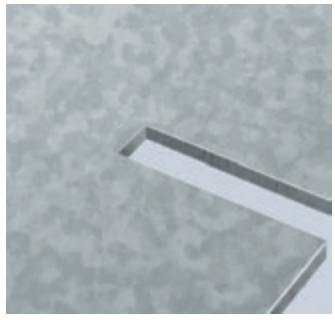
> For cutting iron, copper or aluminium sheet metal up to max. 1.2 mm thickness, plastic up to max. 2.0 mm thickness
> Materials are cut without deformation
> Clean cut edges – no trimming activities needed
> With chip breaker
> Easy handling
> Cutting width: 2.7 mm
> Blades: special tool steel, oil-hardened, interchangeable
> Tool body: special tool steel, rolled, oil-hardened



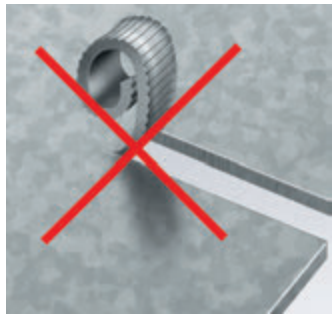
**90 55 280**

| Article No. | EAN 4003773- | ↔ mm | | Tool | Handles | ⚖ g |
|---|---|---|---|---|---|---|
| **90 55 280** | 026730 | 280 | ⩙ | nickel plated | with multi-component grips | 461 |

| | | |
|---|---|---|
| **90 59 280** | 027355 | Spare blade for 90 55 280 |



Notching and chip breaking in a single pass



Notching without chip breaking

# Notching Pliers

> Special pliers for notching recesses into plastic ledges and plastic casings for electric and sanitary installation
> Notches can be enlarged by initial and final cut
> Clean cut edges – no trimming activities needed
> Easy handling
> With opening spring, opening limiter and locking lever
> Pliers body: special tool steel, rolled, oil-hardened



**90 61 16**



**90 61 20**

The KNIPEX Notching Pliers produces the most common notches in plastic ledges and cable ducts in a simple, fast and clean way. No time-consuming sawing out or nibbling and no additional work required.





| Article No. | EAN 4003773- | ↔ mm | | Pliers | Handles | Capacity | ⚖ g |
|---|---|---|---|---|---|---|---|
| **90 61 16** | 051947 | 250 | PATENTED | burnished | with plastic grips | 16 x 32 mm | 403 |
| **90 61 20** | 051954 | 250 | | | | 20 x 29 mm | 414 |

# Cycle Pliers

> For very narrow screw connections
> Special tool steel, forged, oil-hardened

**84 11 200**
> Straight head



**84 11 200**



**84 21 200**

| Article No. | EAN 4003773- | ↔ mm | | Pliers | Head | Handles | Recess Ø mm | Head thickness mm | ⚖ g |
|---|---|---|---|---|---|---|---|---|---|
| **84 11 200** | 052265 | 200 | | black atramentized | polished | plastic coated | 10 | 3.5 | 180 |
| **84 21 200** | 051930 | 200 | ∠20° | black atramentized | polished | plastic coated | 10 | 3.5 | 182 |

# Spring Hose Clamp Pliers

> Rotating, universal grip inserts for reliably gripping the clamps in all positions
> Jaw inserts can also be rotated under load
> Extremely good leverage which allows clamps to be opened easily without great effort
> Slim head design; narrow head width, rotating grip inserts make this an ideal tool, especially in confined areas
> Additional function: detach hoses gently using the serrated jaw
> Chrome vanadium electric steel, forged, oil-hardened

**85 51 250 AF**
> The locking device enables simple and secure work on clamps under tension without effort




**85 51 180 A**




**85 51 250 A**




**85 51 250 AF**








A single pair of pliers for various sizes of clamps and spring band clamps. Rotating jaw inserts enable them to adapt to any position while still guaranteeing that clamps are securely positioned in the pliers.

APPLICATION AREAS CARS/TRUCKSAir suction, cooling, charge air, water return, thermostat, fuel, heating

## The proven features of the KNIPEX Cobra® also apply to the Spring Hose Clamp Pliers

> Less effort required due to extremely good transmission ratio
> First class guard to prevent fingers being pinched
> Reliable gripping with hand-friendly handle position
> Fine adjustment ensures a precise fit to suit the most diverse clamp sizes
> Opens at the touch of a button
> Box-joint design: high stability due to the double guidance

| Article No. | EAN 4003773- | ↔ mm | Pliers | Handles | Capacity | Adjustment positions | ⚖ g |
|---|---|---|---|---|---|---|---|
| **85 51 180 A** | 081159 | 180 | grey atramentized | with non-slip plastic coating | max. 50 mm | 15 | 190 |
| **85 51 250 A** | 077329 | 250 | grey atramentized | with non-slip plastic coating | max. 70 mm | 25 | 345 |
| **85 51 250 AF** | 078623 | 250 | grey atramentized | with non-slip plastic coating | max. 70 mm | 19 | 350 |

| | | |
|---|---|---|
| **85 59 250 A** | 077336 | Spare parts assortment grip inserts, for 85 51 250 A / 85 51 250 AF |

# Hose Clamp Pliers

## for Click clamps

▸ To open and close Click clamps

> Rotating jaw inserts for the safe actuation of clamps in any position
> Good leverage which allows clamps to be opened and closed again comfortably and easily without a great deal of effort
> For easy working on fuel hoses, vacuum pipes and suction nozzles and many other applications
> Additional function: detach hoses gently using the serrated jaw
> Slim head design; narrow head width, rotating grip inserts make this an ideal tool, especially in confined areas
> Chrome vanadium electric steel, forged, oil-hardened



**85 51 180 C**



**85 51 250 C**





Serrated gripping jaws for easy loosening of tight hoses

### The proven advantages of the KNIPEX Cobra®also apply to this Hose Clamp Pliers

> Guard prevents operators' fingers being pinched
> Reliable gripping with hand-friendly handle position
> Box-joint design for high stability due to double guide









| Article No. | EAN 4003773- | ↔ mm | Pliers | Handles | ⚖ g |
|---|---|---|---|---|---|
| **85 51 180 C** | 081166 | 180 | grey atramentized | with non-slip plastic coating | 170 |
| **85 51 250 C** | 078517 | 250 | | | 345 |
| **85 59 250 C** | 078999 | Spare parts assortment grip inserts, for 85 51 180 C / 85 51 250 C | | | |

# Revolving Punch Pliers

> To punch holes into leather, textiles and plastic material
> With six interchangeable punches: 2.0 / 2.5 / 3.0 / 3.5 / 4.0 / 5.0 mm dia.
> With opening spring and locking device
> Powder-coated for reliable protection against rust
> Pliers body and punches: special tool steel, oil-hardened




**90 70 220**





Interchangeable punches



| Article No. | EAN 4003773- | ↔ mm | | Pliers | ⚖ g |
|---|---|---|---|---|---|
| **90 70 220** | 019411 | 220 | | red powder-coated | 251 |

# Tile Nibbling Pincer

## Parrot Beak Pincer

> Enlarges holes in tiles and forms tile edges
> Special tool steel, forged, oil-hardened



**91 00 200**





| Article No. | EAN 4003773- | ↔ mm | Pliers | Head | ⚖ g |
|---|---|---|---|---|---|
| **91 00 200** | 013754 | 200 | black atramentized | polished | 158 |

# Upholstery Pliers

> For the professional fixing of seat covers on profiled seats to the seat frame with all popular upholstery clips
> Securely insert upholstery clips, guide and hold: the special groove fixes the upholstery clips in the correct position
> Easy positioning of the upholstery clips: a closing spring holds the pliers closed, the clip can be securely positioned and pressed
> User-friendly operation thanks to multi-component grips
> Upholstery clips can be easily pressed together due to a good transmission ratio of the pliers
> Durable and strong
> Special tool steel, forged, oil-hardened




**91 92 180**





| Article No. | EAN 4003773- | ↔ mm | Pliers | Handles | ⚖ g |
|---|---|---|---|---|---|
| **91 92 180** | 080725 | 185 | mirror polished | with multi-component grips | 195 |

# Tile Breaking Pliers

## Work without cutting-off machine, particularly for fine strips. For less mess, dust, noise and effort.

- For the precise cutting (breaking) of tiles and porcelain stoneware after scoring with a tile cutter
- Ideal for long and thick tiles

> Ideal protection of tiles against damage: replaceable positioning jaw made from soft, stable plastic
> Great crushing force thanks to 10-fold increase of manual force
> Easily adjusted to the required tile thickness at the press of a button
> Chrome vanadium electric steel, forged, oil-hardened



**91 13 250**



Plastic positioning jaw: tilting for a clean break line and optimum protection of the tiles against damage





| Article No. | EAN 4003773- | ↔ mm | Pliers | Handles | ⚖ g |
|---|---|---|---|---|---|
| **91 13 250** | 079538 | 250 | chrome plated | plastic coated | 560 |
| **91 19 250 01** | 079545 | Spare jaw for 91 13 250 | | | |

# Material catcher

## for 79 02 / 22 125 ESD

> Material catcher for Electronics Diagonal Cutters: reliably prevents cut material from falling down
> For particular safety, e.g. in the aerospace industry, in order to avoid FOD (Foreign Object Damage)



**00 11 V79**

**Also suitable for the following pliers:**



**79 02 125**



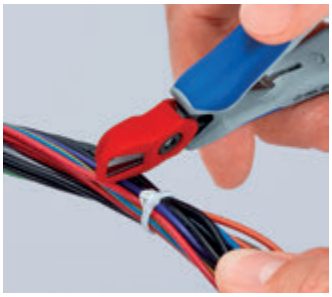
**79 02 125 ESD**



**79 22 125**



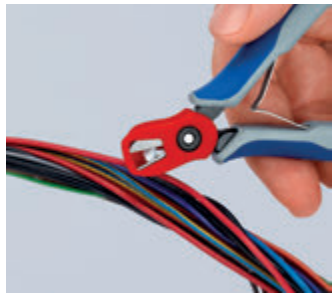
**79 22 125 ESD**



Easy attachment: the material catcher is easily attached and fastens securely to the pliers head



Remove the head of the cable tie using the Electronics Diagonal Cutter…



…the detached workpiece remains safely in the material catcher

| Article No. | EAN 4003773- | ⚖ g |
|---|---|---|
| **00 11 V79** | 083443 | 20 |

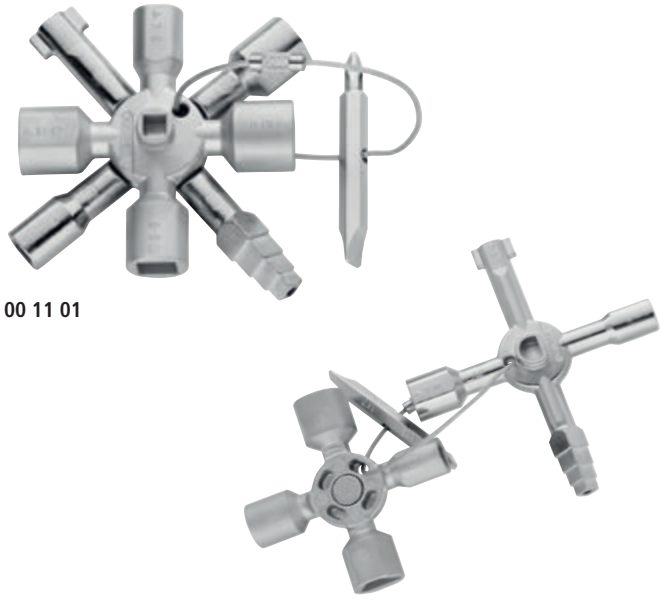
# KNIPEX TwinKey®

PATENTED

## for all standard cabinets and shut-off systems

- 10 profiles. 2 crosses. 1 key.
- All common locking systems

> Multifunctional key for the actuation of locking systems from the areas of facilities engineering (heating and sanitation, air conditioning, electro technology), gas and water supply and shut-off-systems
> 8-arm version: two 4-way spider keys connected in a space-saving way using magnets
> Reversible bit: 1,0 x 7 mm slot and PH2 cross slot
> Key and reversible bit joined by stable stainless steel wire
> Weight-optimised zinc die-cast design



**00 11 01**









| Article No. | EAN 4003773- | ↔ mm | Ø mm | Ø mm | Ø mm | Ø mm | Ø mm | g |
|---|---|---|---|---|---|---|---|---|
| **00 11 01** | 074670 | 92 | 5 / 6 – 7 / 8 – 9 / 10 – 11 | 7 – 8 / 9 – 10 / 11 – 12 | 3 - 5 | 6 | 6 - 9 | 135 |

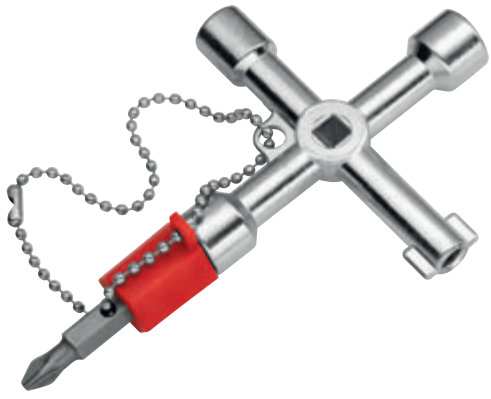
# Control Cabinet Keys

## for all standard cabinets and shut-off systems

> For control cabinets and shut-off systems in the supply of gas, water and electricity
> For technical installations in buildings, e.g. air conditioning and ventilation systems, shut-off valves, mains switchboards, etc.
> With bit insert: slot 1.0 x 7 mm and cross recess PH2
> With adapter for 1/4" bits chained to key
> Additional bit adapter for 1/4" bits inside one profile
> Zinc die-casted

**00 11 02**
> Short version, total length 44 mm

**00 11 03**
> Long execution, total length 76 mm



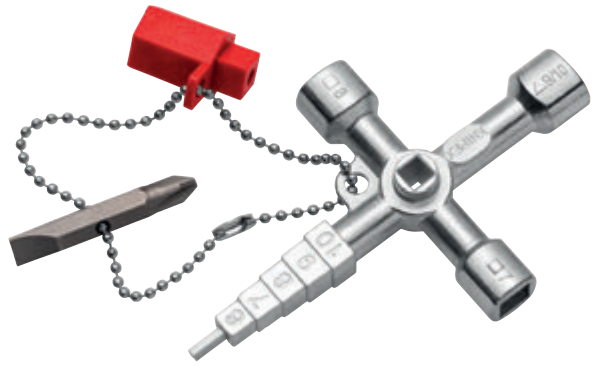
**00 11 03**

| Article No. | EAN 4003773- | ↔ mm | Ø mm | Ø mm | Ø mm | g |
|---|---|---|---|---|---|---|
| **00 11 02** | 048947 | 44 | 6 / 8 | 9 | 3 – 5 | 65 |
| **00 11 03** | 041658 | 76 | 5 / 6 / 8 | 7 / 9 | 3 – 5 | 88 |

# Profi-Key

## for all standard shut-off systems

> Key for heating, air conditioning, sanitary and building technology, e.g. for door and window handles or for radiator-bleeding
> With bit insert: slot 1.0 x 7 mm and cross recess PH2
> With adapter for 1/4" bits chained to key
> Additional bit adapter for 1/4" bits inside one profile
> Total length: 90 mm
> Zinc die-casted



**00 11 04**

| Article No. | EAN 4003773- | ↔ mm | Ø mm | Ø mm | Ø mm | g |
|---|---|---|---|---|---|---|
| **00 11 04** | 048954 | 90 | 5 / 7 / 8 | 9 – 10 | 6 / 7 / 8 / 9 / 10 | 86 |

# Universal Key

## for all standard cabinets and shut-off systems

> For locking systems in electrical engineering, the supply of gas and water, air conditioning and ventilation systems, industry, technical installations in buildings, etc.
> 9 different die-cast zinc key-profiles in 1 tool
> With detachable chain and snap hook
> Total length: 90 mm
> Zinc die-casted



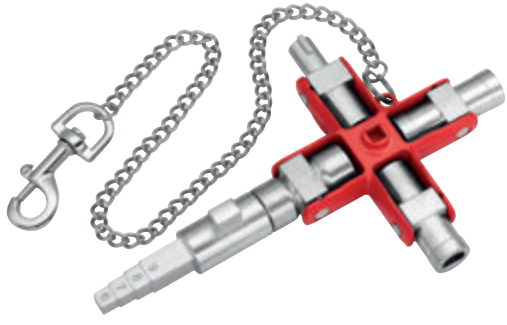
**00 11 06**

| Article No. | EAN 4003773- | ↔ mm | Ø mm | Ø mm | Ø mm | Ø mm | g |
|---|---|---|---|---|---|---|---|
| **00 11 06** | 071334 | 90 | 5 / 6 / 7 – 8 / 9 – 10 | 7 / 8 – 9 / 10 – 11 | 3 – 5 | 6 | 220 |

# Universal Key "Construction"

## for all standard cabinets and shut-off systems

> For locking systems in electrical engineering, the supply of gas and water, air conditioning and ventilation systems, industry, technical installations in buildings, etc.
> 9 different die-cast zinc key-profiles in 1 tool
> With detachable chain and snap hook
> Construction version with plug-in, magnetically held support: catch for locks with profile cylinder hole and male square in steps
> With bit adapter for 1/4" bits with magnet
> Total length: 157 / 95 mm
> Zinc die-casted



**00 11 06 V01**

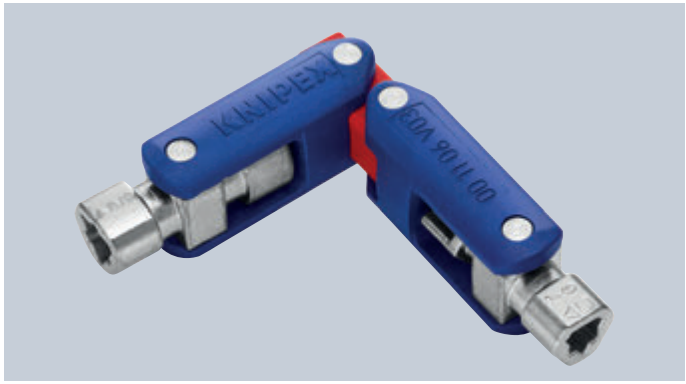
| Article No. | EAN 4003773- | ↔ mm | Ø mm | Ø mm | Ø mm | Ø mm | g |
|---|---|---|---|---|---|---|---|
| **00 11 06 V01** | 075394 | 90 | 5 / 6 / 7 – 8 / 9 – 10 | 7 / 8 – 9 / 10 – 11 | 3 – 5 | 6 | 255 |

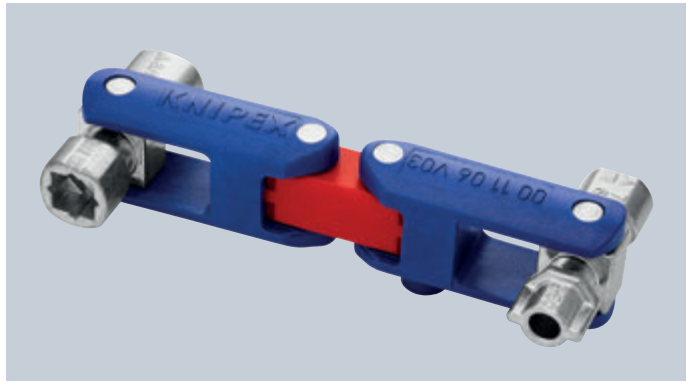
# Control Cabinet Key "DoubleJoint"

> For locking systems in electrical engineering, the supply of gas and water, air conditioning and ventilation systems, industry, technical installations in buildings, etc.
> With bit adapter for 1/4" bits with magnet
> Four different zinc die-cast key profiles in a single key
> Total length: 97 mm
> Plastic body, varnished




**00 11 06 V03**



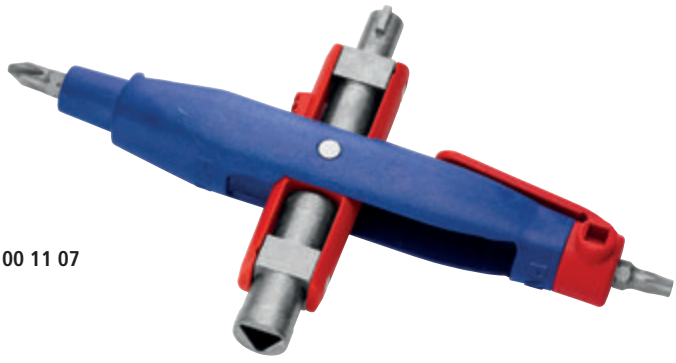




| Article No. | EAN 4003773- | ↔ mm | Ø mm | Ø mm | Ø mm | g |
|---|---|---|---|---|---|---|
| **00 11 06 V03** | 083085 | 62 | 5 – 8 | 5 / 7 – 9 | 3 – 5 | 107 |

# Pen-Style Control Cabinet Key

## for all standard cabinets and shut-off systems

> Easy to carry pen-style control cabinet key with fastening clip
> Four different key profiles can be utilised by swivelling the key holder
> For control cabinets and shut-off systems in the supply of gas, water and electricity
> For technical installations in buildings, e.g. air conditioning and ventilation systems, shut-off valves, mains switchboards, etc.
> Universal 1/4" bit adapter for standard bits (permanent magnet for retaining)
> Additional bit adapter for 1/4" bits inside one key profile
> With 2 reversible bits: cross recess PH / slot 7.0 x 1.2 mm and TX20 / TX25
> Tool body: plastic, fibreglass-reinforced
> Key profiles: zinc die-casted



**00 11 07**






| Article No. | EAN 4003773- | ↔ mm | Ø mm | Ø mm | Ø mm | g |
|---|---|---|---|---|---|---|
| **00 11 07** | 063018 | 145 | 5 / 6 / 8 | 9 | 3 – 5 | 95 |

# Cable and Wire Rope Shears



| | |
|---|---|
| KNIPEX StepCut® – Cable Shears | 153 |
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# KNIPEX StepCut®

Additionally hardened blades, precision-ground:
lighter, cleaner cut without crushing



# KNIPEX StepCut®

## Cable cutting made easy: innovative step cutting separates wires one by one to save energy

- Small, light, strong: comfortable cutting without crushing and just 160 mm in size
- Noticeably less effort: the gradations cut wires one after the other; cutting is up to 40 % easier than with standard cable shears of the same length!
- Ergonomic handle design: optimal cutting feel even for larger cable diameters

> Cuts multi-core stranded copper and aluminium cables up to Ø 15 mm (50 mm²)
> Cuts solid copper and aluminium cables up to 5 x 4 mm²
> Cuts without crushing
> Bolted joint: precise, effortless, durable
> Pinch guard fitted for safe work
> Not suitable for steel wire and hard drawn copper conductors
> Long lifetime: high-grade special tool steel, forged, oil-hardened, cutting additionally induction-hardened




**95 11 160**




**95 12 160**




**95 16 160**








| Article No. | EAN 4003773- | ↔ mm | | Tool | Handles | Cutting capacities Ø mm | Cutting capacities mm² | AWG | g |
|---|---|---|---|---|---|---|---|---|---|
| **95 11 160** | 085904 | 165 | | burnished | plastic coated | 15.0 | 50 | 1 / 0 | 180 |
| **95 11 160 SB** | 085911 | 165 | | burnished | plastic coated | 15.0 | 50 | 1 / 0 | 205 |
| **95 12 160** | 085928 | 165 | | burnished | with multi-component grips | 15.0 | 50 | 1 / 0 | 220 |
| **95 12 160 SB** | 085935 | 165 | | burnished | with multi-component grips | 15.0 | 50 | 1 / 0 | 245 |
| **95 16 160** | 085966 | 165 | 1000 V | chrome plated | insulated with multi-component grips, VDE-tested | 15.0 | 50 | 1 / 0 | 225 |
| **95 16 160 SB** | 085898 | 165 | 1000 V | chrome plated | insulated with multi-component grips, VDE-tested | 15.0 | 50 | 1 / 0 | 250 |

# Cable Shears

> For cutting copper and aluminium single conductors as well as multiple stranded cables
> Clean and smooth cut without crushing and deformation
> Not suitable for steel wire and hard drawn copper conductors
> Precision-ground, hardened blades
> Easy cutting with one-hand operation
> With guard
> Adjustable bolted joint, self-retaining screw
> High-grade special tool steel, forged, oil-hardened

**Style 2**
> Internal opening spring, protected and captive

**Style 4**
> Multifunctional tool for working on NYM cable from 3 x 1.5 mm² to 5 x 2.5 mm² (cutting and stripping); universal stripping area for both solid conductor cross-sections; reliable alignment of the cable in the stripping area due to V-shaped blade geometry

**95 12 165 T / 95 16 165 T***
> Pliers with tether attachment point for mounting a fall protection



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



95 26 165: Catch locks shears to the opening spring inside



95 41 165: with stripping function



95 11 165



95 12 165



95 12 165 T



95 16 165



95 21 165



95 22 165

| Article No. | EAN 4003773- | ↔ mm | | Style | Tool | Handles | Cutting capacities Ø mm | Cutting capacities mm² | AWG | g |
|---|---|---|---|---|---|---|---|---|---|---|
| **95 11 165** | 040323 | 165 | | 1 | burnished | plastic coated | 15 | 50 | 1 / 0 | 215 |
| **95 12 165** | 029182 | 165 | | 1 | burnished | with multi-component grips | 15 | 50 | 1 / 0 | 250 |
| **95 12 165 T** | 080190 | 165 | | 1 | burnished | with multi-component grips and integrated tether attachment point | 15 | 50 | 1 / 0 | 255 |
| **95 16 165** | 039648 | 165 | 1000 V | 1 | chrome plated | insulated with multi-component grips, VDE-tested | 15 | 50 | 1 / 0 | 262 |
| **95 16 165 T** | 081524 | 165 | 1000 V | 1 | chrome plated | insulated with multi-component grips with integrated insulated tether attachment point, VDE tested | 15 | 50 | 1 / 0 | 260 |
| **95 21 165** | 069805 | 165 | | 2 | burnished | plastic coated | 15 | 50 | 1 / 0 | 215 |
| **95 22 165** | 069812 | 165 | | 2 | burnished | with multi-component grips | 15 | 50 | 1 / 0 | 254 |
| **95 26 165** | 069980 | 165 | 1000 V | 2 | chrome plated | insulated with multi-component grips, VDE-tested | 15 | 50 | 1 / 0 | 275 |
| **95 41 165** | 078609 | 165 | | 4 | burnished | plastic coated | 12 | 35 | 1 / 0 | 220 |



*Other tools with tethering can be found from page 272

# Cable Shears

## with twin cutting edge

> 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
> By dividing the cutting actions into initial cut (insulating sheath in the front cutting area) and final cut (conductor in the back cutting area), cables up to Ø 20 mm can be cut in one-hand operation
> Low handforce required due to favourable lever ratio and special blade geometry
> Pinch guard prevents operators' fingers being pinched
> Adjustable bolted joint, self-retaining screw
> High-grade special tool steel, forged, oil-hardened



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.



**95 11 200**



**95 12 200**



**95 16 200**



**95 17 200**

The twin cutting edge allows a comfortable handle position in all cutting situations within the specified cutting capacity.

| Article No. | EAN 4003773- | ↔ mm | | Tool | Handles | Cutting capacities Ø mm | Cutting capacities mm² | AWG | ⚖ g |
|---|---|---|---|---|---|---|---|---|---|
| **95 11 200** | 043928 | 200 | PATENTED | burnished | plastic coated | 20 | 70 | 2 / 0 | 283 |
| **95 12 200** | 047834 | 200 | PATENTED | burnished | with multi-component grips | 20 | 70 | 2 / 0 | 324 |
| **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 |

# Wire Rope Cutters

## also for high-strength wire rope

> Compact, light and powerful
> Up to 30 % less physical effort compared to wire rope cutters of the same length
> Double-mounted box joint design for high level of stability
> Cutting edges additionally induction-hardened, cutting edge hardness approx. 64 HRC
> Convenient work thanks to opening spring
> Secured by locking device during transport
> Ball bearing steel




**95 62 160**




**95 62 160 TC**

**95 62 160**
> For wire rope with Ø 4.00 / 1960 Nmm²

**95 62 160 TC**
> Specially optimised for precise cutting of tyre cord, wire ropes up to Ø 2 mm and cables up to Ø 2 mm; Ergonomic efficiency thanks to lightweight design and practical opening restriction



Double-bearing joint



For cutting high-strength wire ropes (1960 N/mm2) with a diameter of up to 4 mm



Compact at 160 mm but nevertheless more powerful than many larger wire rope cutters




**95 62 160**




**95 62 160 TC**

| Article No. | EAN 4003773- | ↔ mm | | Head | Handles | Cutting capacities Ø mm | Cutting capacities mm² | ⚖ g |
|---|---|---|---|---|---|---|---|---|
| **95 62 160** | 082354 | 160 | | burnished | with multi-component grips | 6.0 | 4.0 | 175 |
| **95 62 160 TC** | 082422 | 160 | | burnished | with multi-component grips | 2.0 | 2.0 | 175 |

# Cable Shears

## handles extrusion plastic-coated

> Not suitable for steel wire and hard drawn copper conductors
> Precision-ground, hardened blades
> No crushing, slight deformation of the cable only
> Pinch guard prevents operators' fingers being pinched
> Adjustable bolted joint
> Shears body: surgical steel, stainless, vacuum-hardened
> Handles: plastic, impact-proof




95 05 165




95 06 230

**95 05 165**
> Cuts cables up to 10 mm dia. / 24 mm²; with opening spring and locking device; blades made of stainless steel; oil-hardened and tempered

**95 06 230**
> For copper single conductors up to 16 mm², multiple stranded wires up to 50 mm², fine stranded up to 70 mm² and aluminium conductors multiple stranded wires up to 70 mm²; easy cutting with one-hand operation due to high transmission ratio; stainless – special grade – steel, oil-hardened and tempered

| Article No. | EAN 4003773- | ↔ mm | | Head | Handles | Cutting capacities Ø mm | Cutting capacities mm² | AWG | g |
|---|---|---|---|---|---|---|---|---|---|
| **95 05 165** | 019596 | 165 | | polished | plastic coated | 10 | 24 | 4 | 111 |
| **95 06 230** | 006305 | 230 | 1000 V | polished | plastic insulated, VDE-tested | 16 | 50 | 1 / 0 | 274 |

# Electricians' Shears

- Precisely ground blades with fine serration for a clean, non-slip cut
- Cutting edge with integrated cable cutter
- With plastic belt pouch

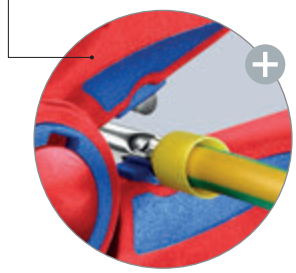
> Universal shears for electricians
> Handles with multi-component grips, fibreglass-reinforced
> Cutting edges made from stainless steel, hardness of cutting edges 56 HRC




95 05 10 SB




95 05 155 SB



Fast, easy crimping



No slipping thanks to micro-serration



Integrated cable cutter




Safely stored and ready to hand at all times

| Article No. | EAN 4003773- | ↔ mm | g |
|---|---|---|---|
| **95 05 10 SB** | 082125 | 160 | 135 |
| **95 05 155 SB** | 077725 | 155 | 170 |

# Angled Electricians' Shears

## Universal shears with straight hand positioning for improved ergonomics

- Precision-ground blades with fine serrations for a clean, non-slip cut
- Adapted to the hand: angled blades and optimised handle design for improved ergonomics

> Two crimping areas for wire ferrules of 0.5 – 6 mm² and 10 – 25 mm²
> Includes opening spring and lock for easy storage
> Tether attachment point can be used with KNIPEX Tethered Tools System
> Cutting edges made from stainless steel, hardness of cutting edges 56 HRC



With fine serration for precise cutting …



and two crimping areas for standard wire ferrules sizes


Practical belt pouch available separately

| Article no. | EAN 4003773- | ↔ mm | Head | Handles | ⚖ g |
|---|---|---|---|---|---|
| **95 05 20 SB** | 082699 | 160 | polished | with mulit-component grips, glass fibre reinforced | 190 |
| **00 19 75 LE** | 088158 | Multi-purpose belt pouch | | | 70 |

# Cable Shears

## for two-handed use, short construction

- Short design, length only 500 mm
- Low weigth, high leverage

> 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
> Low handforce required due to favourable lever ratio and special blade geometry
> Pinch guard prevents operators' fingers being pinched
> Adjustable bolted joint
> Cutter head: vanadium electric steel, forged, oil-hardened
> Handles: aluminium tube, high-strength


**95 12 500**



**95 17 500**


Large cutting capacity: max. 27 mm dia. / 150 mm²

| Article No. | EAN 4003773- | ↔ mm | | Head | Handles | Cutting capacities Ø mm | Cutting capacities mm² | AWG | ⚖ g |
|---|---|---|---|---|---|---|---|---|---|
| **95 12 500** | 069966 | 500 | | burnished | with multi-component grips | 27 | 150 | 6 / 0 | 1090 |
| **95 17 500** | 026785 | 500 | 1000 V | polished | with dipped insulation, VDE-tested | 27 | 150 | 6 / 0 | 1477 |

# Cable Shears

## for two-hand operation

> 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
> Pinch guard prevents operators' fingers being pinched
> Adjustable bolted joint
> Bolted cutter head, replaceable
> Handles: steel tube
> Cutter head: high-grade chrome vanadium electric steel, forged, oil-hardened



**95 21 600**



**95 27 600**

| Article No. | EAN 4003773- | ↔ mm | | Head | Handles | Cutting capacities Ø mm | Cutting capacities mm² | AWG | g |
|---|---|---|---|---|---|---|---|---|---|
| **95 21 600** | 025252 | 600 | | polished | with plastic grips | 27 | 150 | 6 / 0 | 1862 |
| **95 27 600** | 021797 | 600 | 1000 V | polished | with dipped insulation, VDE-tested | 27 | 150 | 6 / 0 | 2262 |
| **95 29 600** | 021803 | Spare cutter head for 95 21 600 / 95 27 600 | | | | | | | |

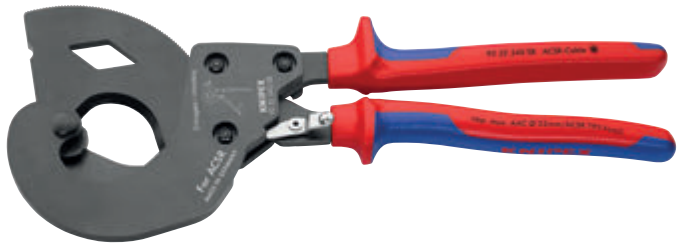
# ACSR Cable Cutter

## (ratchet action)

## for cables with a steel core

- Handy. Compact. Sturdy.
- Extremely robust design.

> Cuts through aluminium conductor cable with steel core up to a diameter of 32 mm in one or two-handed operation
> Cutters with precision cut and induction-hardened cutting edge
> Two-stage ratchet drive for easy cutting
> Less physical effort due to very high transmission ratio
> Fixed handle with support area for putting down the pliers when cutting
> Locking mechanism for transporting with safely closed handles
> Special high grade tool steel, multi stage oil-hardened



**95 32 340 SR**



Enormous power with a weight of just 1300 g



The strong "flange" on the handle can be used as a practical support surface when cutting larger diameters

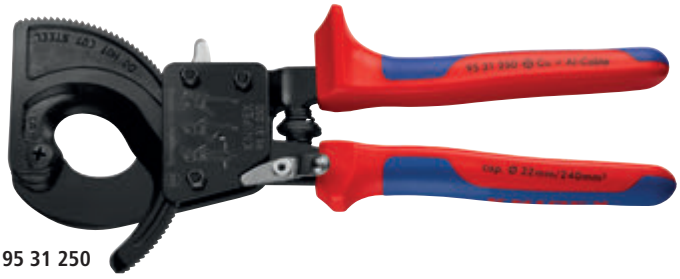
| Article No. | EAN 4003773- | ↔ mm | | Handles | Ø mm | Ø inch | MCM | g |
|---|---|---|---|---|---|---|---|---|
| **95 32 340 SR** | 081241 | 340 | | with multi-component grips | 32 | 1 | 477 | 1310 |
| **95 39 340 01** | 081340 | Pivot cutter repair kit for 95 32 340 SR | | | | | | |

# Cable Cutters

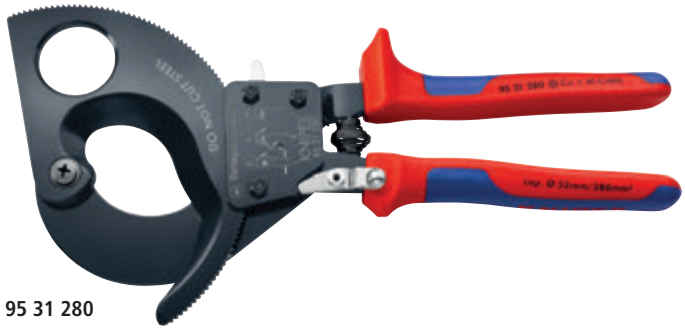
## (ratchet action)

> 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
> Pinch guard prevents operators' fingers being pinched
> High-grade special tool steel, forged, oil-hardened

**95 31 280 / 95 36 280**
> Suitable for aluminium sector cable up to 4 x 150 mm²



**95 31 250**



**95 31 280**



Ratchet principle and two-stage ratchet drive for easier cutting



95 31 280: Large cutting capacity: maximum 52 mm dia. / 380 mm²




**95 36 250**




**95 36 280**



95 31 250/280: fixed handle with support area as an aid to position the cutters on a flat surface

| Article No. | EAN 4003773- | ↔ mm | | Tool | Handles | Cutting capacities Ø mm | Cutting capacities mm² | MCM | ⚖ g |
|---|---|---|---|---|---|---|---|---|---|
| **95 31 250** | 043935 | 250 | | black lacquered | with multi-component grips | 32 | 240 | 500 | 676 |
| **95 31 280** | 043942 | 280 | | black lacquered | with multi-component grips | 52 | 380 | 750 | 860 |
| **95 36 250** | 026884 | 250 | 1000 V | black lacquered | insulated with multi-component grips, VDE-tested | 32 | 240 | 500 | 652 |
| **95 36 280** | 026891 | 280 | 1000 V | black lacquered | insulated with multi-component grips, VDE-tested | 52 | 380 | 750 | 835 |

| | | |
|---|---|---|
| **95 39 04** | 039167 | Feed pawl 95 3 250/280 |
| **95 39 250** | 022244 | Movable spare blade for 95 31 250 / 95 36 250 |
| **95 39 08** | 039204 | Barrel spring for 95 31 250/280 |
| **95 39 280** | 025283 | Movable spare blade for 95 31 280 / 95 36 280 |
| **95 39 08 S** | 039211 | Tension spring set for lateral mounting 95 36 25/28 |

# Cable Cutters

## (ratchet principle, 3-stage)

- Sturdy. Easy to use. Stable.
- Innovative ratchet-drive.
- For cable up to 60 mm diameter.

> Fixed handle with support area for putting down the pliers when cutting
> Easy handling due to low weight (825 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
> High-grade special tool steel, forged, oil-hardened



**95 32 320**



**95 36 320**

**The innovative three gear drive permits three operating modes**

> Fast working with full lift of handles and one-handed operation when cutting through insulation material

> Powerfully sliding the sickle knife forward when cutting through the stranded conductor with two hand through use of the central lifting area (handling opening of between 1/3 and 2/3)

> Powerfully pushing the sickle knife forward with one hand to cut through the stranded conductor through use of the first third of the handle lift with one or two hands

**First manual ratchet-action cable cutter for one-hand and two-hand operation for cutting copper and aluminium cables with diameters of up to 60 mm!**







| Article No. | EAN 4003773- | ←→ mm | | Tool | Head | Handles | Cutting capacities Ø mm | Cutting capacities mm² | MCM | g |
|---|---|---|---|---|---|---|---|---|---|---|
| **95 32 320** | 075172 | 320 | | black atramentized | polished | with multi-component grips | 60 | 600 | 1200 | 825 |
| **95 36 320** | 075189 | 320 | 1000 V | black atramentized | polished | 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 Cutters

## (ratchet action)

## for steel wire armoured cables (SWA cable)

- Cuts through steel wire armoured cables with a diameter of up to 45 mm / 380 mm² (e.g. 4 x 95 mm²) 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!
> Cutter head: special high-grade tool steel, forged, oil-hardened

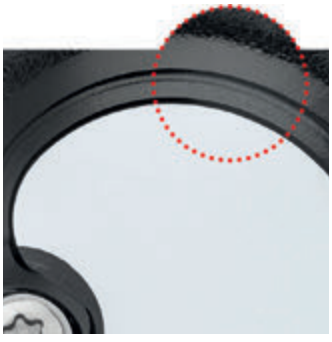


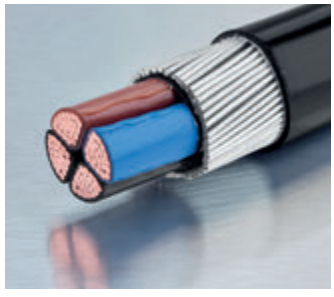
**95 32 315 A**



**95 36 315 A**







Precision-milled and induction-hardened cutting edge



| Article No. | EAN 4003773- | ↔ mm | | Tool | Handles | Cutting capacities Ø mm | mm² | MCM | g |
|---|---|---|---|---|---|---|---|---|---|
| **95 32 315 A** | 078562 | 315 | | black lacquered | with multi-component grips | 45 | 380 | 750 | 800 |
| **95 36 315 A** | 078579 | 315 | 1000 V | black lacquered | insulated with multi-component grips, VDE-tested | 45 | 380 | 750 | 800 |

| | | |
|---|---|---|
| **95 39 315 A01** | 078586 | Pivot cutter repair kit for 95 32 315 A and 95 36 315 A |

# Cable Shears

## (ratchet action)

## with telescopic handles

- Cable shears with adjustable telescopic handles allowing angular positioning

> For cable diameters up to 38 mm, handles can be positioned at an angle to set the optimum handle width, which makes the shear also suitable for work in confined areas
> Comfortable work thanks to ratchet action and low weight
> Heavy duty telescopic handles made of oval aluminium tubing; extendable up to 770 mm for maximum leverage on large cable diameters; retractable down to 570 mm for minimum space requirements during transport
> Replaceable cutting head
> Extensive cutting range up to max. Ø 38 mm or max. 280 mm² (e.g. 4 x 70 mm² NYY) in copper and aluminium cables
> Easier, neater cut due to optimised cutting edge geometry
> Adjustable bolted joint
> Handles: high-strength oval aluminium tubing
> Cutting head: special quality high-grade tool steel, oil-hardened




**95 32 038**



Handles adjustable in length and angular position for easier work: set the handle length to the optimum lever for powerful cutting; put the handles at an angle for a comfortable gripping position

| Article No. | EAN 4003773- | ↔ mm | Head | Handles | Cutting capacities Ø mm | Cutting capacities mm² | MCM | ⚖ g |
|---|---|---|---|---|---|---|---|---|
| **95 32 038** | 071556 | 570 | burnished | with multi-component grips | 38 | 280 | 550 | 1980 |
| **95 39 038** | 073260 | Spare cutter head for 95 32 038 | | | | | | |

# Cable Cutters

## (ratchet action)

## with telescopic handles

> For copper and aluminium single conductors as well as multiple stranded cables – also with hard rubber or plastic sheath
> Not suitable for steel wire and wire ropes
> Also suitable for cables with iron sheath reinforcement
> Little hand force required for cutting due to optimum transmission ratio
> High cutting capacity due to two-hand operation and ratchet action
> The blade can be opened in any cutting position
> Handle length with multiple position adjustment from 400 - 610 mm (short transport length, individual adaptation to working conditions)
> Blade: special-quality high-grade tool steel, oil-hardened
> Handles: high-strength oval aluminium tubing

**95 32 100**
> Tool length: 650 - 860 mm; weight only 4980 g

**95 32 060**
> Tool in length: 630 to 830 mm; weight only approx. 3820 g




**95 32 060**



| Article No. | EAN 4003773- | ↔ mm | Head | Handles | Cutting capacities Ø mm | Cutting capacities mm² | MCM | ⚖ g |
|---|---|---|---|---|---|---|---|---|
| **95 32 060** | 071563 | 630 | burnished | with multi-component grips | 60 | 740 | 1400 | 3820 |
| **95 32 100** | 071570 | 680 | | | 100 | 960 | 1900 | 4980 |
| **95 39 720** | 025290 | Movable spare blade for 95 31 720 / 95 32 060 | | | | | | |
| **95 39 870** | 025306 | Movable spare blade for 95 31 870 / 95 32 100 | | | | | | |

# Wire Rope Cutters

## forged

### Double function: neat cutting, precise crimping

> With two crimping dies for end caps on Bowden cable sheaths and end ferrules for traction cables
> Comfortable work thanks to handy, slim design and internal opening spring
> Bolted joint for precise blade guidance, re-adjustable
> High leverage for reduced effort
> Cutting edge hardness approx. 64 HRC
> Chrome vanadium heavy-duty steel, forged, multi stage oil-hardened

**95 62 190 T***
> Pliers with tether attachment point for mounting a fall protection



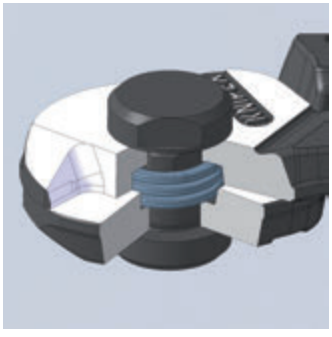
**95 61 190**



**95 62 190**



**95 62 190 T**



Internal opening spring



Crimping of the end caps on the Bowden cable sheath

Cuts all wire ropes without splaying, including those that are extremely strong

| Article No. | EAN 4003773- | ↔ mm | | Head | Handles | Cutting capacities Ø mm | Ø mm | Ø mm | Ø mm | g |
|---|---|---|---|---|---|---|---|---|---|---|
| **95 61 190** | 040651 | 190 | | polished | plastic coated | 7.0 | 5.0 | 4.0 | 2.5 | 310 |
| **95 62 190** | 071976 | 190 | | burnished | with multi-component grips | 7.0 | 5.0 | 4.0 | 2.5 | 314 |
| **95 62 190 T** | 080206 | 190 | | burnished | with multi-component grips and integrated tether attachment point | 7.0 | 5.0 | 4.0 | 2.5 | 345 |

# Bowden Cable Cutter

> For Bowden cables and soft wire rope up to 3.0 mm dia. (also V2A)
> Smooth and clean cutting due to special shape of the cutting edges
> Sickle shape cutting edges surround the material and prevent the wire rope fanning out
> Little handforce required due to very high transmission ratio
> With opening spring and locking device
> Chrome vanadium heavy-duty steel, forged, multi stage oil-hardened




**95 61 150**



| Article No. | EAN 4003773- | ↔ mm | | Shears | Head | Handles | Cutting capacities Ø mm | g |
|---|---|---|---|---|---|---|---|---|
| **95 61 150** | 065197 | 150 | | black atramentized | polished | plastic coated | 3.0 | 205 |



*Other tools with tethering can be found from page 272

# Wire Rope and ACSR-Cable Cutters

## Handles: aluminium, high-strength

> For wire ropes and steel rods, copper and aluminium cables
> Suitable for cutting overhead 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
> Handles: aluminium, high-strength
> Cutter head: high-grade special tool steel, multi stage oil-hardened

**95 81 600**
> With reinforced cutter head for higher performance, also cuts piano wire





**95 71 445**



**95 71 600**



**95 77 600**



**95 81 600**

| Article No. | EAN 4003773- | ↔ mm | | Head | Handles | Cutting capacities mm² | Ø mm | Ø mm | Ø mm | AWG | g |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **95 71 445** | 014522 | 445 | | polished | plastic coated | 95 | 10,0 | 7,0 | | 4 / 0 | 1083 |
| **95 71 600** | 014539 | 600 | | polished | plastic coated | 150 | 14,0 | 9,0 | | 6 / 0 | 1716 |
| **95 77 600** | 025313 | 600 | 1000 V | polished | dipped insulation | 150 | 14,0 | 9,0 | | 6 / 0 | 2359 |
| **95 81 600** | 025344 | 600 | | polished | plastic coated | 150 | 16,0 | 10,0 | 4,5 | 6 / 0 | 2256 |

| | | |
|---|---|---|
| **95 79 445** | 025320 | Spare cutter head for 95 71 445 |
| **95 79 600** | 025337 | Spare cutter head for 95 71 600 / 95 77 600 |
| **95 89 600** | 025351 | Spare cutter head for 95 81 600 |

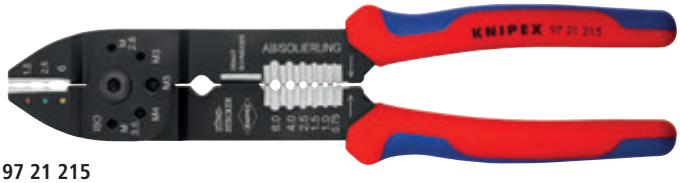
# Crimping Pliers and Crimp Assortments



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# Crimping Pliers

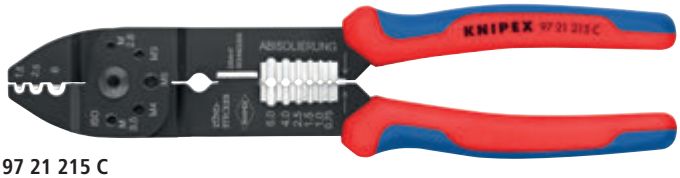
> For cutting cables, stripping wire and crimping insulated and non-insulated terminals, connectors and plug type connectors
> With threaded holes for cutting copper and brass screws threaded M 2.6 / M 3 / M 3.5 / M 4 and M 5
> Bolted joint for higher stability and even movement
> Special steel, high-strength



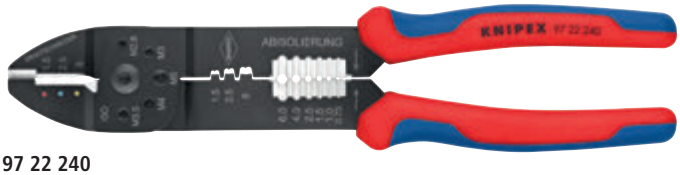

**97 21 215**



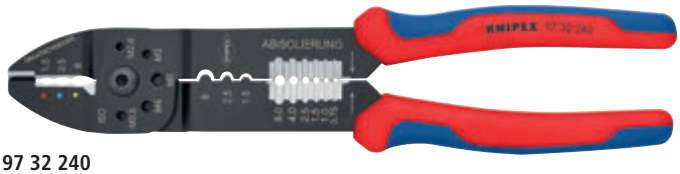

**97 21 215 B**




**97 21 215 C**




**97 22 240**

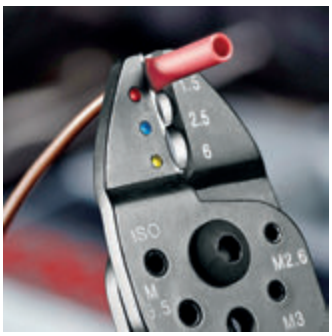



**97 32 240**












| Article No. | EAN 4003773- | ↔ mm | | | Pliers | Handles | Applications | Capacity mm² | AWG | ⚖ g |
|---|---|---|---|---|---|---|---|---|---|---|
| **97 21 215** | 019688 | 230 |  | | black lacquered | with multi-component grips | insulated terminals + cable connectors | 0.5 - 6 | 20 - 10 | 290 |
| **97 21 215 B** | 019695 | 230 |  | | black lacquered | with multi-component grips | non-insulated open plug-type connectors (plug width 6.3 mm) | 0.5 - 2.5 | 20 - 14 | 290 |
| **97 21 215 C** | 019701 | 230 |  | | black lacquered | with multi-component grips | non-insulated terminals + cable connectors | 0.5 - 6 | 20 - 10 | 290 |
| **97 22 240** | 070726 | 240 |  | | black lacquered | with multi-component grips | insulated terminals + cable connectors/ non-insulated open plug-type connectors (plug width 6.3 mm) | 0.5 - 6 | 20 - 10 | 270 |
| | | |  | | | | non-insulated open plug-type connectors (plug width 6.3 mm) | 0.5 - 2.5 | 20 - 14 | |
| **97 32 240** | 079491 | 240 |  | | black lacquered | with multi-component grips | insulated terminals + cable connectors/ non-insulated terminals + cable connectors | 0.5 - 6 | 20 - 10 | 300 |
| | | |  | | | | non-insulated terminals + cable connectors | 0.5 - 6 | 20 - 10 | |

# Insertion tool

## for LSA-Plus and identical construction design

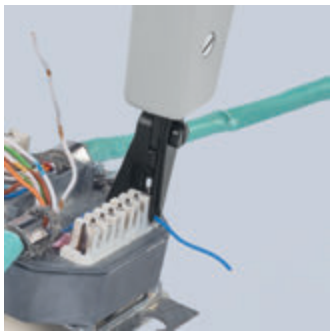
> Tool for putting on boards, sockets and fields
> Pushing down and cutting in one operation
> For UTP and STP cables, conductor 0.4 - 0.8 mm dia.
> With integrated pulling hook and release blade
> Housing: plastic, impact-proof



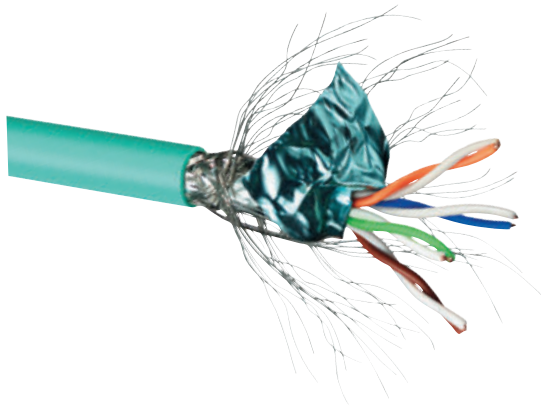

**97 40 10**



With integrated pulling hook



Inserts and cuts cables in one operation



| Article No. | EAN 4003773- | ↔ mm | Head | Applications | Capacity Ø mm | ⚖ g |
|---|---|---|---|---|---|---|
| **97 40 10** | 044895 | 175 | burnished | UTP- and STP-cables, LSA-Plus and identical | 0.4 - 0.8 | 100 |






# KNIPEX MultiCrimp

PATENTED

## Crimping Pliers with changer magazine

> Just one tool for the most common crimping applications
> Crimping dies changed quickly and easily without any additional tool
> Sorted and protected storage of the interchangeable dies in a round magazine
> Comfortable, powerful crimping pliers in professional quality
> Same reliable crimping results as with fixed crimping dies
> Consistently high crimping quality thanks to precision dies and forced locking mechanism (unlockable)
> Chrome vanadium electric steel in special quality, oil-hardened
> Round magazine: plastic, fibreglass-reinforced



**97 33 01**

> Crimping pliers with round magazine and three interchangeable crimping dies for non-insulated open plug type connectors (4.8 + 6.3 mm width) from 0.5 - 6.0 mm²; for insulated terminals, plug connectors and butt connectors from 0.5 - 6.0 mm² and for insulated and non-insulated wire end sleeves from 0.25 - 6.0 mm²



**97 33 02**

> Crimping pliers with round magazine and five interchangeable dies for non-insulated open plug type connectors (plug width 4.8 + 6.3 mm) from 0.5 - 6 mm²; for insulated terminals, plug connectors and butt connectors from 0.5 - 6 mm²; for insulated and non-insulated end sleeves (ferrules) from 0.25 - 6 mm²; for insulated and non-insulated wire end sleeves with 10 / 16 / 25 mm² and for non-insulated crimp terminals. tube and compression cable lugs in accordance with DIN 46234 and DIN 46235 and non-insulated crimp, butt and press connectors in accordance with DIN 46341 and DIN 46267

Compact, inexpensive and light-weight crimping pliers for fitting and repairs. The electrician needs only one tool now instead of five as before.




Changing position: service lever opens out for parallel jaw positioning



Changing the crimping dies: unlock the magazine position, take out the set of dies which the pliers have been pushed on

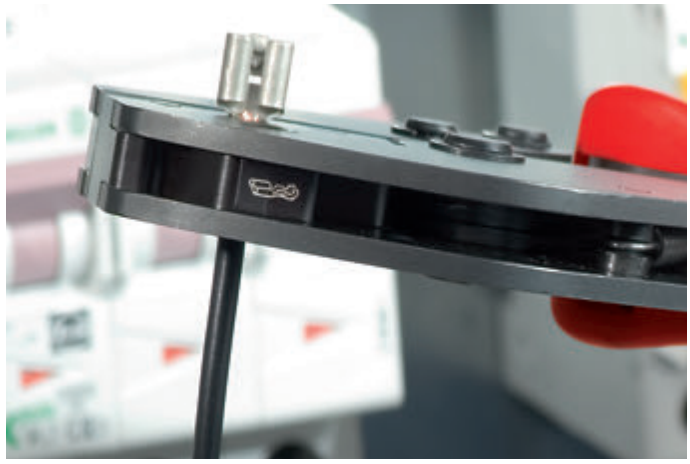



Fold in the service lever and press the pliers – ready for use again





Magazine for crimping dies can be carried on a belt



Clearly visible marking on the crimping dies with pictograms

| Article No. | EAN 4003773- | ↔ mm | | | Applications | Capacity mm² | AWG | ⚖ g |
|---|---|---|---|---|---|---|---|---|
| **97 33 01** | 066927 | 250 |  |  | non-insulated open plug type connectors (plug width 4.8 + 6.3 mm) | 0.5 - 6 | 20 - 10 | 770 |
| | | |  | | insulated terminals, plug connectors + butt connectors | 0.5 - 6 | 20 - 10 | |
| | | |  | | Wire ferrules | 0.25 - 6 | 24 - 10 | |
| **97 33 02** | 066934 | 250 |  |  | non-insulated open plug type connectors (plug width 4.8 + 6.3 mm) | 0.5 - 6 | 20 - 10 | 870 |
| | | |  | | insulated terminals, plug connectors + butt connectors | 0.5 - 6 | 20 - 10 | |
| | | |  | | Wire ferrules | 0.5 - 6 | 24 - 10 | |
| | | | | | | 10 / 16 / 25 | 8 / 6 / 4 | |
| | | |  |  | non-insulated crimp terminals, tube and compression cable lugs in accordance with DIN 46234 and DIN 46235 and non-insulated crimp, butt and press connectors in accordance with DIN 46341 and DIN 46267 | 0.5 - 10 | 20 - 8 | |

| | | |
|---|---|---|
| **97 39 05** | 070078 | Crimping dies for non-insulated open plug type connectors (plug width 4.8 + 6.3 mm) |
| **97 39 09** | 077763 | Crimping dies for insulated and non-insulated wire ferrules |
| **97 39 06** | 070085 | Crimping dies for insulated terminals, plug connectors and butt connectors |
| **97 39 08** | 070092 | Crimping dies for insulated and non-insulated wire ferrules |
| **97 39 13** | 070108 | Crimping dies for non-insulated crimp terminals, tube and compression cable lugs in accordance with DIN 46234 and DIN 46235 and non-insulated crimp, butt and press connectors in accordance with DIN 46341 and DIN 46267 |
| **97 39 90** | 070061 | Changer magazine empty |

# Crimp System Pliers

## for exchangeable crimping dies

> Just one tool for almost 1000 crimping applications
> Almost parallel crimping motion
> Consistently high crimping quality thanks to precision dies and forced locking mechanism (unlockable)
> Crimping pressure has been set precisely (calibrated) in the factory, re-adjustable
> Optimum transmission of force due to lever action for fatigue-reduced operation
> Ergonomically designed handles
> Different locators for precise positioning of the connectors
> Crimping dies for applications not covered in the range offered here, may be available on request
> Chrome vanadium electric steel in special quality, oil-hardened



**97 43 200**

**97 43 05**
> With attached crimping dies for non-insulated open plug-type connectors (4.8 and 6.3 mm connector width)

**97 43 06**
> With attached crimping dies for insulated terminals and plug connectors

**97 43 200**
> Comes in a plastic case; foam insert with recesses for crimping dies and locators; with service tool (Allen key), screws and nuts; without crimping dies

**97 43 200 A**
> Pliers without crimping dies, without case




**97 43 200 A**

With the possibility of crimping almost all currently available crimping connections with just one tool and state-of-the-art crimping pliers technology, the crimp system pliers solves almost all tasks in mobile and stationary crimping technology and is an excellent tool for professionals to use for standard crimping.



**97 43 05**



**97 43 06**



97 43 200 with crimping dies 97 49 06 for insulated terminals, plug connectors and butt connectors



97 43 200 with crimping dies 97 49 09 for wire ferrules



97 43 400 with crimping dies 97 49 24 and locator 97 49 93 for D-Sub plugs

| Article No. | EAN 4003773- | ↔ mm | | | Pliers | Handles | Applications | Capacity mm² | AWG | ⚖ g |
|---|---|---|---|---|---|---|---|---|---|---|
| **97 43 200** | 030812 | 200 | | | burnished | with multi-component grips | see crimping dies table | | | 988 |
| **97 43 200 A** | 071587 | 200 | | | burnished | with multi-component grips | see crimping dies table | | | 574 |
| **97 43 05** | 031031 | 200 | | | burnished | with multi-component grips | Crimp System Pliers for non-insulated open plug-type connectors (4.8 and 6.3 mm connector width) | 0.5 - 6 | 20 - 10 | 618 |
| **97 43 06** | 031048 | 200 | | | burnished | with multi-component grips | Crimp System Pliers for insulated terminals and plug connectors | 0.5 - 6 | 20 - 10 | 610 |

# KNIPEX eCrimp

PATENTED

## Electromechanical Crimp System Pliers for exchangeable crimping dies

> Strong electromechanical drive, no hydraulic components, no leakages
> Possible use of over 40 KNIPEX crimping dies and locators as well as more than 1000 special crimping dies from the proven Crimp System Pliers (97 43 200)
> Ergonomically optimised, user-friendly working height during workshop operation
> LED working light for targeted illumination of the crimping area
> Low noise level
> Long servicing intervals (up to 25,000 crimping actions)! The KNIPEX eCrimp is designed to only require servicing after 25,000 crimping actions. This means the intervals between servicing the electromechanical crimping pliers is 2.5 : 1 in relation to conventionally actuated crimping pliers. The pliers are therefore available for crimping use for considerably longer. They do not need to be sent away frequently for servicing. High availability without downtimes while being serviced.
> Powerful li-ion rechargeable battery (12 V; 1.5 Ah; 18 Wh); charge time approx. 30 min; no memory effect
> Tether attachment point to prevent falling during field work
> Max. pressing force of the jaws approx. 11 kN
> Approx. 170 operating cycles for plug-in connectors with 10 mm² nominal size with a single battery charge

**97 43 E**
> With euro plug

**97 43 E AUS**
> With plug adapter for AS/NSZ 3112 (AUS+NZ)

**97 43 E UK**
> With plug adapter for BS 5733 (GB)

**97 43 E US**
> With plug NEMA 1-15P (USA / Canada / Mexico)




**97 43 E**

The KNIPEX eCrimp is the first electromechanically actuated model of crimping pliers in the world. The possible use of over 40 KNIPEX crimping dies and locators as well as more than 1,000 special crimping dies from the proven Crimp System Pliers (97 43 200). Its universal application range makes it an essential tool in the workshop and for rough field work.











| Article No. | EAN 4003773- | Mains voltage/frequency | Connector socket | ⚖ g |
|---|---|---|---|---|
| **97 43 E** | 076858 | 230 V / 50 Hz | CEE 7/16 | 1960 |
| **97 43 E UK** | 076865 | 230 V / 50 Hz | BS 5733 | 1960 |
| **97 43 E AUS** | 076872 | 230 V / 50 Hz | AS/NSZ 3112 | 1960 |
| **97 43 E US** | 077008 | 120 V / 60 Hz | NEMA 1-15P | 1960 |

# Crimping Dies

## for KNIPEX Crimp System Pliers
## Art. No.: 97 43 XX

> Up to 250 different die profiles available; special profiles on request

| Article No. | EAN 4003773- | | | Applications | Capacity mm² | AWG | Capacity SW mm | Sleeves Ø mm |
|---|---|---|---|---|---|---|---|---|
| **97 49 04** | 030850 |  | | non-insulated open plug type connectors (plug width 2.8 + 4.8 mm) | 0.1 - 2.5 | 27 - 14 | | |
| **97 49 05** | 030867 | | | non-insulated open plug type connectors (plug width 4.8 + 6.3 mm) | 0.5 - 6 | 20 - 10 | | |
| **97 49 06** | 030836 |  | | insulated terminals, plug connectors + butt connectors | 0.5 - 6 | 20 - 10 | | |
| **97 49 07** | 077749 |  | | heat shrinkeable sleeve connectors | 0.5 - 6 | 20 - 10 | | |
| **97 49 08** | 030874 |  | | insulated and non-insulated wire ferrules | 0.25 - 6 | 24 - 10 | | |
| **97 49 09** | 030881 |  | | insulated and non-insulated wire ferrules | 10 / 16 / 25 | 8 / 6 / 4 | | |
| **97 49 10** | 076896 | | | non-insulated tubular cable lugs and crimp terminals in accordance with DIN 46237 and non-insulated butt and crimp connectors in accordance with DIN 46341 | 0.25 - 0.75 / 1 - 1.5 / 2.5 | 20 - 18 / 18 - 16 / 14 | | |
| **97 49 11** | 076902 |  | | non-insulated crimp terminals, tube and compression cable lugs in accordance with DIN 46234 and DIN 46235 and non-insulated crimp, butt and press connectors in accordance with DIN 46341 and DIN 46267 | 4 / 6 / 10 | 12 / 10 / 8 | | |
| **97 49 14** | 077756 | | | for non-insulated crimp terminals, tube and compression cable lugs in accordance with DIN 46234 and DIN 46235 and non-insulated crimp, butt and press connectors in accordance with DIN 46341 and DIN 46267 | 0.5 - 10 | 20 - 8 | | |
| **97 49 15** | 043164 |  | | for plug connectors and angled spade connectors according to DIN 46346 Form A (1.5 - 2.5 mm²)/ for non-insulated, open lug connectors (straight version) according to DIN 46247 (2.5 – 6 mm²) | 1.25 - 2.5 / 3 - 6 | | | |
| **97 49 16** | 040675 |  | | insulated terminals + cable connectors | 10 - 16 | 8 / 6 | | |
| **97 49 18** | 063186 |  | | Twin wire ferrules for two flexible conductors | 6 / 10 / 16 | | | |
| **97 49 19** | 030898 |  | | insulated and non-insulated wire ferrules | 35 - 50 | 2 / 0 | | |
| **97 49 20** | 045069 |  | | F-connectors for TV and satellite connections | | | 7.0 / 8.4 / 8.1 | 7.7 / 9.5 / 9.5 |
| **97 49 23** | 052135 |  | | non-insulated terminals + cable connectors | 16 / 25 | 6 / 4 | | |
| **97 49 24** | 030911 | | | D Sub; HD 20; HDE plug | 0.03 - 0.56 | 32 - 20 | | |
| **97 49 25** | 079798 |  | | for crimping connectors from the Micro-Fit™ series from Molex LLC | | 30 - 26 / 24 - 22 / 20 | | |
| **97 49 26** | 079804 | | | for crimping connectors in the Mini-Fit® series from Molex LLC | | 24 - 20 / 18 / 16 | | |
| **97 49 27** | 079811 | | | MQS connectors | 0.25 / 0.35 / 0.5 | 24 / 22 / 20 | | |
| **97 49 28** | 083757 |  | | connectors of the AMP Superseal 1.5 series from Tyco Electronics | 0.35 - 0.5 / 0.75 / 1 / 1.5 | 32 - 20 | | |
| **97 49 30** | 030904 |  | | non-insulated crimp connectors in accordance with DIN 46267 | 1.5 - 4<br>6 / 10 | 16 - 8<br>10 / 8 | | |
| **97 49 35** | 034315 |  | | spark plug connectors and distributors | 1 | 18 | | |
| **97 49 40** | 030959 |  | | Coax connectors RG 58, 59, 62, 71, 223 | | | 5.4 / 6.48 / 1.72 | 6.4 / 7.6 / 2.1 |

| Article No. | EAN 4003773- | | Applications | Capacity mm² | AWG | Capacity SW mm | Sleeves Ø mm |
|---|---|---|---|---|---|---|---|
| **97 49 44** | 041443 |  | PCB plug connector, type Phoenix-Contact module connector MCC-MT | 0.14 / 1.5 | | | |
| **97 49 50** | 030966 |  | Coax connectors/ car phone RG 58, 74, 188, 316 | | | 3.25 / 4.52 / 5.4 / 1.72 / 1.07 / 0.72 | 3.9 / 5.4 / 6.4 / 2.1 / 1.3 / 0.95 |
| **97 49 54** | 041450 |  | TE Timer Contact System / Junior Power Timer / Receptacle Contacts (length 18.8 mm) | 0.5 - 2.5 | | | |
| **97 49 59** | 073734 |  | solar cable connectors Helios H4 (Amphenol) | 2.5 / 4 / 6 | 14 - 10 | | |
| **97 49 60** | 030928 |  | turned contacts (HTS + Harting) | 0.14 - 4 | 26 - 12 | | |
| **97 49 61** | 045137 | | turned contacts | 1.5 / 2.5 / 4 / 6 | 16 / 14 / 12 / 10 | | |
| **97 49 62** | 063179 |  | solar cable connectors (Huber + Suhner) | 2.5 / 4 | 14 / 12 | | |
| **97 49 63** | 066675 | | solar cable connectors (Huber + Suhner) | 4 / 6 | 12 / 10 | | |
| **97 49 64** | 044055 |  | ABS connectors in motor vehicles | 1 / 6 | 18 - 10 | | |
| **97 49 65** | 066682 |  | solar cable connectors MC3 (Multi-Contact) | 2.5 - 6 | 14 / 10 | | |
| **97 49 66** | 066699 | | solar cable connectors MC4 (Multi-Contact) | 2.5 - 6 | 14 / 10 | | |
| **97 49 66 4** | 072096 |  | solar cable connectors MC4 (Multi-Contact) cutting – stripping – crimping | 4 | 12 | | |
| **97 49 66 6** | 072102 | | solar cable connectors MC4 (Multi-Contact) cutting – stripping – crimping | 6 | 10 | | |
| **97 49 67** | 066705 |  | solar cable connectors (Hirschmann) | 2.5 - 6 | 14 - 10 | | |
| **97 49 68** | 066712 |  | solar cable connectors (Tyco) | 1.5 - 6 | 16 - 10 | | |
| **97 49 69 1** | 072119 |  | solar cable connectors gesis® solar PST 40 (Wieland) | 0.14 - 4 | 26 - 12 | | |
| **97 49 69 2** | 072126 | | solar cable connectors gesis® solar PST 40 (Wieland) | 4 - 10 | 12 - 8 | | |
| **97 49 70** | 030942 |  | solar cable connectors MC4 (Multi-Contact) | 4 - 10 | | | |
| **97 49 71** | 075066 |  | solar cable connectors MC4 (Multi-Contact) | 4 - 10 | 12 - 8 | | |
| **97 49 72** | 076957 |  | solar cable connectors MC3 (Multi-Contact) | 4 / 6 / 10 | 12/ 10 / 8 | | |
| **97 49 74** | 044062 |  | unshielded Molex plugs | | | | |
| **97 49 76** | 047513 |  | shielded Stewart plugs | | | | |
| **97 49 81** | 042778 | | fibre optic connectors, e.g. Harting | | | 3.0 / 4.95 / 6.5 | 3.5 / 6.0 / 7.5 |
| **97 49 82** | 042785 | | fibre optic connectors, e.g. Telegärtner | | | 3.25 / 3.65 / 4.52 | 3.6 / 4.0 / 5.4 |
| **97 49 83** | 044079 |  | fibre optic connectors, e.g. FSMA-;ST-; SC- + STSC-/K-connectors | | | 3.65 / 4.2 / 5.0 | 4.3 / 5.4 / 6.0 |
| **97 49 84** | 042792 | | fibre optic conncetors, e.g. Huber/Suhner | | | 3.8 / 4.3 / 4.95 | 4.5 / 5.2 / 6.0 |
| **97 49 87** | 043331 | | fibre optic connectors, e.g. FSMA-;ST- and MIC-connectors | | | 8.7 | 9.5 |

| | | |
|---|---|---|
| **97 49 94** | 030997 | Locator for 97 49 04 |
| **97 49 95** | 031000 | Locator for 97 49 05 |
| **97 49 93** | 047926 | Locator for 97 49 24 (DSubplugs) |
| **97 49 28 1** | 083764 | Wire Feed Stopper for 97 49 28 |
| **97 49 59 1** | 073741 | Locator for 97 49 59 (solar cable connectors Helios H4) |
| **97 49 90** | 031017 | Locator for 97 49 60 (HTS+Harting) |
| **97 49 65 1** | 066729 | Locator for 97 49 65 (solar cable connectors MC3) |
| **97 49 66 1** | 066736 | Locator for 97 49 66 (solar cable connectors MC4) |
| **97 49 68 1** | 066743 | Locator for 97 49 68 (solar cable connectors Solarlok) |
| **97 49 69 11** | 072133 | Locator for 97 49 69 1 and 97 49 69 2 |
| **97 49 71 1** | 075073 | Locator for 97 49 71 (solar cable connectors MC4) |

# Tool Case for Photovoltaics

> With tools for photovoltaics
> Without crimping dies – please order separately (see ref. 97 49...) for individual assortment
> With service tools (hexagonal key) for the change of crimping dies
> Shock-resistant plastic case
> Foam insert with recesses for tools, crimping dies and locators
> Dimensions, exterior (W x H x D): 345 x 80 x 280 mm



97 91 01

| Article No. | EAN 4003773- | | | | Quantity | ⚖ g |
|---|---|---|---|---|---|---|
| **97 91 01** | 070351 | | Tool Case for Photovoltaics | | | 1964 |
| | 062998 | | 12 12 11 | Precision Insulation Stripper with adapted blades | 1 | |
| | 039648 | 1000 V | 95 16 165 | Cable Shears | 1 | |
| | 030812 | | 97 43 200 | Crimp System Pliers for exchangeable crimping dies | 1 | |

# Set of Mounting Tools

## for solar cable connectors MC4 (Multi-Contact)

> Set of two mounting tools
> To loosen and tighten cable glands of MC4 solar plugs
> To open the locking of MC4 housings (even in case of mounted lock clip)
> Tool: plastic, fibreglass-reinforced



**97 49 66 2**

| Article No. | EAN 4003773- | ↔ mm | ⚖ g |
|---|---|---|---|
| **97 49 66 2** | 074106 | 115 | 18 |

| | | |
|---|---|---|
| **97 49 66 1** | 066736 | Locator for 97 49 66 (solar cable connectors MC4) |
| **97 49 66 4** | 072096 | Crimping dies |
| **97 49 66 6** | 072102 | Crimping dies |

# Compression Tool

## for coax connectors

- For crimping F, BNC and RCA connectors
- Robust design

> Suitable for RG 59 / 6 / 11 cable
> Rotatable head for different cable sizes
> Rotatable insert for various types of connector
> Adjusting screw for various connector lengths
> Applicable among others for compression connectors Kathrein EMK 12; Cablecon F-56 CX3 5.1; Astro FKS 06




**97 40 20 SB**




| Article No. | EAN 4003773- | ↔ mm | Applications | ⚖ g |
|---|---|---|---|---|
| **97 40 20 SB** | 077626 | 175 | for F, BNC and RCA connectors | 430 |

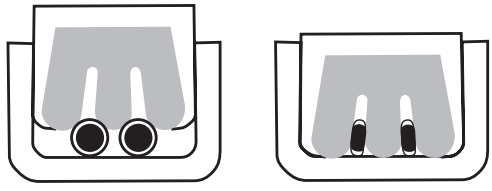
# Crimping Pliers for Scotchlok™ connectors

## with side cutter

> For crimping plastic-insulated telecommunication or signal cables using the U-contact principle in single Scotchlok™ connectors
> No stripping necessary, U-shaped elements establish the connection
> Cutting edges additionally induction-hardened, cutting edge hardness approx. 59 - 62 HRC
> With opening spring
> Vanadium electric steel; forged, oil-hardened




**97 50 01**



| Article No. | EAN 4003773- | ↔ mm | | | Head | Handles | Applications | Capacity Ø mm | ⚖ g |
|---|---|---|---|---|---|---|---|---|---|
| **97 50 01** | 028239 | 155 | | | polished | plastic coated | Scotchlok™ single connector | 0.4 - 1.1 | 135 |

# Crimping Pliers for Western plugs

> Professional tool for cutting and stripping unshielded ribbon telephone cables
> For crimping 6- and 8-pole Western plugs type RJ 11/12 (9.65 mm width) and type RJ 45 (11.68 mm width)
> Precise crimping process thanks to parallel crimping
> Repetitive, high crimping quality due to integral lock (self-releasing mechanism)
> With length cutter and stripping knife for ribbon cables 6 and 12 mm length
> With additional stripping device for round cables
> Optimum transmission of force due to lever action for fatigue-reduced operation
> For Western plug type RJ 10 (7.65 mm wide), RJ 11/12 (9.65 mm wide) and RJ 45 (11.68 mm wide)
> Head burnished, two-colour dual component handles
> Chrome vanadium electric steel in special quality, oil-hardened




**97 51 10**




**97 51 12**







| Article No. | EAN 4003773- | ↔ mm | | | Handles | Capacity | ⚖ g |
|---|---|---|---|---|---|---|---|
| **97 51 10** | 043171 | 190 |  | | with multi-component grips | RJ 11/12 (6-poles) 9.65 mm RJ 45 (8-poles) 11.68 mm | 340 |
| **97 51 12** | 043188 | 200 | | | with multi-component grips | RJ 10 (4-poles) 7.65 mm RJ 11/12 (6-poles) 9.65 mm RJ 45 (8-poles) 11.68 mm | 533 |

| | | |
|---|---|---|
| **97 59 06** | 029700 | 4 spare blades for 97 51 10 |
| **97 59 12** | 069997 | 3 spare blades for 97 51 12 |

# Crimping Pliers for RJ45 Western plugs

## Professional network crimping tool: cutting, stripping, crimping – crimps unshielded and shielded 8-pole modular plugs

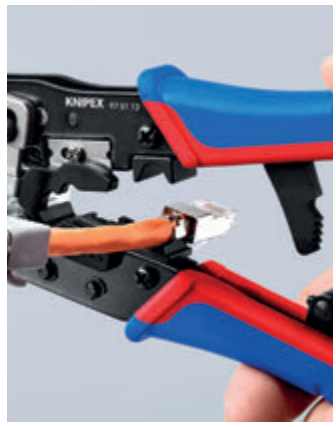


- All-in-one tool for cable cutting, stripping of round cable and crimping of common RJ45 plugs
- Reliably crimps shielded and unshielded RJ45 Western plugs (8P8C)
- With adjustable retaining bracket, for all common RJ45 plugs with closed and non-closed housings



**For shielded and unshielded Western plugs!**

> Exact crimping process due to parallel crimp and self-releasing mechanism
> Dual crimping points for equal and balanced crimping pressure
> Quick cutting and stripping of CAT-cables with the high-quality blade
> With ergonomic multi-component handles
> For current and future Western connection technology in the network / Ethernet area and Western modular plugs with 8P8C pin assignment





| Article no. | EAN 4003773- | ↔ mm | | Handles | Capacity | ⚖ g |
|---|---|---|---|---|---|---|
| **97 51 13** | 087908 | 190 | | with multi-component grips | Western plugs, 8-poles | 345 |
| **97 59 12** | 069997 | 1 spare blade for 97 51 13 | | | | |

# Crimping Pliers

## short design

> Consistently high crimping quality thanks to precision dies and forced locking mechanism (unlockable)
> Crimping pressure has been set precisely (calibrated) in the factory, re-adjustable
> Optimum transmission of force thanks to toggle lever for fatigue-reduced operation
> Good handling due to 20° angled head, low weight and short design
> Optimum transmission of force due to lever action for fatigue-reduced operation
> Chrome vanadium electric steel in special quality, oil-hardened

**97 52 14**
> Available as accessory: locator for non-insulated open plug-type connectors




**97 52 14**



**97 52 20**



| Article No. | EAN 4003773- | ↔ mm | | | Handles | Applications | Capacity mm² | AWG | ⚖ g |
|---|---|---|---|---|---|---|---|---|---|
| **97 52 14** | 026808 | 195 | | | with multi-component grips | non-insulated open plug type connectors (plug width 2.8 + 4.8 mm) | 0.1 - 1.5 | 27 - 16 | 387 |
| **97 52 20** | 026853 | 195 | | | with multi-component grips | Coax-, BNC- and TNC-connectors RG 58/59/62/71/223 | | | 380 |
| **97 59 14** | 026976 | Locator for 97 52 14 | | | | | | | |

# Crimping Pliers

## also for two-hand operation

> For solder-free electrical connections
> The ingenious lever transmission reduces the handforce up to 30 % compared with regular crimping pliers
> Consistently high crimping quality thanks to precision dies and forced locking mechanism (unlockable)
> Crimping pressure has been set precisely (calibrated) in the factory, re-adjustable
> Two-hand operation for easy crimping of large conductor diameters
> Easy handling as a result of well balanced centre of gravity, angled head and ergnomically shaped handles
> Chrome vanadium electric steel in special quality, oil-hardened



First step: move the handle with two fingers only until both jaws touch the connector to be crimped



Second step: now use the whole hand for further crimping procedure



Third step: when greater hand force is required, such as e.g. when crimping insulated connectors 6.0 mm², two-hand operation is possible by the longer handles



97 52 04



97 52 05



97 52 06



97 52 08



97 52 09



97 52 10



97 52 13



97 52 19

| Article No. | EAN 4003773- | ↔ mm | | | Applications | Capacity mm² | AWG | ⚖ g |
|---|---|---|---|---|---|---|---|---|
| **97 52 04** | 025450 | 250 |  | | non-insulated open plug type connectors (plug width 2.8 + 4.8 mm) | 0,1 - 2,5 | 27 - 14 | 562 |
| **97 52 05** | 025467 | 250 | | | non-insulated open plug type connectors (plug width 2.8 + 4.8 mm) | 0,5 - 6 | 20 - 10 | 572 |
| **97 52 06** | 025474 | 250 |  | | insulated terminals, plug connectors and butt connectors | 0,5 - 6 | 20 - 10 | 565 |
| **97 52 08** | 025481 | 250 |  | | insulated and non-insulated end sleeves (ferrules) | 0,25 - 6 | 24 - 10 | 565 |
| **97 52 09** | 025498 | 250 | | | insulated and non-insulated end sleeves (ferrules) | 10 / 16 / 25 | 8 / 6 / 4 | 571 |
| **97 52 10** | 023678 | 250 |  | | Coax-, BNC- and TNC-connectors | | | 577 |
| **97 52 13** | 048084 | 250 |  | | non-insulated crimp terminals, tube and compression cable lugs in accordance with DIN 46234 and DIN 46235 and non-insulated crimp, butt and press connectors in accordance with DIN 46341 and DIN 46267 | 0,5 - 10 | 20 - 8 | 558 |
| **97 52 19** | 052142 | 250 |  | | insulated and non-insulated end sleeves (ferrules) | 35 - 50 | 2 / 0 | 567 |
| **97 52 23** | 052159 | 250 |  | | non-insulated terminals + cable connectors | 16 / 25 | 6 / 4 | 565 |
| **97 52 18** | 026839 | 250 |  | | Twin end sleeves (ferrules) 2 x 6 / 2 x 10 / 2 x 16 mm² | | 2 x 10 / 2 x 8 / 2 x 6 | 571 |

| | | |
|---|---|---|
| **97 49 94** | 030997 | Locator for 97 49 04 / 97 52 04 / 97 52 34 |
| **97 49 95** | 031000 | Locator for 97 49 05 / 97 52 05 / 97 52 35 |

# KNIPEX PreciForce

## Crimping Pliers

> Consistently high crimping quality thanks to precision dies and forced locking mechanism (unlockable)
> Crimping pressure has been set precisely (calibrated) in the factory, re-adjustable
> Optimum transmission of force thanks to toggle lever for fatigue-reduced operation
> Good handling thanks to favourable handle position, low weight, compact design and ergonomically shaped handles
> Chrome vanadium electric steel in special quality, oil-hardened

**For daily crimping applications, the specialist likes crimping pliers that work precisely and reliably.**

**In addition, they should be light, comfortable to use, robust and reasonably priced: KNIPEX PreciForce.**



97 52 36



97 52 37





97 52 30



97 52 33



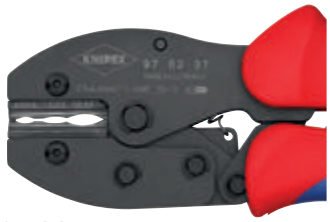
97 52 34



97 52 35



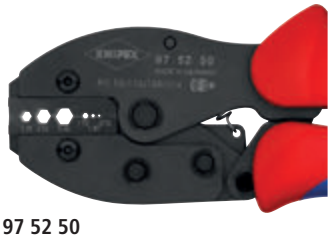
97 52 36



97 52 37



97 52 38



97 52 50

| Article No. | EAN 4003773- | ↔ mm | | | Applications | Capacity mm² | AWG | ⚖ g |
|---|---|---|---|---|---|---|---|---|
| **97 52 30** | 051855 | 220 | | | compression joints according to DIN 46267 | 1,5 - 4 / 6 / 10 | 16 - 8 | 477 |
| **97 52 33** | 051862 | 220 | | | non-insulated crimp terminals, tube and compression cable lugs in accordance with DIN 46234 and DIN 46235 and non-insulated crimp, butt and press connectors in accordance with DIN 46341 and DIN 46267 | 0,5 - 10 | 20 - 8 | 478 |
| **97 52 34** | 051879 | 220 | | | non-insulated open plug type connectors (plug width 2.8 + 4.8 mm) | 0,1 - 2,5 | 27 - 14 | 483 |
| **97 52 35** | 051886 | 220 | | | non-insulated open plug type connectors (plug width 4.8 + 6.3 mm) | 0,5 - 6 | 20 - 10 | 494 |
| **97 52 36** | 051893 | 220 | | | insulated terminals + cable connectors | 0,5 - 6 | 20 - 10 | 487 |
| **97 52 37** | 063193 | 220 | | | heat shrinkeable sleeve connectors | 0,5 - 6 | 20 - 10 | 478 |
| **97 52 38** | 051909 | 220 | | | insulated and non-insulated end sleeves (ferrules) | 0,25 - 6 | 24 - 10 | 493 |
| **97 52 50** | 051916 | 220 | | | COAX-, BNC- and TNC-connectors for RG 58; 174; 188; 316 | | | 498 |

| | | |
|---|---|---|
| **97 49 94** | 030997 | Locator for 97 49 04 / 97 52 04 / 97 52 34 |
| **97 49 95** | 031000 | Locator for 97 49 05 / 97 52 05 / 97 52 35 |

# Four-Mandrel Crimping Pliers for turned contacts

> For crimping turned contacts
> Four-mandrel crimping for top-quality crimping connections
> Mandrel gauge to check the basic setting
> Repetitive, high crimping quality due to integral lock (self-releasing mechanism)
> Optimum transmission of force due to highly effective lever action for fatigue-reduced operation
> High operation comfort thanks to handy shape
> Chrome vanadium electric steel in special quality, oil-hardened



**97 52 63**
PATENTED

**97 52 63**
> Fine adjustment of pressure depending on the conductor's diameter by means of adjusting wheel. Pliers in a plastic case with foam insert and standard locator for precise positioning of the contacts

**97 52 63 DG**
> Crimping capacity can be adjusted in increments of 0.01 mm; With digital display of the preset crimping capacities and possibility of re-calibration via RESET function with electronic wear monitoring; Adjustment in mm, inches or comparable selection positions according to MIL; Pliers in a plastic case with foam insert and standard locator for precise positioning of the contacts



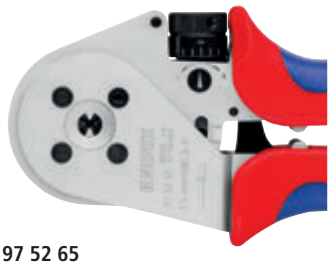
**97 52 63 DG**

**97 52 64**
> Pressure adjustment depending on the conductor's diameter by means of adjusting wheel in 4 different positions; Locator for positioning the contacts



**97 52 64**

**97 52 65**
> Fine adjustment of pressure depending on the conductor's diameter by means of adjusting wheel; Locator for positioning the contacts; With table for calculating the settings; Pliers in a plastic case with foam insert



**97 52 65**

**97 52 65 A**
> Fine adjustment of pressure depending on the conductor's diameter by means of adjusting wheel; With table for calculating the settings; Pliers in a plastic case with foam insert



**97 52 65 A**

**97 52 65 DG**
> Crimping capacity can be adjusted in increments of 0.01 mm; With digital display of the preset crimping capacities and possibility of re-calibration via RESET function with electronic wear monitoring; Adjustment in mm, inches or comparable selection positions according to MIL; With table for calculating the settings; Pliers in a plastic case with foam insert and standard locator for precise positioning of the contacts



**97 52 65 DG**

**97 52 65 DG A**
> Crimping capacity can be adjusted in increments of 0.01 mm; With digital display of the preset crimping capacities and possibility of re-calibration via RESET function with electronic wear monitoring; Adjustment in mm, inches or comparable selection positions according to MIL; With table for calculating the settings; Pliers in a plastic case with foam insert; Without locator



**97 52 65 DG A**

**97 59 65 2**
> Locator for holding turned contacts for crimping; Precisely adjustable to the length (20 - 45 mm) and diameter (1 - 8 mm) of the crimping connector; Locator that is universally adjustable (in length and diameter) for the repeatable exact alignment of turned contacts in crimping pliers; can be set to all commercially available turned contacts in the four-mandrel crimping pliers' capacity range



**97 59 65 2**
Universal Locator

Turned contacts are used for particularly demanding plug-type connections, e.g. in medical industry and aeronautics. Extremely reliable crimping connections can be achieved only with pliers that work with absolute precision and maintain the required crimping depth in the 1/100 mm range.



Standard locator



Multi-functional digital display, adjustment in mm, inch or comparable selection positions according to MIL



| Article No. | EAN 4003773- | ↔ mm | | | Pliers | Handles | Applications | Capacity mm² | AWG | ⚖ g |
|---|---|---|---|---|---|---|---|---|---|---|
| **97 52 63** | 050148 | 180 | | | chrome plated | with multi-component grips | turned contacts | 0.08 - 2.5 | 28 - 14 | 388 |
| **97 52 63 DG** | 063209 | 195 | | | chrome plated | with multi-component grips | turned contacts | 0.08 - 2.5 | 28 - 14 | 388 |
| **97 52 64** | 044093 | 180 | | | chrome plated | with multi-component grips | turned contacts | 0.08 - 2.5 | 28 - 14 | 424 |
| **97 52 65** | 045236 | 230 | | | chrome plated | with multi-component grips | turned contacts (Harting; Ilme; Phoenix; Amphenol; Walther; HTS; Contact; Weidmüller) | 0.14 - 6 | 26 - 10 | 676 |
| **97 52 65 A** | 071594 | 250 | | | chrome plated | with multi-component grips | turned contacts (Harting; Ilme; Phoenix; Amphenol; Walther; HTS; Contact; Weidmüller) | 0.14 - 6 | 26 - 10 | 604 |
| **97 52 65 DG** | 063216 | 250 | | | chrome plated | with multi-component grips | turned contacts (Harting; Ilme; Phoenix; Amphenol; Walther; HTS; Contact; Weidmüller) | 0.14 - 6 | 26 - 10 | 633 |
| **97 52 65 DG A** | 071990 | 250 | | | chrome plated | with multi-component grips | turned contacts (Harting; Ilme; Phoenix; Amphenol; Walther; HTS; Contact; Weidmüller) | 0.14 - 6 | 26 - 10 | 633 |

| | | |
|---|---|---|
| **97 59 14** | 026976 | Locator for 97 52 14 |
| **97 59 65 2** | 071600 | Universal Locator for 97 52 65 / 97 52 65 A / 97 52 65 DG / 97 52 65 DG A |

# Self-Adjusting Crimping Pliers for wire ferrules

PATENTED

## with lateral access

▸ Narrow handle width and improved ergonomics

> For crimping wire ferrules according to DIN 46228 parts 1 + 4
> Self-adjustment to the size of wire ferrules required
> Repetitive, high crimping quality due to integral lock (self-releasing mechanism)
> Tools have been set precisely (calibrated) in the factory
> Optimum transmission of force thanks to toggle lever for fatigue-reduced operation
> Handy shape and low weight provide high operation comfort
> Chrome vanadium electric steel in special quality, oil-hardened




**97 53 04**




**97 55 04**




**97 55 14**

The small crimping pliers for wire end sleeves with two major advantages for the user:

> Automatic adjustment to the end sleeves used: This makes work easier for the professional and offers reliable and fast crimping

> Expanded range of applications





Crimping capacity can be switched over simply from 10 mm² to 16 mm².





| Article No. | EAN 4003773- | ↔ mm | | | Pliers | Handles | Applications | Capacity mm² | AWG | ⚖ g |
|---|---|---|---|---|---|---|---|---|---|---|
| **97 53 04** | 028017 | 180 |  |  | burnished | with multi-component grips | Wire ferrules | 0.08 - 10 / 16 | 28 - 6 | 459 |
| **97 55 04** | 084853 | 180 |  |  | chrome plated | with multi-component grips | Wire ferrules | 0.08 - 10 / 16 | 28 - 6 | 459 |
| **97 55 14** | 084860 | 180 |  |  | chrome plated | with multi-component grips | Wire ferrules | 0.08 - 10 | 28 - 8 | 445 |

| | | |
|---|---|---|
| **97 59 30** | 053965 | Extension spring for 97 53 4/5/8/9/14 thin |
| **97 59 31** | 053972 | Extension spring for 97 53 4/5/8/9/14 thick |

# Now capable of crimping twin wire ferrules up to 2 x 10 mm²

## Automatic Crimping Pliers for Wire Ferrules

PATENTED

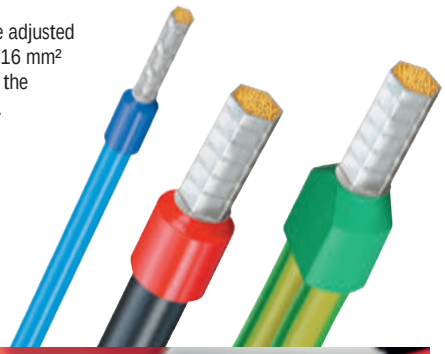
### Now with greater crimping capacity: easy crimping of wire ferrules up to 16 mm² or twin wire ferrules up to 2 x 10 mm²

- Hexagonal crimp layout for near round form, particularly suitable for confined connections
- Automatic self-adjustment to wire ferrules with ratcheting mechanism ensuring a complete crimping cycle for consistent, reliable and fast crimping

> Reliable hexagonal crimping of wire ferrules from 0.08 to 16 mm² (AWG 6) by simply turning and setting the adjusting wheel and all twin wire ferrules up to 2 x 10 mm² (AWG 2 x 8)
> Automatic adaptation via self-adjustment to the wire ferrule size for precise and quick crimping
> Crimping pressure calibrated in the factory for precise crimping
> Optimum transmission of force due to toggle lever for fatigue-reduced operation
> Ergonomic and comfortable handle, smooth operation and lightweight
> Crimping of wire ferrules according to DIN 46228 parts 1+4




The crimping pliers can be adjusted to large wire ferrules of 16 mm² or 2 x 10 mm² with the adjusting wheel.





Enormous capacity: crimps single wire ferrules up to 16 mm² or twin wire ferrules up to 2 x 10 mm²



Suitable for fine conductors: crimps fine conductors from 0.08 mm²



Also suitable for twin wire ferrules: capacity up to 2 x 10 mm²

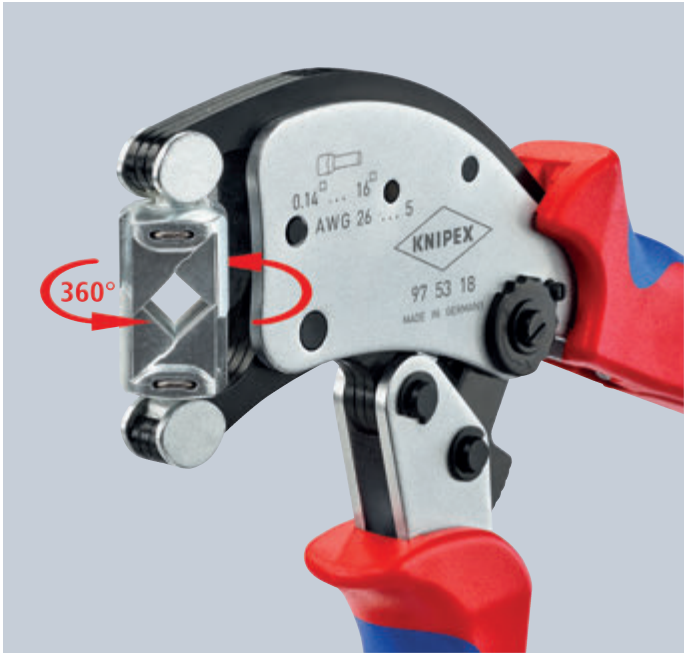
| Article no. | EAN 4003773- | ↔ mm | Handles | Application | Capacity mm² | AWG | ⚖ g |
|---|---|---|---|---|---|---|---|
| **97 53 14** | 041474 | 180 | with multi-component grips | Hexagonal crimp | Wire ferrules 0.08 – 16<br>Twin wire ferrules 2 x 10 | Wire ferrules 6<br>Twin wire ferrules 2 x 8 | 416 |
| **97 53 14 SB** | 048497 | 180 | with multi-component grips | Hexagonal crimp | Wire ferrules 0.08 – 16<br>Twin wire ferrules 2 x 10 | Wire ferrules 6<br>Twin wire ferrules 2 x 8 | 416 |

# KNIPEX Twistor® 16

## Self-Adjusting Crimping Pliers for wire ferrules with rotatable die head

> Self-adjusting crimping pliers for wire ferrules with rotatable crimp head
> Crimp head can be freely rotated 360°, with 8 locking positions
> Square crimp profile, high capacity range from 0.14 to 16 mm²
> Wire ferrules can be crimped from almost any working position
> Crimping pliers adjust automatically to different cross-sections
> Crimp opening accessible from both sides, extra-long wire ferrules can be fed in
> Crimping of Twin wire ferrules up to 2 x 6 mm² possible
> Repetitive, high crimping quality due to integral lock (self-releasing mechanism)
> Light and handy tool, manual force reinforced by toggle lever mechanism
> Chrome vanadium electric steel in special quality, oil-hardened



Crimp head can be rotated 360° for optimal accessibility, even in confined spaces



All-round care-free solution: KNIPEX Twistor 16 with accessories in the practical TANOS MINI-systainer®


Twin wire ferrules up to 2 x 6 mm² can be crimped without adjustment




Uniquely flexible: connectors can be inserted in the rotatable crimp head from almost any position

| Article No. | EAN 4003773- | ↔ mm | | | Pliers | Handles | Applications | Capacity mm² | AWG | ⚖ g |
|---|---|---|---|---|---|---|---|---|---|---|
| **97 53 18** | 082729 | 240 | | | chrome plated | with multi-component grips | Wire ferrules | 0.14 - 16 | 26 - 6 | 478 |

# Self-Adjusting Crimping Pliers for wire ferrules

## with front loading

> For crimping wire ferrules according to DIN 46228 parts 1 + 4
> Self-adjusting adaptation to the desired wire ferrule size: no wrong crimps caused by using the wrong die
> Frontal insertion of the wire ferrules into the pliers
> Repetitive, high crimping quality due to integral lock (self-releasing mechanism)
> Crimping pressure has been set precisely (calibrated) in the factory, re-adjustable
> Optimum transmission of force thanks to toggle lever for fatigue-reduced operation
> Handy shape and low weight provide high operation comfort
> Chrome vanadium electric steel in special quality, oil-hardened



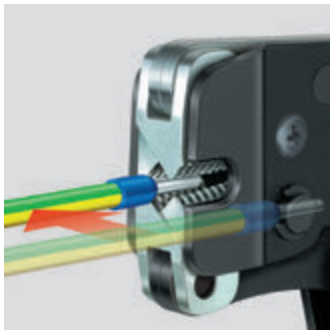

**97 53 08**



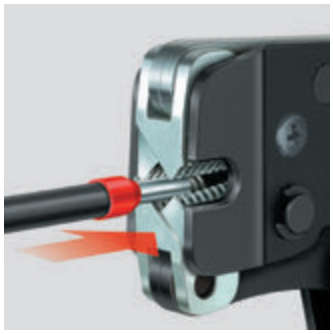

**97 53 09**

**97 53 08**
> Compression from 0.08 - 10.0 mm² in one profile; wire end sleeves up to 2.5 mm² can also be loaded parallely from the side; suitable in particular for all twin wire end sleeves up to 2 x 4 mm² or 2 x AWG 10

**97 53 09**
> Compression from 0.08 - 10.0 and 16.0 mm² in one profile; with selector lever for setting the crimping area either to 0.08 - 10 mm² or 16 mm²; suitable in particular for all twin wire end sleeves up to 2 x 6 mm² or 2 x AWG 8



97 53 08: lateral loading of wire ferrules up to 2.5 mm² parallely from the side e.g. in confined areas



Front loading of wire ferrules e.g. in switch-boards



Square-Crimp

The crimping pliers for end sleeves (ferrules) with three great advantages for the user:

> Automatic self-adjustment to the wire end sleeve used: this allows the specialist to work with less strain and enables secure, reliable and quick crimping.
> Range of applications also for large cross-sections: square crimping 0.08 to 10 + 16 mm²
> Front loading: very helpful under difficult working conditions in confined areas.

| Article No. | EAN 4003773- | ↔ mm | | | Pliers | Handles | Applications | Capacity mm² | AWG | ⚖ g |
|---|---|---|---|---|---|---|---|---|---|---|
| **97 53 08** | 040187 | 190 |  | MM | burnished | with multi-component grips | Wire ferrules | 0.8 - 10 | 28 - 8 | 477 |
| **97 53 09** | 044550 | 190 |  | MM | burnished | with multi-component grips | Wire ferrules | 0.08 - 10 / 16 | 28 - 6 | 486 |

| | | |
|---|---|---|
| **97 59 30** | 053965 | Extension spring for 97 53 4 / 5 / 8 / 9 / 14 thin |
| **97 59 31** | 053972 | Extension spring for 97 53 4 / 5 / 8 / 9 / 14 thick |

# Crimping Pliers for micro plugs

## parallel crimping

> Parallel crimping performance to satisfy the particularly high standards of small connectors
> Consistently high crimping quality thanks to precision dies and forced locking mechanism (unlockable)
> Crimping pressure has been set precisely (calibrated) in the factory, re-adjustable
> Optimum transmission of force thanks to toggle lever for fatigue-reduced operation
> Crimping pliers for other mini plugs such as HD 22, Modu IV, Micro Timer, MQS ... on request
> Chrome vanadium electric steel in special quality, oil-hardened








97 54 24



97 54 25



97 54 26



97 54 27

| Article No. | EAN 4003773- | ↔ mm | | | Pliers | Handles | Applications | Capacity mm² | AWG | ⚖ g |
|---|---|---|---|---|---|---|---|---|---|---|
| **97 54 24** | 060215 | 190 | | | burnished | with multi-component grips | D Sub; HD 20; HDE plug | 0.03 - 0.56 | 32 - 20 | 305 |
| **97 54 25** | 079859 | 190 | | | burnished | with multi-component grips | for crimping connectors from the Micro-Fit™ series from Molex LLC | | 30 - 26 / 24 - 22 / 20 | 305 |
| **97 54 26** | 079866 | 190 | | | burnished | with multi-component grips | for crimping connectors in the Mini-Fit® series from Molex LLC | | 16 / 18 / 20 - 24 | 305 |
| **97 54 27** | 079873 | 190 | | | burnished | with multi-component grips | MQS connectors | 0.25 / 0.35 / 0.5 | | 305 |

# Crimping Pliers for wire ferrules

## with trapezoid crimp

> For crimping wire 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 61 145 A




97 68 145 A

| Article No. | EAN 4003773- | ↔ mm | | | Head | Handles | Capacity mm² | AWG | ⚖ g |
|---|---|---|---|---|---|---|---|---|---|
| **97 61 145 A** | 035558 | 145 | | | polished | plastic coated | 0.25 - 2.5 | 24 - 14 | 140 |
| **97 62 145 A** | 060154 | 145 | | | polished | with multi-component grips | 0.25 - 2.5 | 24 - 14 | 170 |
| **97 68 145 A** | 071754 | 145 | | 1000 V | polished | insulated with multi-component grips, VDE-tested | 0.25 - 2.5 | 24 - 14 | 175 |

# Crimping Pliers for wire ferrules

## with mandrel crimp

- Light and slim design
- Also as VDE version
- Easy crimping due to optimised transmission ratio

> For crimping wire ferrules according to DIN 46228 parts 1 + 4 from 0.25 to 16 mm²
> 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

**97 78 180 T ***
> Pliers with tether attachment point for mounting a fall protection







**97 71 180**



**97 72 180**



**97 78 180**



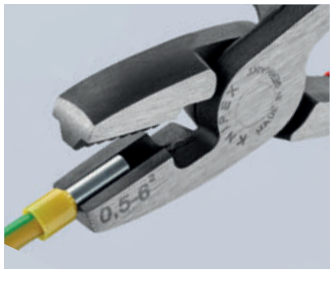
**97 78 180 T**

| Article No. | EAN 4003773- | ↔ mm | | | Head | Handles | Applications | Capacity mm² | AWG | ⚖ g |
|---|---|---|---|---|---|---|---|---|---|---|
| **97 71 180** | 040668 | 180 | | | polished | plastic coated | Wire ferrules | 0.25 - 16 | 24 - 6 | 205 |
| **97 72 180** | 060185 | 180 | | | polished | with multi-component grips | Wire ferrules | 0.25 - 16 | 24 - 6 | 242 |
| **97 78 180** | 072003 | 180 | | 1000 V | polished | insulated with multi-component grips, VDE-tested | Wire ferrules | 0.25 - 16 | 24 - 6 | 254 |
| **97 78 180 T** | 081531 | 180 | | 1000 V | polished | insulated with multi-component grips, with integrated insulated tether attachment point, VDE tested | Wire ferrules | 0.25 - 16 | 24 - 6 | 260 |

# Crimping Pliers for wire ferrules

## with front loading

> For crimping wire ferrules according to DIN 46228 parts 1 + 4 in the range 0.5 to 6 mm²
> Ideal for work in confined areas, e.g. in narrow and deep switch boxes
> Special tool steel, forged, oil-hardened







**97 81 180**

| Article No. | EAN 4003773- | ↔ mm | | | Head | Handles | Applications | Capacity mm² | AWG | ⚖ g |
|---|---|---|---|---|---|---|---|---|---|---|
| **97 81 180** | 019794 | 180 | | | polished | plastic coated | Wire ferrules | 0.5 - 6 | 20 - 10 | 209 |

*Other tools with tethering can be found from page 272

# Crimp Assortments

## for non-insulated wire ferrules

> In a TANOS MINI-systainer® (solid plastic box)
> T-Loc fastener for one-handed operation: open or close the systainer® with one turn and connect to a second systainer®
> Opening when connected: fast and simple access to content without disconnecting
> Two stackable plastic inserts with 6 trays each for connectors
> With an assortment of wire ferrules with/without collar

**97 90 05**
> With Crimping Pliers for end sleeves 97 71 180; Wire end sleeves without collar

**97 90 17**
> With crimping pliers for wire ferrules 97 53 09 and self-adjusting insulation stripper 12 42 195

**97 90 23**
> With Crimping Pliers KNIPEX PreciForce for wire end sleeves 97 52 38

**97 90 06**
> With Crimping Pliers for end sleeves 97 71 180; Wire end sleeves with collar

**97 90 09**
> With Self-Adjusting Crimping Pliers for wire end sleeves 97 53 04

**97 90 10**
> With Self-Adjusting Insulation Stripper 12 40 200; With Self-Adjusting Crimping Pliers for wire end sleeves 97 53 04

**97 90 13**
> With KNIPEX Twistor16 97 53 18 crimping pliers for wire ferrules

**97 90 14**
> With crimping pliers for wire ferrules KNIPEX Twistor16 97 53 18 and automatic insulation stripper KNIPEX PreciStrip16 12 52 195

**97 90 15**
> With crimping pliers for wire ferrules 97 53 09 and automatic insulation stripper KNIPEX PreciStrip16 12 52 195

**97 90 16**
> With crimping pliers for wire ferrules 97 53 09 and self-adjusting insulation stripper 12 40 200



97 90 05



97 90 10



97 90 13



97 90 23



Several boxes can be connected with each other

| Article No. | EAN 4003773- | | Pliers | 200 x mm² | 150 x mm² | 100 x mm² | 75 x mm² | 50 x mm² | 40 x mm² | ⚖ g |
|---|---|---|---|---|---|---|---|---|---|---|
| **97 90 05** | 025535 | | 97 71 180 | 0,5 / 0,75 / 1 / 1,5 / 2,5 | 4 / 6 | | | 10 / 16 | | 930 |
| **97 90 06** | 025542 | | 97 71 180 | 0,5 / 0,75 / 1 / 1,5 | 2,5 | | 6 | 10 | 16 | 1000 |
| **97 90 09** | 028574 | | 97 53 04 | 0,5 / 0,75 / 1 / 1,5 / 2,5 | | 4 / 6 | | 10 | | 1420 |
| **97 90 10** | 046202 | | 12 40 200<br>97 53 04 | 0,5 / 0,75 / 1 / 1,5 / 2,5 | | 4 / 6 | | 10 | | 1353 |
| **97 90 13** | 083474 | | 97 53 18 | 0,5 / 0,75 / 1 / 1,5 | 2,5 | | 6 | 10 | 16 | 1270 |
| **97 90 14** | 084884 | | 97 53 18<br>12 52 195 | 0,5 / 0,75 / 1 / 1,5 | 2,5 | | 6 | 10 | 16 | 1450 |
| **97 90 15** | 084877 | | 97 53 09<br>12 52 195 | | | 1,5 / 2,5 | | 6 | 4 | 1450 |
| **97 90 16** | 086024 | | 12 40 200<br>97 53 09 | 0,5 / 0,75 / 1 / 1,5 / 2,5 | | 4 / 6 | | 10 | | 1450 |
| **97 90 17** | 086031 | | 97 53 09 | 0,5 / 0,75 / 1 / 1,5 / 2,5 | | 4 / 6 | | 10 | | 1450 |
| **97 90 23** | 062158 | | 97 52 38 | 0,5 / 0,75 / 1 / 1,5 / 2,5 | | 4 / 6 | | | | 1226 |
| **97 90 00 LE** | 054009 | TANOS MINI-systainer® empty | | | | | | | | 900 |

# Crimp Assortments

## for cable connectors

> In a TANOS MINI-systainer® (solid plastic box)
> T-Loc fastener for one-handed operation: open or close the systainer® with one turn and connect to a second systainer®
> Opening when connected: fast and simple access to content without disconnecting
> Two stackable plastic inserts with 6 trays each for connectors
> With an assortment of standard cable connectors



97 90 21



97 90 22

**97 90 21**
> With Crimping Pliers KNIPEX PreciForce® 97 52 36 (for insulated terminals and plug connectors)

**97 90 22**
> With Self-Adapting Universal Insulation Stripper KNIPEX Multi-strip 10, 12 42 195; with Crimping Pliers KNIPEX PreciForce 97 52 36 (for insulated terminals and plug connectors)

**97 90 25**
> With crimping pliers 97 22 240

**97 90 26**
> With crimping pliers 97 32 240



97 90 25



97 90 26

| Article No. | EAN 4003773- | | Pliers | Cable Connectors | Quantity | Cable mm² | g |
|---|---|---|---|---|---|---|---|
| **97 90 21** | 062134 |  | 97 52 36 | Blade Terminal Sockets, 6.3 x 0.8 mm | 25 | 0,5 - 1 | 1416 |
| | | | | | 25 | 1,5 - 2,5 | |
| | | | | | 25 | 0,5 - 1 | |
| | | | | Round Sockets, Ø 4 mm | 25 | 0,5 - 1 | |
| | | | | Cable Connectors, eye type, Ø 4 mm | 25 | 4 - 6 | |
| | | | | | 25 | 4 - 6 | |
| | | | | Cable Connectors, eye type, Ø 5 mm | 25 | 1,5 - 2,5 | |
| | | | | | 25 | 1,5 - 2,5 | |
| | | | | Cable Connectors, eye type, Ø 6 mm | 25 | 1,5 - 2,5 | |
| | | | | Butt Connectors, insulated, red | 25 | 0,5 - 1 | |
| | | | | Butt Connectors, insulated, blue | 25 | 4 - 6 | |
| | | | | Round Pin Plugs, Ø 4 mm | 25 | 1,5 - 2,5 | |
| **97 90 22** | 062141 |  | 97 52 36<br>12 42 195 | Blade Terminal Sockets, 6.3 x 0.8 mm | 25 | 0,5 - 1 | 1527 |
| | | | | | 25 | 1,5 - 2,5 | |
| | | | | Cable Connectors, eye type, Ø 4 mm | 25 | 0,5 - 1 | |
| | | | | Cable Connectors, eye type, Ø 5 mm | 25 | 0,5 - 1 | |
| | | | | Cable Connectors, eye type, Ø 6 mm | 25 | 1,5 - 2,5 | |
| | | | | Cable Connectors, eye type, Ø 8 mm | 25 | 1,5 - 2,5 | |
| | | | | Cable Connectors, eye type, Ø 4 mm | 25 | 1,5 - 2,5 | |
| | | | | Cable Connectors, eye type, Ø 5 mm | 25 | 4 - 6 | |
| | | | | Cable Connectors, eye type, Ø 6 mm | 25 | 4 - 6 | |
| | | | | Butt Connectors, insulated, red | 25 | 0,5 - 1 | |
| | | | | Butt Connectors, insulated, blue | 25 | 1,5 - 2,5 | |
| | | | | Butt Connectors, insulated, yellow | 25 | 4 - 6 | |
| **97 90 25** | 076971 |  | 97 22 240 | Blade Terminal Sockets, 6.3 x 0.8 mm | 25 | 0,5 - 1,5 | 1150 |
| | | | | | 25 | 1 - 2,5 | |
| | | | | Cable Connectors, eye type, Ø 4 mm | 25 | 0,5 - 1 | |
| | | | | Cable Connectors, eye type, Ø 5 mm | 25 | 1,5 - 2,5 | |
| | | | | Cable Connectors, eye type, Ø 4 mm | 25 | 4 - 6 | |
| | | | | Cable Connectors, eye type, Ø 5 mm | 25 | 0,5 - 1 | |
| | | | | Cable Connectors, eye type, Ø 6 mm | 25 | 1,5 - 2,5 | |
| | | | | | 25 | 0,5 - 1 | |
| | | | | Cable Connectors, eye type, Ø 8 mm | 25 | 1,5 - 2,5 | |
| | | | | Butt Connectors, insulated, red | 25 | 0,5 - 1 | |
| | | | | Butt Connectors, insulated, blue | 25 | 1,5 - 2,5 | |
| | | | | Butt Connectors, insulated, yellow | 25 | 4 - 6 | |
| **97 90 26** | 079521 |  | 97 32 240 | Non-insulated Blade Terminal Sockets 6.3 x 0.8 mm | 25 | 1,5 - 2,5 | 1420 |
| | | | | | 25 | 4 - 6 | |
| | | | | Blade Terminal Sockets 6.3 x 0.8 mm | 25 | 0,5 - 1 | |
| | | | | | 25 | 0,5 - 1 | |
| | | | | | 25 | 1,5 - 2,5 | |
| | | | | Blade Terminal Plugs 6.3 x 0.8 mm | 25 | 1,5 - 2,5 | |
| | | | | | 25 | 4 - 6 | |
| | | | | Cable Connectors, eye type Ø 4 mm | 25 | 4 - 6 | |
| | | | | | 25 | 0,5 - 1 | |
| | | | | Butt Connectors, insulated, red | 25 | 1,5 - 2,5 | |
| | | | | Butt Connectors, insulated, blue | 25 | 0,5 - 1 | |
| | | | | Butt Connectors, insulated, yellow | 25 | 0,5 - 1 | |
| **97 90 00 LE** | 054009 | TANOS MINI-systainer® empty | | | | | 900 |

# Blade Terminal Sockets

## insulated

| Article No. | EAN 4003773- | | Width x Thickness mm² | Cable mm² | AWG | Colour | |
|---|---|---|---|---|---|---|---|
| **97 99 001** | 075882 | Blade Terminal Sockets insulated | 2.8 x 0.5 | 0.5 - 1 | 20 - 18 | Red | 100 |
| **97 99 010** | 075899 | Blade Terminal Sockets insulated | 4.8 x 0.8 | 0.5 - 1 | 20 - 18 | | 100 |
| **97 99 020** | 075912 | Blade Terminal Sockets insulated | 6.3 x 0.8 | 0.5 - 1 | 20 - 18 | | 100 |
| **97 99 011** | 075905 | Blade Terminal Sockets insulated | 4.8 x 0.8 | 1.5 - 2.5 | 16 - 14 | Blue | 100 |
| **97 99 021** | 075929 | Blade Terminal Sockets insulated | 6.3 x 0.8 | 1.5 - 2.5 | 16 - 14 | | 100 |
| **97 99 030** | 075943 | Blade Terminal Sockets insulated | 7.7 x 0.8 | 1.5 - 2.5 | 16 - 14 | | 100 |
| **97 99 022** | 075936 | Blade Terminal Sockets insulated | 6.3 x 0.8 | 4 - 6 | 12 - 10 | Yellow | 100 |



**97 99 022**

# Plug Connectors

## non-insulated

| Article No. | EAN 4003773- | | Width x Thickness mm² | Cable mm² | AWG | |
|---|---|---|---|---|---|---|
| **97 99 050** | 075950 | Plug connector non-insulated | 2.8 x 0.8 | 0.5 - 1 | 20 - 18 | 100 |
| **97 99 060** | 075967 | Plug connector non-insulated | 4.8 x 0.8 | 1.5 - 2.5 | 16 - 14 | 100 |
| **97 99 070** | 075974 | Plug connector non-insulated | 6.3 x 0.8 | 0.5 - 1.5 | 20 - 16 | 100 |
| **97 99 071** | 075981 | Plug connector non-insulated | 6.3 x 0.8 | 1 - 2.5 | 18 - 14 | 100 |



**97 99 050**

# Flat Pin Accessory Distributors

## insulated

| Article No. | EAN 4003773- | | Width x Thickness mm² | Cable mm² | AWG | Colour | |
|---|---|---|---|---|---|---|---|
| **97 99 090** | 075998 | Flat Pin Accessory Distributors insulated | 6.3 x 0.8 | 0.5 - 1 | 20 - 18 | Red | 100 |
| **97 99 091** | 076001 | Flat Pin Accessory Distributors insulated | 6.3 x 0.8 | 1.5 - 2.5 | 16 - 14 | Blue | 100 |
| **97 99 092** | 076018 | Flat Pin Accessory Distributors insulated | 6.3 x 0.8 | 4 - 6 | 12 - 10 | Yellow | 100 |



**97 99 091**

# Blade Terminal Plugs

## insulated

| Article No. | EAN 4003773- | | Width x Thickness mm² | Cable mm² | AWG | Colour | |
|---|---|---|---|---|---|---|---|
| **97 99 110** | 076025 | Blade Terminal Plug insulated | 6.3 x 0.8 | 0.5 - 1 | 20 - 18 | Red | 100 |
| **97 99 111** | 076032 | Blade Terminal Plug insulated | 6.3 x 0.8 | 1.5 - 2.5 | 16 - 14 | Blue | 100 |
| **97 99 112** | 076049 | Blade Terminal Plug insulated | 6.3 x 0.8 | 4 - 6 | 12 - 10 | Yellow | 100 |



**97 99 111**

# Round Sockets

## insulated

| Article No. | EAN 4003773- | | Plug Ø mm | Cable mm² | AWG | Colour | |
|---|---|---|---|---|---|---|---|
| **97 99 130** | 076056 | Round Sockets insulated | 4.0 | 0.5 - 1 | 20 - 18 | Red | 100 |
| **97 99 131** | 076063 | Round Sockets insulated | 5.0 | 1.5 - 2.5 | 16 - 14 | Blue | 100 |



**97 99 131**

# Round Pin Plugs

## insulated

| Article No. | EAN 4003773- | | Plug Ø mm | Cable mm² | AWG | Colour | |
|---|---|---|---|---|---|---|---|
| **97 99 150** | 076070 | Round Pin Plug insulated | 4.0 | 0.5 - 1 | 20 - 18 | Red | 100 |
| **97 99 151** | 076087 | Round Pin Plug insulated | 5.0 | 1.5 - 2.5 | 16 - 14 | Blue | 100 |



**97 99 151**

# Cable Connectors, eye type

## insulated

> DIN 46237

| Article No. | EAN 4003773- | | Screws Ø mm | Cable mm² | AWG | Colour | |
|---|---|---|---|---|---|---|---|
| **97 99 170** | 076094 | Cable Connectors, eye type insulated | 3.0 | 0.5 - 1 | 20 - 18 | Red | 200 |
| **97 99 171** | 076100 | Cable Connectors, eye type insulated | 4.0 | 0.5 - 1 | 20 - 18 | | 200 |
| **97 99 172** | 076117 | Cable Connectors, eye type insulated | 5.0 | 0.5 - 1 | 20 - 18 | | 200 |
| **97 99 173** | 076124 | Cable Connectors, eye type insulated | 4.0 | 1.5 - 2.5 | 16 - 14 | Blue | 100 |
| **97 99 174** | 076131 | Cable Connectors, eye type insulated | 5.0 | 1.5 - 2.5 | 16 - 14 | | 100 |
| **97 99 175** | 076148 | Cable Connectors, eye type insulated | 6.0 | 1.5 - 2.5 | 16 - 14 | | 100 |
| **97 99 176** | 076155 | Cable Connectors, eye type insulated | 8.0 | 1.5 - 2.5 | 16 - 14 | | 100 |
| **97 99 177** | 076162 | Cable Connectors, eye type insulated | 5.0 | 4 - 6 | 12 - 10 | Yellow | 100 |
| **97 99 178** | 076179 | Cable Connectors, eye type insulated | 6.0 | 4 - 6 | 12 - 10 | | 100 |
| **97 99 179** | 076186 | Cable Connectors, eye type insulated | 8.0 | 4 - 6 | 12 - 10 | | 100 |
| **97 99 180** | 076193 | Cable Connectors, eye type insulated | 10.0 | 4 - 6 | 12 - 10 | | 100 |



**97 99 170**

# Non-insulated Solderless Terminals

> DIN 46234

| Article No. | EAN 4003773- | | Screws Ø mm | Cable mm² | AWG | |
|---|---|---|---|---|---|---|
| **97 99 210** | 076209 | Non-insulated Solderless Terminals | 3.0 | 0.5 - 1 | 20 - 18 | 200 |
| **97 99 211** | 076216 | Non-insulated Solderless Terminals | 4.0 | 0.5 - 1 | 20 - 18 | 200 |
| **97 99 212** | 076223 | Non-insulated Solderless Terminals | 5.0 | 0.5 - 1 | 20 - 18 | 200 |
| **97 99 213** | 076230 | Non-insulated Solderless Terminals | 4.0 | 1.5 - 2.5 | 16 - 14 | 100 |
| **97 99 214** | 076247 | Non-insulated Solderless Terminals | 5.0 | 1.5 - 2.5 | 16 - 14 | 100 |
| **97 99 215** | 076254 | Non-insulated Solderless Terminals | 6.0 | 1.5 - 2.5 | 16 - 14 | 100 |
| **97 99 216** | 076261 | Non-insulated Solderless Terminals | 8.0 | 1.5 - 2.5 | 16 - 14 | 100 |
| **97 99 217** | 076278 | Non-insulated Solderless Terminals | 5.0 | 4 - 6 | 12 - 10 | 100 |
| **97 99 218** | 076285 | Non-insulated Solderless Terminals | 6.0 | 4 - 6 | 12 - 10 | 100 |
| **97 99 219** | 076292 | Non-insulated Solderless Terminals | 8.0 | 4 - 6 | 12 - 10 | 100 |
| **97 99 220** | 076308 | Non-insulated Solderless Terminals | 10.0 | 4 - 6 | 12 - 10 | 100 |



**97 99 210**

# Heat Shrinkable Butt Connectors

| Article No. | EAN 4003773- | | Cable mm² | AWG | Colour | |
|---|---|---|---|---|---|---|
| **97 99 250** | 076315 | Heat Shrinkable Butt Connectors | 0.75 - 1 | 20 - 18 | Red | 100 |
| **97 99 251** | 076322 | Heat Shrinkable Butt Connectors | 1.5 - 2.5 | 16 - 14 | Blue | 100 |
| **97 99 252** | 076339 | Heat Shrinkable Butt Connectors | 4 - 6 | 12 - 10 | Yellow | 100 |



**97 99 252**

# Butt Connectors, insulated

| Article No. | EAN 4003773- | | Cable mm² | AWG | Colour | |
|---|---|---|---|---|---|---|
| **97 99 270** | 076346 | Butt Connectors, insulated | 0.75 - 1 | 20 - 18 | Red | 100 |
| **97 99 271** | 076353 | Butt Connectors, insulated | 1.5 - 2.5 | 16 - 14 | Blue | 100 |
| **97 99 272** | 076360 | Butt Connectors, insulated | 4 - 6 | 12 - 10 | Yellow | 100 |



**97 99 272**

# Butt Connectors, non-insulated

> DIN 46341-B

| Article No. | EAN 4003773- | | Cable mm² | AWG | |
|---|---|---|---|---|---|
| **97 99 290** | 076377 | Butt Connectors, non-insulated | 0.75 - 1 | 20 - 18 | 200 |
| **97 99 291** | 076384 | Butt Connectors, non-insulated | 1.5 - 2.5 | 16 - 14 | 200 |
| **97 99 292** | 076391 | Butt Connectors, non-insulated | 4 - 6 | 12 - 10 | 100 |
| **97 99 293** | 076407 | Butt Connectors, non-insulated | 10 | 8 | 100 |



**97 99 290**

# Wire ferrules with plastic collar

| Article No. | EAN 4003773 | | ↔ mm | Cable mm² | AWG | Colour | |
|---|---|---|---|---|---|---|---|
| **97 99 330** | 076414 | Wire ferrules with plastic collar | 14.0 | 0.5 | 20 | white | 200 |
| **97 99 331** | 076421 | Wire ferrules with plastic collar | 14.0 | 0.75 | 18 | grey | 200 |
| **97 99 335** | 076469 | Wire ferrules with plastic collar | 17.0 | 4 | 12 | grey | 200 |
| **97 99 332** | 076438 | Wire ferrules with plastic collar | 14.0 | 1 | 18 | Red | 200 |
| **97 99 333** | 076445 | Wire ferrules with plastic collar | 14.0 | 1.5 | 16 | black | 200 |
| **97 99 334** | 076452 | Wire ferrules with plastic collar | 14.0 | 2.5 | 4 | Blue | 200 |
| **97 99 336** | 076476 | Wire ferrules with plastic collar | 20.0 | 6 | 10 | Yellow | 100 |
| **97 99 337** | 076483 | Wire ferrules with plastic collar | 22.0 | 10 | 8 | Red | 100 |
| **97 99 338** | 076490 | Wire ferrules with plastic collar | 24.0 | 16 | 6 | Blue | 100 |
| **97 99 339** | 076506 | Wire ferrules with plastic collar | 30.0 | 25 | 4 | Yellow | 50 |
| **97 99 350** | 076513 | Wire ferrules with plastic collar | 16.0 | 0.5 | 20 | white | 200 |
| **97 99 351** | 076520 | Wire ferrules with plastic collar | 16.0 | 0.75 | 18 | grey | 200 |
| **97 99 352** | 076537 | Wire ferrules with plastic collar | 16.0 | 1 | 17 | Red | 200 |
| **97 99 353** | 076544 | Wire ferrules with plastic collar | 16.0 | 1.5 | 16 | black | 200 |
| **97 99 354** | 076551 | Wire ferrules with plastic collar | 16.0 | 2.5 | 14 | Blue | 200 |
| **97 99 355** | 076568 | Wire ferrules with plastic collar | 20.0 | 4 | 12 | grey | 200 |
| **97 99 356** | 076575 | Wire ferrules with plastic collar | 26.0 | 6 | 10 | Yellow | 100 |
| **97 99 357** | 076582 | Wire ferrules with plastic collar | 28.0 | 10 | 8 | Red | 100 |
| **97 99 358** | 076599 | Wire ferrules with plastic collar | 28.0 | 16 | 6 | Blue | 100 |
| **97 99 359** | 076605 | Wire ferrules with plastic collar | 32.0 | 25 | 4 | Yellow | 50 |



**97 99 353**



**97 99 336**

# Twin wire ferrules

## with plastic collar

| Article No. | EAN 4003773 | | ↔ mm | Cable mm² | AWG | Colour | |
|---|---|---|---|---|---|---|---|
| **97 99 370** | 076612 | Twin wire ferrules with plastic collar | 15.0 | 2 x 0.5 | 2 x 20 | white | 200 |
| **97 99 371** | 076629 | Twin wire ferrules with plastic collar | 16.0 | 2 x 0.75 | 2 x 18 | grey | 200 |
| **97 99 372** | 076636 | Twin wire ferrules with plastic collar | 15.0 | 2 x 1 | 2 x 18 | Red | 200 |
| **97 99 373** | 076643 | Twin wire ferrules with plastic collar | 18.0 | 2 x 1.5 | 2 x 16 | black | 200 |
| **97 99 374** | 076650 | Twin wire ferrules with plastic collar | 18.0 | 2 x 2.5 | 2 x 14 | Blue | 100 |
| **97 99 375** | 076667 | Twin wire ferrules with plastic collar | 23.0 | 2 x 4 | 2 x 12 | grey | 100 |
| **97 99 376** | 076674 | Twin wire ferrules with plastic collar | 26.0 | 2 x 6 | 2 x 10 | Yellow | 50 |
| **97 99 377** | 076681 | Twin wire ferrules with plastic collar | 24.0 | 2 x 10 | 2 x 8 | Red | 50 |
| **97 99 378** | 076698 | Twin wire ferrules with plastic collar | 29.0 | 2 x 16 | 2 x 6 | Blue | 25 |



**97 99 374**

# Non-insulated wire ferrules

> DIN 46228-1

| Article No. | EAN 4003773 | | ↔ mm | Cable mm² | AWG | |
|---|---|---|---|---|---|---|
| **97 99 390** | 076704 | Non-insulated wire ferrules | 6.0 | 0.5 | 20 | 200 |
| **97 99 391** | 076711 | Non-insulated wire ferrules | 6.0 | 0.75 | 18 | 200 |
| **97 99 392** | 076728 | Non-insulated wire ferrules | 6.0 | 1 | 18 | 200 |
| **97 99 393** | 076735 | Non-insulated wire ferrules | 7.0 | 1.5 | 16 | 200 |
| **97 99 394** | 076742 | Non-insulated wire ferrules | 7.0 | 2.5 | 14 | 200 |
| **97 99 395** | 076759 | Non-insulated wire ferrules | 9.0 | 4 | 12 | 200 |
| **97 99 396** | 076766 | Non-insulated wire ferrules | 12.0 | 6 | 10 | 100 |
| **97 99 397** | 076773 | Non-insulated wire ferrules | 12.0 | 10 | 8 | 100 |
| **97 99 398** | 076780 | Non-insulated wire ferrules | 12.0 | 16 | 6 | 100 |
| **97 99 399** | 076797 | Non-insulated wire ferrules | 12.0 | 25 | 4 | 50 |



**97 99 390**

# Assortment Boxes

▸ Practical dispenser box, stackable and reclosable

> Handy, transparent dispenser box
> Rotating lid with opening to remove individual wire ferrules
> Format: Ø 90 mm, height 44 mm



**97 99 905**



**97 99 908**



**97 99 910**

| Article No. | EAN 4003773- | Quantity | Cable mm² | AWG | Length of crimp area | ↔ mm | Colour | Size | ⚖ g |
|---|---|---|---|---|---|---|---|---|---|
| **With insulated wire ferrules, with insulated wire ferrules by DIN colour code** | | | | | | | | | |
| **97 99 905** | 082446 | | | | | | | | 70 |
| | | 30 | 0.25 | 24 | 6.0 | 10.0 | | Ø 90 x 44 | |
| | | 30 | 0.34 | 22 | 6.0 | 10.0 | | Ø 90 x 44 | |
| | | 30 | 0.5 | 20 | 8.0 | 14.0 | white | Ø 90 x 44 | |
| | | 30 | 0.75 | 18 | 8.0 | 14.0 | grey | Ø 90 x 44 | |
| | | 30 | 1 | 18 | 8.0 | 14.0 | red | Ø 90 x 44 | |
| **97 99 906** | 082453 | | | | | | | | 95 |
| | | 50 | 0.5 | 20 | 8.0 | 14.0 | white | Ø 90 x 44 | |
| | | 100 | 0.75 | 18 | 8.0 | 14.0 | grey | Ø 90 x 44 | |
| | | 100 | 1 | 18 | 8.0 | 14.0 | red | Ø 90 x 44 | |
| | | 100 | 1.5 | 16 | 8.0 | 14.0 | black | Ø 90 x 44 | |
| | | 50 | 2.5 | 14 | 8.0 | 14.0 | blue | Ø 90 x 44 | |
| **97 99 907** | 082460 | | | | | | | | 90 |
| | | 50 | 4 | 12 | 10.0 | 17.0 | grey | Ø 90 x 44 | |
| | | 20 | 6 | 10 | 12.0 | 20.0 | yellow | Ø 90 x 44 | |
| | | 20 | 10 | 8 | 12.0 | 22.0 | red | Ø 90 x 44 | |
| | | 10 | 16 | 6 | 12.0 | 24.0 | blue | Ø 90 x 44 | |
| **With Twin wire ferrules, with insulated wire ferrules by DIN colour code** | | | | | | | | | |
| **97 99 908** | 082477 | | | | | | | | 95 |
| | | 50 | 2 x 0.75 | 2 x 18 | 8.0 | 16.0 | grey | Ø 90 x 44 | |
| | | 50 | 2 x 1 | 2 x 18 | 8.0 | 15.0 | red | Ø 90 x 44 | |
| | | 50 | 2 x 1.5 | 2 x 16 | 10.0 | 18.0 | black | Ø 90 x 44 | |
| | | 50 | 2 x 2.5 | 2 x 14 | 9.0 | 18.0 | blue | Ø 90 x 44 | |
| **97 99 909** | 082484 | | | | | | | | 85 |
| | | 20 | 4 | 2 x 12 | 12.0 | 23.0 | grey | Ø 90 x 44 | |
| | | 10 | 2 x 6 | 2 x 10 | 12.0 | 24.0 | yellow | Ø 90 x 44 | |
| | | 10 | 2 x 10 | 2 x 8 | 12.0 | 24.0 | red | Ø 90 x 44 | |
| | | 5 | 2 x 16 | 2 x 6 | 16.0 | 29.0 | blue | Ø 90 x 44 | |
| **With non-insulated wire ferrules, rotating lid with opening to remove individual wire ferrules** | | | | | | | | | |
| **97 99 910** | 082491 | | | | | | | | 145 |
| | | 500 | 0.5 | 20 | | 6.0 | | Ø 90 x 44 | |
| | | 500 | 0.75 | 18 | | 6.0 | | Ø 90 x 44 | |
| | | 400 | 1 | 18 | | 6.0 | | Ø 90 x 44 | |
| | | 300 | 1.5 | 16 | | 7.0 | | Ø 90 x 44 | |
| | | 200 | 2.5 | 14 | | 7.0 | | Ø 90 x 44 | |
| **97 99 911** | 082507 | | | | | | | | 140 |
| | | 150 | 4 | 12 | | 9.0 | | Ø 90 x 44 | |
| | | 75 | 6 | 10 | | 12.0 | | Ø 90 x 44 | |
| | | 75 | 10 | 8 | | 12.0 | | Ø 90 x 44 | |
| | | 50 | 16 | 6 | | 12.0 | | Ø 90 x 44 | |

# F-compression connector

> Suitable for coax cable with outer diameter of 7 mm and dielectric from 4.7 mm diameter (all standard coax cable with Ø 1.1 mm inner conductor)
> Nitin-6™ coating ensures excellent protection against environmental influences
> Waterproof (8 h /at a depth of 30 m), ideal for connection to LNB and external antennae
> Suitable for KNIPEX 97 40 20 compression tool
> 10 Cablecon F-compression connectors in a blister pack



**97 99 500**

| Article No. | EAN 4003773- | |
|---|---|---|
| **97 99 500** | 082378 | 10 |

# Insulated Tools



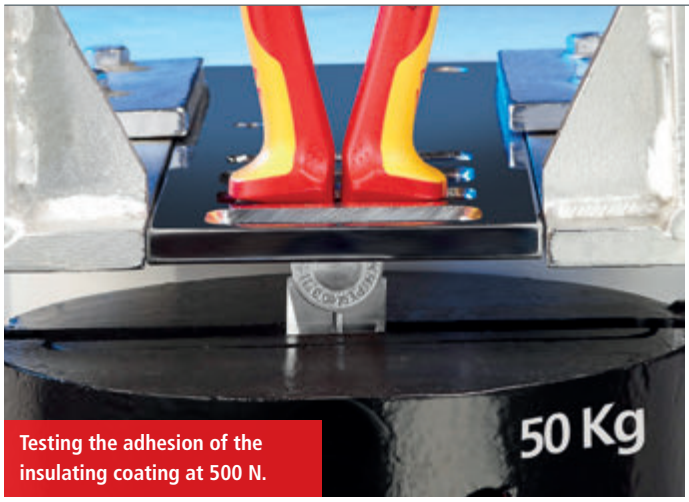
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Testing dielectric strength, subjecting each pair of pliers to a load of 10,000 V AC.

# 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 1000 V 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 Vanadium

> For heavy 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
> DIN ISO 5746, DIN EN 60900, IEC 60900




**01 06 160**

| Article No. | EAN 4003773 | ↔ mm | | Pliers | Head | Handles | Cutting capacities Ø mm | Ø mm | Ø mm | mm² | g |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **01 06 160** | 040729 | 160 | 1000 V | chrome plated | chrome plated | insulated with multi-component grips, VDE-tested | 2.0 | 1.5 | 10.0 | 16 | 220 |
| **01 06 190** | 040415 | 190 | | | | | 2.5 | 2.0 | 13.0 | 25 | 320 |

# High Leverage Combination Pliers

- 35 % less effort required than with conventional combination pliers
- With cutting edges (hardness approx. 63 HRC) for heavy duty

> Easier work due to optimised leverage
> Easier cutting, powerful gripping, bending and pulling
> Long cutting edges for thicker cables
> With gripping zones for flat and round material, suitable for versatile use
> Cutter head: special high-grade tool steel, forged, oil-hardened
> DIN ISO 5746, DIN EN 60900, IEC 60900




**02 06 180**




**02 07 225**

| Article No. | EAN 4003773 | ↔ mm | | Pliers | Head | Handles | Cutting capacities Ø mm | Ø mm | Ø mm | mm² | g |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **02 06 180** | 010012 | 180 | 1000 V | chrome plated | 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 | 425 |
| **02 07 200** | 022299 | 200 | 1000 V | chrome plated | 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

> 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
> DIN ISO 5746, DIN EN 60900, IEC 60900

**03 06 180 T***
> Pliers with tether attachment point for mounting a fall protection




**03 06 180**




**03 06 180 T**




**03 07 200**





| Article No. | EAN 4003773 | ↔ mm | | Pliers | Head | Handles | Cutting capacities Ø mm | Ø mm | Ø mm | mm² | g |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **03 06 160** | 021902 | 160 | 1000 V | chrome plated | 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 | 355 |
| **03 06 180 T** | 081395 | 180 | 1000 V | chrome plated | chrome plated | insulated with multi-component grips with integrated insulated tether attachment point, VDE tested | 3.4 | 2.2 | 12.0 | 16 | 270 |
| **03 07 160** | 015307 | 160 | 1000 V | chrome plated | 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 |




*Other tools with tethering can be found from page 272

# Needle-Nose Combination Pliers

## 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
> Forged from special high grade tool steel, manifold oil-hardened
> DIN ISO 5746, DIN EN 60900, IEC 60900

**08 26 145 T***
> Pliers with tether attachment point for mounting a fall protection



**08 26 145**



**08 26 145 T**

| Article No. | EAN 4003773 | ↔ mm | | Pliers | Head | Handles | Cutting capacities Ø mm | Ø mm | Ø mm | mm² | g |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **08 26 145** | 079361 | 145 | 1000 V | chrome plated | chrome plated | insulated with multi-component grips, VDE-tested | 3.0 | 2.0 | 8.0 | 16 | 145 |
| **08 26 145 T** | 081401 | 145 | 1000 V | chrome plated | chrome plated | insulated with multi-component grips with integrated insulated tether attachment point, VDE tested | 3.0 | 2.0 | 8.0 | 16 | 155 |

# Insulation Strippers

## universal

> For single, multiple and fine stranded conductors with plastic or rubber insulation up to 5.0 mm dia. or 10 mm² 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
> DIN EN 60900, IEC 60900

**11 06 160 T***
> Pliers with tether attachment point for mounting a fall protection



**11 06 160**



**11 07 160**

| Article No. | EAN 4003773- | ↔ mm | | Pliers | Head | Handles | Stripping capacities Ø mm | mm² | AWG | g |
|---|---|---|---|---|---|---|---|---|---|---|
| **11 06 160** | 021933 | 160 | 1000 V | chrome plated | chrome plated | insulated with multi-component grips, VDE-tested | 5.0 | 10 | 8 | 200 |
| **11 06 160 T** | 081418 | 160 | 1000 V | chrome plated | chrome plated | insulated with multi-component grips with integrated insulated tether attachment point, VDE tested | 5.0 | 10 | 8 | 180 |
| **11 07 160** | 015499 | 160 | 1000 V | chrome plated | chrome plated | with dipped insulation, VDE-tested | 5.0 | 10 | 8 | 180 |
| **11 17 160** | 015505 | 160 | 1000 V | chrome plated | chrome plated | with dipped insulation, VDE-tested | 5.0 | 10 | 8 | 181 |
| **11 09 01** | 052326 | Set of spare parts (screw and nut) for 11 160 | | | | | | | | |



*Other tools with tethering can be found from page 272

# KNIPEX StriX®

PATENTED

## Insulation strippers with Cable Shears – two essential electrical installation tools in one pair of pliers

> Integrated Cable Shears for the clean cutting of Cu and Al cables without crushing
> Universal adjustment of the wire stripping blades by means of a knurled screw
> Slim design for good accessibility
> For stripping single, multiple and fine stranded conductors with plastic and rubber insulation up to a max. Ø 5 mm or resp. 10 mm² conductor cross-section
> Graduated jaw provides a visual orientation aid when stripping wire in standard lengths (11 mm and 16 mm)
> Special high grade tool steel that has been oil-hardened in multiple stages

**13 66 180 T***
> Pliers with tether attachment point for mounting a fall protection



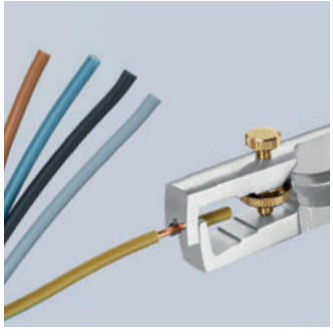

**13 66 180**




**13 66 180 T**



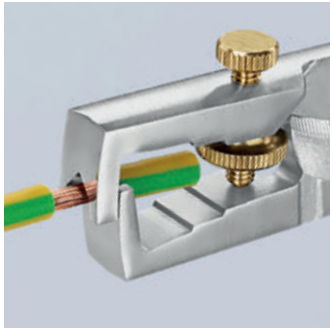
Induction hardened precision blade



Length marking: visual markings provide support during repeated stripping of wire in standard lengths (11 and 16 mm)



Induction hardened shear blade with precisely ground cutting edges for crushing-free cutting of copper cables up to Ø 15 mm (5 x 2.5 mm2)



Lock nut prevents any unintentional adjustment



| Article No. | EAN 4003773- | ↔ mm | Pliers | Head | Handles | Cutting capacities Ø mm | Cutting capacities mm² | Stripping capacities Ø mm | Stripping capacities mm² | g |
|---|---|---|---|---|---|---|---|---|---|---|
| **13 62 180** | 081302 | 180 | black atramentized | polished | with multi-component grips | 15 | 50 | 5.0 | 10 | 210 |
| **13 66 180** | 081319 | 180 | chrome plated | | insulated with multi-component grips, VDE-tested | 15 | 50 | 5.0 | 10 | 210 |


1.5
2.5
KNIPEX 13 4 165
GERMANY
1000V

# Stripping Pliers

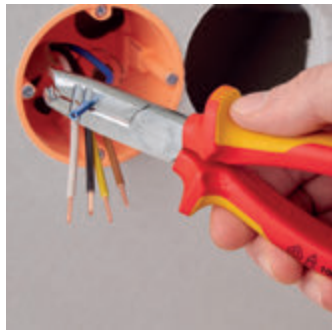
## Multifunctional – cutting and stripping with one pair of pliers

- For time-saving stripping of all round sheathed and damp-proof installation cables (e.g. NYM cable)
- Simplified access especially into deep mounted junction boxes thanks to slim head design and optimally angled cable sheath cutter
- Strip cables easily and without damage thanks to circular cutting edge with depth limiter

> Suitable for universal use: precision wire stripping holes for conductors from 1.5 and 2.5 mm²
> With side 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 electric steel, forged, multi stage oil-hardened
> DIN EN 60900, IEC 60900




13 46 165









| Article No. | EAN 4003773- | ↔ mm | | Pliers | Head | Handles | Cable stripping values Ø mm | Stripping capacities mm² | ◑ Ø mm | ◕ Ø mm | ⚖ g |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **13 46 165** | 079699 | 165 | 1000 V | chrome plated | chrome plated | insulated with multi-component grips, VDE-tested | 8.0 - 13.0 | 0.75 - 1.5 / 2.5 | 3.2 | 2.2 | 190 |

# Diagonal Insulation Strippers

- With long cutter
- High cutting capacity due to high leverage joint

> Precision stripping holes for single conductors of 1.5 and 2.5 mm²
> Convenient cutting of NYM cables up to 5 x 2.5 mm²
> Long tips for ultra fine cutting work also in confined areas
> Induction-hardened precision blades, cutting edge hardness approx. 60 HRC
> Vanadium electric steel, forged, multi stage oil-hardened
> DIN EN 60900, IEC 60900




14 26 160





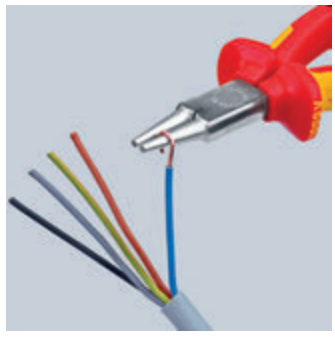
| Article No. | EAN 4003773- | ↔ mm | | Pliers | Head | Handles | Stripping capacities mm² | AWG | Cutting capacities ◔ Ø mm | Cutting capacities ◑ Ø mm | ⚖ g |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **14 26 160** | 040279 | 160 | 1000 V | chrome plated | chrome plated | insulated with multi-component grips, VDE-tested | 1.5 / 2.5 | 16 / 14 | 2.5 | 1.5 | 216 |

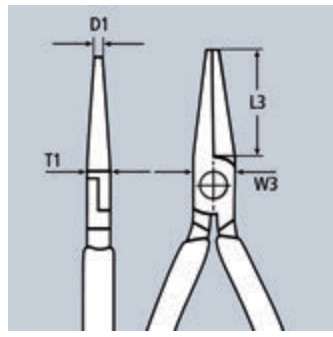
# Round Nose Pliers

> For bending wire loops
> Round, short jaws; finely ground
> Smooth tips
> Special tool steel, forged, oil-hardened
> DIN ISO 5745, DIN EN 60900, IEC 60900




22 06 160






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

# Pliers for Electrical Installation

## The all-rounder for professionals

- 6 functions in one pair of pliers
- Multifunctional pliers for the electrical installation; to grip flat and round material, for bending, deburring, cutting cable, stripping and crimping wire ferrules

> 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 mm² and 2.5 mm²
> Crimping die for wire ferrules 0.5 - 2.5 mm²
> Cable shears with (induction-hardened) precision cutting edges for copper and aluminium cables up to 5 x 2.5 mm² / 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
> DIN EN 60900, IEC 60900

**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

**13 96 200 T***
> Pliers with tether attachment point for mounting a fall protection

PATENTED




13 86 200




13 96 200




13 96 200 T



| Article No. | EAN 4003773- | ↔ mm | | Pliers | Head | Handles | Cutting capacities Ø mm | Cutting capacities mm² | Stripping capacity for cross-sections mm² | Crimping capacities mm² | ⚖ g |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **13 86 200** | 075097 | 200 | 1000 V | chrome plated | chrome plated | insulated with multi-component grips, VDE-tested | 15.0 | 50 | 0.75 - 1.5 / 2.5 | 0.5 - 2.5 | 280 |
| **13 96 200** | 075110 | 200 | 1000 V | chrome plated | chrome plated | insulated with multi-component grips, VDE-tested | 15.0 | 50 | 0.75 - 1.5 / 2.5 | 0.5 - 2.5 | 280 |
| **13 96 200 T** | 081425 | 200 | 1000 V | chrome plated | chrome plated | insulated with multi-component grips with integrated insulated tether attachment point, VDE tested | 15.0 | 50 | 0.75 - 1.5 / 2.5 | 0.5 - 2.5 | 275 |



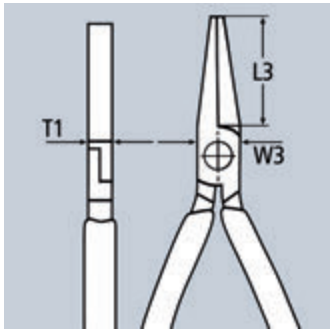
*Other tools with tethering can be found from page 272

# Flat Nose Pliers

> Flat, short, wide jaws
> Knurled gripping surfaces
> Special tool steel, forged, oil-hardened
> DIN ISO 5745, DIN EN 60900, IEC 60900




20 06 160




| Article No. | EAN 4003773- | ↔ mm | | Pliers | Head | Handles | Dimensions L3 mm | W3 mm | T1 mm | ⚖ g |
|---|---|---|---|---|---|---|---|---|---|---|
| **20 06 160** | 033783 | 160 | 1000 V | chrome plated | chrome plated | insulated with multi-component grips, VDE-tested | 30.0 | 17.0 | 9.5 | 176 |

# Snipe Nose Side Cutting Pliers

## Radio Pliers

> Suitable for finer gripping and cutting work
> Half-round, long, tapered jaws
> Knurled gripping surfaces
> With cutting edges for soft, medium-hard and hard wire
> Cutting edges additionally induction-hardened, cutting edge hardness approx. 61 HRC
> Vanadium electric steel, forged, multi stage oil-hardened
> DIN ISO 5745, DIN EN 60900, IEC 60900




25 06 160




25 26 160





| Article No. | EAN 4003773- | ↔ mm | | Pliers | Head | Handles | Cutting capacities ◑ Ø mm | ◕ Ø mm | ⚖ g |
|---|---|---|---|---|---|---|---|---|---|
| **25 06 160** | 033806 | 160 | 1000 V | chrome plated | chrome plated | insulated with multi-component grips, VDE-tested | 2.5 | 1.6 | 146 |
| **25 06 160 T** | 081432 | 160 | 1000 V | chrome plated | chrome plated | insulated with multi-component grips, VDE-tested, with integrated insulated tether attachment point for a tool tether | 2.5 | 1.6 | 155 |
| **25 26 160** | 052111 | 160 | 1000 V 40° | chrome plated | chrome plated | insulated with multi-component grips, VDE-tested | 2.5 | 1.6 | 144 |

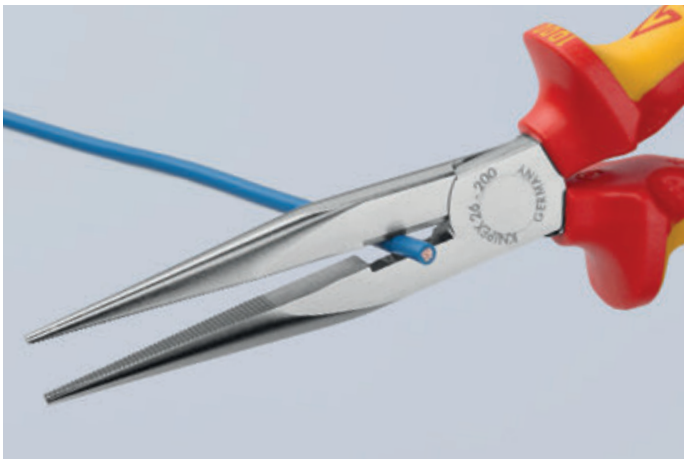
# Snipe Nose Side Cutting Pliers

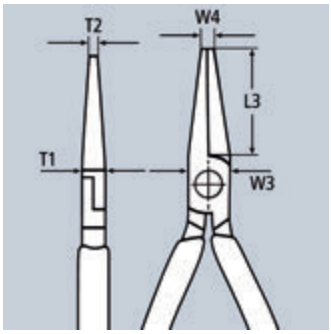
## Stork Beak Pliers

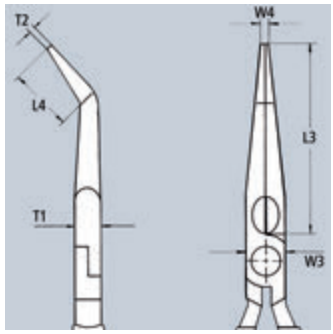
▸ Elastic tips: dimensionally stable even when twisted

> Distortion-tolerant, elastic precision tips
> Half-round, long, tapered jaws
> With cutting edges (hardness approx. 61 HRC) for soft, medium-hard and hard wire
> Vanadium electric steel, forged, multi stage oil-hardened
> DIN ISO 5745, DIN EN 60900, IEC 60900

**26 16 200 T / 26 26 200 T***
> Pliers with tether attachment point for mounting a fall protection







26 16 200


26 16 200 T


26 17 200


26 26 200


26 26 200 T


26 27 200

| Article No. | EAN 4003773- | ↔ mm | | Pliers | Head | Handles | Cutting capacities Ø mm | Cutting capacities Ø mm | Dimensions L3 mm | L4 mm | W3 mm | T1 mm | W4 mm | T2 mm | ⚖ g |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **26 16 200** | 022831 | 200 | 1000 V | chrome plated | chrome plated | insulated with multi-component grips, VDE-tested | 3.2 | 2.2 | 73.0 | | 18.0 | 9.5 | 3.0 | 2.5 | 206 |
| **26 16 200 T** | 081449 | 200 | 1000 V | chrome plated | chrome plated | insulated with multi-component grips with integrated insulated tether attachment point, VDE tested | 3.2 | 2.2 | 73.0 | | 18.0 | 9.5 | 3.0 | 2.5 | 215 |
| **26 17 200** | 016069 | 200 | 1000 V | chrome plated | chrome plated | with dipped insulation, VDE-tested | 3.2 | 2.2 | 73.0 | | 18.0 | 9.5 | 3.0 | 2.5 | 212 |
| **26 26 200** | 022855 | 200 | 1000 V ∡40° | chrome plated | chrome plated | insulated with multi-component grips, VDE-tested | 3.2 | 2.2 | 73.0 | 23.0 | 18.0 | 9.5 | 3.0 | 2.5 | 204 |
| **26 26 200 T** | 081456 | 200 | 1000 V ∡40° | chrome plated | chrome plated | with multi-component grips and integrated tether attachment point | 3.2 | 2.2 | 73.0 | 23.0 | 18.0 | 9.5 | 3.0 | 2.5 | 215 |
| **26 27 200** | 016090 | 200 | 1000 V ∡40° | chrome plated | chrome plated | with dipped insulation, VDE-tested | 3.2 | 2.2 | 73.0 | 23.0 | 18.0 | 9.5 | 3.0 | 2.5 | 220 |



*Other tools with tethering can be found from page 272

# Long Nose Pliers

> Heavy duty and wear resisting
> Different jaw styles
> Chrome vanadium electric steel, forged, oil-hardened
> DIN ISO 5745, DIN EN 60900, IEC 60900

**Style 1**
> Long, trapezoidal jaws; knurled gripping surfaces

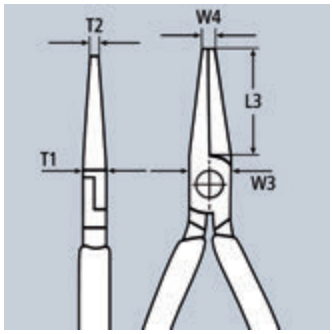
**Style 3**
> Long, round jaws; smooth gripping surfaces




**30 16 160**




**30 36 160**



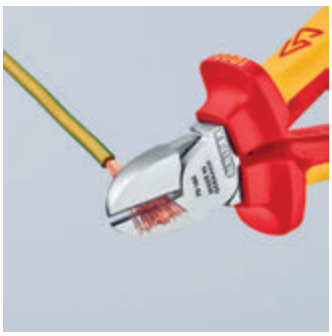

| Article No. | EAN 4003773- | ↔ mm | | Style | Pliers | Head | Handles | Dimensions L3 mm | W3 mm | T1 mm | W4 mm | T2 mm | ⚖ g |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **30 16 160** | 001904 | 160 | 1000 V | 1 | chrome plated | chrome plated | insulated with multi-component grips, VDE-tested | 46.5 | 16.5 | 9.5 | 3.0 | 5.0 | 150 |
| **30 36 160** | 002123 | 160 | 1000 V | 3 | chrome plated | chrome plated | insulated with multi-component grips, VDE-tested | 41.0 | 16.5 | 9.5 | 5.0 | 2.5 | 141 |

# Diagonal Cutters

> 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 electric steel, forged, multi stage oil-hardened
> DIN ISO 5749, DIN EN 60900, IEC 60900

**70 06 160 T / 70 06 180 T***
> Pliers with tether attachment point for mounting a fall protection






Clean cutting of thin copper wires, also at the cutting edge tips




**70 06 160**




**70 06 160 T**




**70 06 180**




**70 07 180**




**70 26 160**

| Article No. | EAN 4003773- | ↔ mm | | Pliers | Head | Handles | Cutting capacities ◔ Ø mm | ◑ Ø mm | ◕ Ø mm | ⚖ g |
|---|---|---|---|---|---|---|---|---|---|---|
| **70 06 125** | 018124 | 125 | 1000 V | chrome plated | chrome plated | insulated with multi-component grips, VDE-tested | 3.0 | 2.3 | 1.5 | 121 |
| **70 06 140** | 040293 | 140 | 1000 V | chrome plated | chrome plated | insulated with multi-component grips, VDE-tested | 4.0 | 2.5 | 1.8 | 160 |
| **70 06 160** | 021995 | 160 | 1000 V | chrome plated | chrome plated | insulated with multi-component grips, VDE-tested | 4.0 | 3.0 | 2.0 | 216 |
| **70 06 160 T** | 081463 | 160 | 1000 V | chrome plated | chrome plated | insulated with multi-component grips with integrated insulated tether attachment point, VDE tested | 4.0 | 3.0 | 2.0 | 230 |
| **70 06 180** | 033813 | 180 | 1000 V | chrome plated | chrome plated | insulated with multi-component grips, VDE-tested | 4.0 | 3.0 | 2.5 | 254 |
| **70 06 180 T** | 081470 | 180 | 1000 V | chrome plated | chrome plated | insulated with multi-component grips with integrated insulated tether attachment point, VDE tested | 4.0 | 3.0 | 2.5 | 270 |
| **70 07 160** | 018155 | 160 | 1000 V | chrome plated | chrome plated | with dipped insulation, VDE-tested | 4.0 | 3.0 | 2.0 | 227 |
| **70 07 180** | 018179 | 180 | 1000 V | chrome plated | chrome plated | with dipped insulation, VDE-tested | 4.0 | 3.0 | 2.5 | 269 |
| **70 26 160** | 018223 | 160 | 1000 V | chrome plated | chrome plated | insulated with multi-component grips, VDE-tested | 4.0 | | | 216 |



*Other tools with tethering can be found from page 272

# KNIPEX X-Cut®

PATENTED

## Compact Diagonal Cutters

## high lever transmission

- Cuts finest strands as well as multi-core cables and piano wires
- Powerful, light and universal

> High cutting performance with minimum effort due to optimum co-ordination of the cutting edge angle and transmission ratio
> Box-joint design: highest stability with low weight
> Doubly supported joint axis for heavy duty
> 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
> 40 % less force required compared with standard diagonal cutters of the same length
> Chrome vanadium heavy-duty steel, forged, multi stage oil-hardened
> DIN ISO 5749, DIN EN 60900, IEC 60900

**73 06 160 T***
> Pliers with tether attachment point for mounting a fall protection




73 06 160




73 06 160 T

**40 % less effort**
required compared to diagonal cutters of the same length. With double mounted hinged joint.

| Article No. | EAN 4003773- | ↔ mm | | Pliers | Head | Handles | Cutting capacities ◔ Ø mm | ◑ Ø mm | ◕ Ø mm | ● Ø mm | ✿ Ø mm | ⚖ g |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **73 06 160** | 075141 | 160 | 1000 V | chrome plated | chrome plated | insulated with multi-component grips, VDE-tested | 4.8 | 3.8 | 2.7 | 2.2 | 12.0 | 175 |
| **73 06 160 T** | 081487 | 160 | 1000 V | chrome plated | chrome plated | insulated with multi-component grips with integrated insulated tether attachment point, VDE tested | 4.8 | 3.8 | 2.7 | 2.2 | 12.0 | 185 |

# High Leverage Diagonal Cutters

> For very tough, continuous use
> 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), for all sorts of wire including piano wire
> Chrome vanadium heavy-duty steel, forged, multi stage oil-hardened
> DIN ISO 5749, DIN EN 60900, IEC 60900

**74 06 250 T***
> Pliers with tether attachment point for mounting a fall protection

**20 % less effort**
Required compared to high-leverage diagonal cutters of the same length. With integrated forged joint axle.




74 06 200




74 06 200 T

| Article No. | EAN 4003773- | ↔ mm | | Pliers | Head | Handles | Cutting capacities ◑ Ø mm | ◕ Ø mm | ● Ø mm | ⚖ g |
|---|---|---|---|---|---|---|---|---|---|---|
| **74 06 160** | 040705 | 160 | 1000 V | chrome plated | chrome plated | insulated with multi-component grips, VDE-tested | 3.4 | 2.5 | 2.0 | 215 |
| **74 06 180** | 022985 | 180 | | | | | 3.8 | 2.7 | 2.2 | 280 |
| **74 06 200** | 033820 | 200 | | | | | 4.2 | 3.0 | 2.5 | 304 |
| **74 06 250** | 041955 | 250 | | | | | 4.6 | 3.5 | 3.0 | 453 |
| **74 06 200 T** | 081494 | 200 | 1000 V | chrome plated | chrome plated | insulated with multi-component grips with integrated insulated tether attachment point, VDE tested | 4.2 | 3.0 | 2.5 | 305 |
| **74 06 250 T** | 081500 | 250 | | | | | 4.6 | 3.5 | 3.0 | 465 |
| **74 07 200** | 018414 | 200 | 1000 V | chrome plated | chrome plated | with dipped insulation, VDE-tested | 4.2 | 3.0 | 2.5 | 328 |
| **74 07 250** | 018421 | 250 | | | | | 4.6 | 3.5 | 3.0 | 510 |

# Pliers Wrenches

## Pliers and a wrench in a single tool

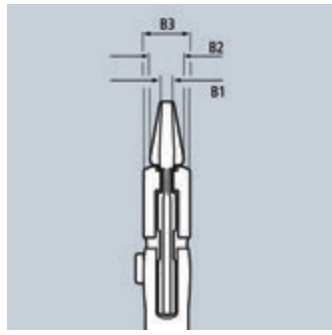
- Replaces the need for sets of metric and imperial spanners
- Smooth jaws for damage free installation of plated fittings – working directly on chrome!
- Practical adjustment scale: A laser-cut (metric and imperial) enables pre-setting to the width across flats



86 06 250

> Also excellent for gripping, holding, pressing and bending workpieces
> Zero backlash jaw pressure prevents damage to edges of sensitive components
> Fast adjustment by pushing a button directly on the workpiece
> No unintentional shift of the gripping jaws and no slipping of the joint
> Parallel jaws give a more solid grip; its design allows flexible adjustment of all widths up to the specified maximum size
> The ratchet type principle allows quick and easy tightening and release of all bolted connections
> Lever transmission greater than 10 : 1 for strong gripping power
> Chrome vanadium electric steel, forged, oil-hardened
> DIN EN 60900, IEC 60900






| Article No. | EAN 4003773- | ↔ mm | | Pliers | Handles | ⬡ Inch | ⬡ mm | Adjustment positions | Dimensions B1 mm | B2 mm | B3 mm | ⚖ g |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **86 06 250** | 082408 | 250 | 1000 V | chrome plated | insulated with multi-component grips, VDE-tested | 2 | 52.0 | 19 | 8.0 | 8.0 | 14.0 | 525 |

# KNIPEX Alligator®

## Water Pump Pliers

- Good access to the workpiece due to slim size of head and joint area
- More output and comfort compared to conventional water pump pliers of the same length: 9-notch adjustment positioning for 30 % more gripping capacity



88 06 250



88 07 250

> 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: high wear resistance and stable gripping
> Box-joint design for high stability due to double guide
> Robust construction, insensitive to dirt; particularly suitable for outdoor work
> Pinch guard prevents operators' fingers being pinched
> Chrome vanadium electric steel, forged, multi stage oil-hardened
> DIN ISO 8976, DIN EN 60900, IEC 60900





| Article No. | EAN 4003773- | ↔ mm | | Pliers | Head | Handles | ○ Ø Inch | ○ Ø mm | ⬡ mm | Adjustment positions | ⚖ g |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **88 06 250** | 039303 | 250 | 1000 V | chrome plated | chrome plated | insulated with multi-component grips, VDE-tested | 2 | 50.0 | 46.0 | 9 | 374 |
| **88 07 250** | 019343 | 250 | 1000 V | chrome plated | chrome plated | with dipped insulation, VDE-tested | 2 | 50.0 | 46.0 | 9 | 420 |
| **88 07 300** | 022350 | 300 | | | | | 2 3/4 | 70.0 | 60.0 | 9 | 661 |

# KNIPEX Cobra® VDE

## Hightech Water Pump Pliers, insulated

> Adjustment by shifting one jaw directly on to the workpiece: fast, reliable and comfortable handling
> Fine adjustment: allows optimum adjustment to differently sized workpieces and comfortable handle position
> Good access to the workpiece due to slim size of 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: high wear resistance and stable gripping
> Box-joint design for high stability due to double guide
> Pinch guard prevents operators' fingers being pinched
> Chrome vanadium electric steel, forged, multi stage oil-hardened
> DIN ISO 8976, DIN EN 60900, IEC 60900

**87 26 250 T***
> Pliers with tether attachment point for mounting a fall protection



**87 26 250**



**87 26 250 T**

The adjustment action 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 to close, done!





Quick setting without using a push-button







Just push the pliers handle to adjust!

| Article No. | EAN 4003773- | ↔ mm | | Pliers | Head | Handles | Ø Inch | Ø mm | mm | Adjustment positions | g |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **87 26 250** | 071495 | 250 | 1000 V | chrome plated | chrome plated | insulated with multi-component grips, VDE-tested | 2 | 50.0 | 46.0 | 24 | 340 |
| **87 26 250 T** | 081517 | 250 | 1000 V | chrome plated | chrome plated | insulated with multi-component grips, VDE-tested with integrated insulated tether attachment point for a tool tether | 2 | 50.0 | 46.0 | 24 | 400 |
| **87 29 01** | 079002 | range of spare parts for 87 2x-250 | | | | | | | | | |

*Other tools with tethering can be found from page 272

# Universal Tweezers, insulated

## DIN EN 60900, IEC 60900, tested protection against electrical voltage up to 1000 V

> With insulated handles for working on electrical installations: safety up to 1000 V
> For a wide range of requirements and applications in the electronics industry
> Individually tested in accordance with 1000 V EN 60900 / IEC 60900 / VDE and approved for work with voltage up to 1000 Volts
> The insulation is REACH-compliant and free from phthalates that are harmful to health
> Antimagnetic to avoid electromagnetic damage
> High quality stainless steel: extremely tough and very good corrosion resistance against a variety of atmospheric environments and many corrosive materials
> Also available as a set (92 00 04)
> Stainless steel




92 27 61




92 27 62



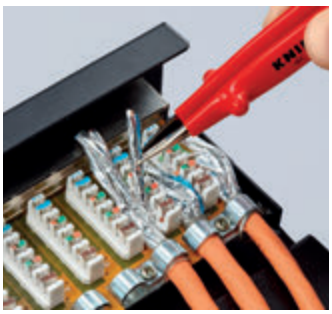

92 37 64

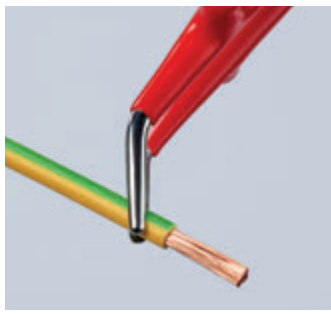



92 47 01




92 67 63





| Article No. | EAN 4003773- | L x B x H mm | | Handles | Finish | Tweezers tip version | Tips width A x B mm | g |
|---|---|---|---|---|---|---|---|---|
| **92 27 61** | 054757 | 125 x 11 x 35 | 1000 V | smooth | straight | pointed | 0,5 x 0,5 | 21 |
| **92 27 62** | 054764 | 150 x 8 x 40 | 1000 V | smooth | straight | pointed | 1,0 x 1,3 | 22 |
| **92 37 64** | 054856 | 148 x 14 x 40 | 1000 V | smooth | 30° bent | blunt | 1,0 x 1,3 | 22 |
| **92 47 01** | 086963 | 142 x 16 x 38 | 1000 V | smooth | 30° bent | blunt | 1,3 x 3,0 | 29 |
| **92 67 63** | 054931 | 145 x 11 x 38 | 1000 V | smooth | straight | blunt | 1,3 x 3,0 | 29 |

# Cable Shears

## handles extrusion plastic-coated

> Not suitable for steel wire and hard drawn copper conductors
> Precision-ground, hardened blades
> No crushing, slight deformation of the cable only
> Adjustable bolted joint
> Shears body: surgical steel, stainless, vacuum-hardened
> Handles: plastic, impact-proof
> DIN EN 60900, IEC 60900




95 06 230

| Article No. | EAN 4003773- | ↔ mm | | Head | Handles | Cutting capacities Ø mm | Cutting capacities mm² | AWG | g |
|---|---|---|---|---|---|---|---|---|---|
| **95 06 230** | 006305 | 230 | 1000 V | polished | plastic insulated, VDE-tested | 16.0 | 50 | 1 / 0 | 274 |

# Cable Shears

> For cutting copper and aluminium single conductors as well as multiple stranded cables
> Clean and smooth cut without crushing and deformation
> Not suitable for steel wire and hard drawn copper conductors
> Precision-ground, hardened blades
> Easy cutting with one-hand operation
> With guard
> Adjustable bolted joint, self-retaining screw
> High-grade special tool steel, forged, oil-hardened
> DIN EN 60900, IEC 60900

**95 16 165 T***
> Pliers with tether attachment point for mounting a fall protection




**95 16 165**




**95 26 165**



Cutting a cable with a conventional wire cutter. High force is required, and the cable is squeezed and deformed.



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




95 26 165: Catch locks shears to the opening spring inside



| Article No. | EAN 4003773- | ↔ mm | | Tool | Handles | Cutting capacities Ø mm | Cutting capacities mm² | AWG | g |
|---|---|---|---|---|---|---|---|---|---|
| **95 16 165** | 039648 | 165 | 1000 V | chrome plated | insulated with multi-component grips, VDE-tested | 15.0 | 50 | 1 / 0 | 262 |
| **95 16 165 T** | 081524 | 165 | 1000 V | chrome plated | insulated with multi-component grips with integrated insulated tether attachment point, VDE tested | 15.0 | 50 | 1 / 0 | 260 |
| **95 26 165** | 069980 | 165 | 1000 V | chrome plated | insulated with multi-component grips, VDE-tested | 15.0 | 50 | 1 / 0 | 275 |

# Cable Shears

## with twin cutting edge

> 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
> Adjustable bolted joint, self-retaining screw
> Low handforce required due to favourable lever ratio and special blade geometry
> Pinch guard prevents operators' fingers being pinched
> By dividing the cutting actions into initial cut (insulating sheath in the front cutting area) and final cut (conductor in the back cutting area), cables up to Ø 20 mm can be cut in one-hand operation
> High-grade special tool steel, forged, oil-hardened
> DIN EN 60900, IEC 60900




**95 16 200**



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.

| Article No. | EAN 4003773- | ↔ mm | | Tool | Handles | Cutting capacities Ø mm | Cutting capacities mm² | AWG | g |
|---|---|---|---|---|---|---|---|---|---|
| **95 16 200** | 026761 | 200 | 1000 V PATENTED | chrome plated | insulated with multi-component grips, VDE-tested | 20.0 | 70 | 2 / 0 | 340 |
| **95 17 200** | 026952 | 200 | 1000 V PATENTED | chrome plated | with dipped insulation, VDE-tested | 20.0 | 70 | 2 / 0 | 360 |

*Other tools with tethering can be found from page 272

# Cable Shears

## for two-handed use, short construction

- Short design, length only 500 mm
- Low weigth, high leverage

> 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
> Low handforce required due to favourable lever ratio and special blade geometry
> Pinch guard prevents operators' fingers being pinched
> Adjustable bolted joint
> Cutter head: vanadium electric steel, forged, oil-hardened
> Handles: aluminium tube, high-strength
> DIN EN 60900, IEC 60900



**95 17 500**



Large cutting capacity:
max. 27 mm dia. / 150 mm²

| Article No. | EAN 4003773- | ↔ mm | | Head | Handles | Cutting capacities Ø mm | Cutting capacities mm² | AWG | g |
|---|---|---|---|---|---|---|---|---|---|
| **95 17 500** | 026785 | 500 | 1000 V | polished | with dipped insulation, VDE-tested | 27.0 | 150 | 5 / 0 | 1477 |

# Cable Shears

## for two-hand operation

> 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
> Pinch guard prevents operators' fingers being pinched
> Adjustable bolted joint
> Bolted cutter head, replaceable
> Handles: steel tube
> Cutter head: high-grade chrome vanadium electric steel, forged, oil-hardened
> DIN EN 60900, IEC 60900



**95 27 600**

| Article No. | EAN 4003773- | ↔ mm | | Head | Handles | Cutting capacities Ø mm | Cutting capacities mm² | AWG | g |
|---|---|---|---|---|---|---|---|---|---|
| **95 27 600** | 021797 | 600 | 1000 V | polished | with dipped insulation, VDE-tested | 27.0 | 150 | 5 / 0 | 2262 |
| **95 29 600** | 021803 | Spare cutter head for 95 21 600 / 95 27 600 | | | | | | | |

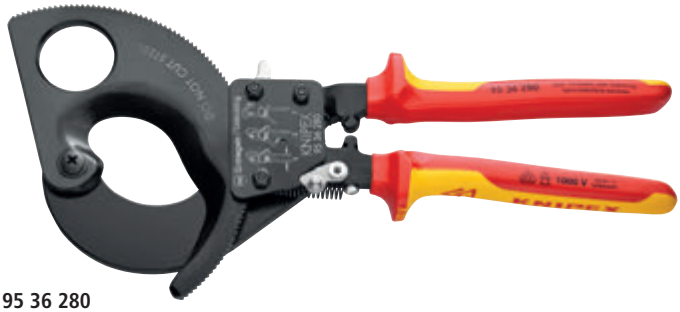
# Cable Cutters

## (ratchet action)

> 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
> Pinch guard prevents operators' fingers being pinched
> High-grade special tool steel, forged, oil-hardened
> DIN EN 60900, IEC 60900



**95 36 250**



**95 36 280**

**95 36 280**
> Suitable for aluminium sector cable up to 4 x 150 mm²



Ratchet principle and two-stage ratchet drive for easier cutting





| Article No. | EAN 4003773- | ↔ mm | | Tool | Handles | Cutting capacities Ø mm | Cutting capacities mm² | MCM | g |
|---|---|---|---|---|---|---|---|---|---|
| **95 36 250** | 026884 | 250 | 1000 V | black lacquered | insulated with multi-component grips, VDE-tested | 32.0 | 240 | 500 | 652 |
| **95 36 280** | 026891 | 280 | 1000 V | black lacquered | insulated with multi-component grips, VDE-tested | 52.0 | 380 | 750 | 835 |

| | | |
|---|---|---|
| **95 39 04** | 039167 | Feed pawl 95 3 250/280 |
| **95 39 08 S** | 039211 | Tension spring set for lateral mounting 95 36 25/28 |
| **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 Cutters

## (ratchet principle, 3-stage)

- Sturdy. Easy to use. Stable.
- Innovative ratchet-drive.
- For cable up to 60 mm diameter.



**95 36 320**

> Fixed handle with support area for putting down the pliers when cutting
> Easy handling due to low weight (825 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
> High-grade special tool steel, forged, oil-hardened
> DIN EN 60900, IEC 60900

| Article No. | EAN 4003773- | ↔ mm | | Tool | Head | Handles | Cutting capacities Ø mm | Cutting capacities mm² | MCM | g |
|---|---|---|---|---|---|---|---|---|---|---|
| **95 36 320** | 075189 | 320 | 1000 V | black atramentized | polished | insulated with multi-component grips, VDE-tested | 60.0 | 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 Cutters

## (ratchet action)

## for steel wire armoured cables (SWA cable)

- Cuts through steel wire armoured cables with a diameter of up to 45 mm / 380 mm² (e.g. 4 x 95 mm²) using one or two-handed operation
- Sturdy. Easy to use. Stable.



**95 36 315 A**

> 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!
> Cutter head: special high-grade tool steel, forged, oil-hardened
> IEC 60900, DIN EN 60900



| Article No. | EAN 4003773- | ↔ mm | | Tool | Handles | Cutting capacities Ø mm | Cutting capacities mm² | MCM | g |
|---|---|---|---|---|---|---|---|---|---|
| **95 36 315 A** | 078579 | 315 | 1000 V | black lacquered | insulated with multi-component grips, VDE-tested | 45.0 | 380 | 750 | 800 |

| | | |
|---|---|---|
| **95 39 315 A01** | 078586 | Pivot cutter repair kit for 95 32 315 A and 95 36 315 A |

# Wire Rope and ACSR-Cable Cutters

## Handles: aluminium, high-strength



95 77 600

> For wire ropes and steel rods, copper and aluminium cables
> Suitable for cutting overhead 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
> Handles: aluminium, high-strength
> Cutter head: high-grade special tool steel, multi stage oil-hardened
> DIN EN 60900, IEC 60900



| Article No. | EAN 4003773- | ↔ mm | | Head | Handles | Cutting capacities mm² | Ø mm | Ø mm | AWG | g |
|---|---|---|---|---|---|---|---|---|---|---|
| **95 77 600** | 025313 | 600 | 1000 V | 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 wire ferrules

## with trapezoid crimp

> For crimping wire 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
> DIN EN 60900, IEC 60900




97 68 145 A

| Article No. | EAN 4003773- | ↔ mm | | | Head | Handles | Capacity mm² | AWG | ⚖ g |
|---|---|---|---|---|---|---|---|---|---|
| **97 68 145 A** | 071754 | 145 | | 1000 V | polished | insulated with multi-component grips, VDE-tested | 0.25 - 2.5 | 24 - 14 | 175 |

# Crimping Pliers for wire ferrules

## with mandrel crimp

- Light and slim design
- Easy crimping due to optimised transmission ratio

> For crimping wire ferrules according to DIN 46228 parts 1 + 4 from 0.25 to 16 mm²
> 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
> DIN EN 60900, IEC 60900

**97 78 180 T***

> Pliers with tether attachment point for mounting a fall protection




97 78 180




97 78 180 T



| Article No. | EAN 4003773- | ↔ mm | | | Head | Handles | Applications | Capacity mm² | AWG | ⚖ g |
|---|---|---|---|---|---|---|---|---|---|---|
| **97 78 180** | 072003 | 180 | | 1000 V | polished | insulated with multi-component grips, VDE-tested | Wire ferrules | 0.25 - 16 | 24 - 6 | 254 |
| **97 78 180 T** | 081531 | 180 | | 1000 V | polished | insulated with multi-component grips, VDE-tested with integrated insulated tether attachment point for a tool tether | Wire ferrules | 0,25 - 16 | 24 - 6 | 260 |



*Other tools with tethering can be found from page 272

# Open-end wrenches

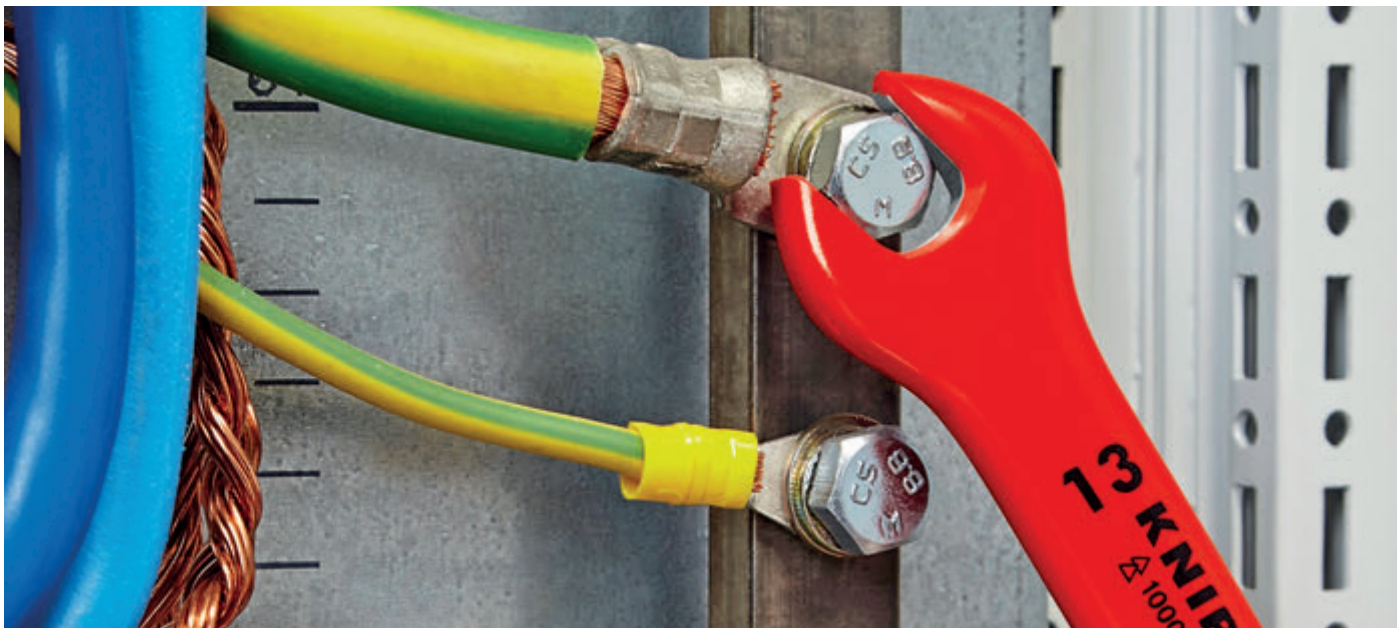
> Jaw 15° angled
> Basic tool chrome plated
> Chrome vanadium steel, forged, oil-hardened
> DIN EN 60900, IEC 60900




**98 00 14**



| Article No. | EAN 4003773- | | Width across flats S mm | Width across flats S Inch | Length l max. mm | Head width b max. mm mm | Head thickness a max. mm | g |
|---|---|---|---|---|---|---|---|---|
| **98 00 07** | 019824 | | 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 | 46 |
| **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 | 1000 V | 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 | 290 |
| **98 00 27** | 020028 | | 27,0 | 1 | 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 | 70 |
| **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

> Parallel smooth gripping jaws
> Variable gripping width
> With scaling for presetting the width apart from the workpiece
> Chrome Vanadium steel
> DIN EN 60900, IEC 60900




**98 07 250**



| Article No. | EAN 4003773 | ↔ mm | | Tool | Handle | mm | Inch | Jaw width mm | Head width mm | Width mm | Depth mm | g |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **98 07 250** | 071518 | 260 | 1000 V 22° | chrome plated | with dipped insulation | 34.0 | 1 1/8 | 8.0 | 16.0 | 57.0 | 20.0 | 590 |

# Box Wrenches

> Cranked
> Basic tool chrome plated
> Chrome vanadium steel, forged, oil-hardened
> DIN EN 60900, IEC 60900




**98 01 14**






| Article No. | EAN 4003773- | | Width across flats S mm | Length l max. mm | Head width b max. mm mm | Head thickness a max. mm | Depth of crank h max. mm | g |
|---|---|---|---|---|---|---|---|---|
| **98 01 07** | 020134 | | 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 | 1000 V | 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

> Ergonomically optimised dual component handle for fatigue reduced work and optimum transmission of force
> Handle design prevents rolling
> Chrome vanadium molybdenum steel
> DIN EN 60900, IEC 60900




**98 03 10**

| Article No. | EAN 4003773- | ↔ mm | | Tip | Handle | Width across flats S mm | Blade length mm | Handle length mm | Head dia. mm | ⚖ g |
|---|---|---|---|---|---|---|---|---|---|---|
| **98 03 04** | 071679 | 230 | | | | 4.0 | 125.0 | 107.0 | 9.0 | 70 |
| **98 03 05** | 071686 | 230 | | | | 5.0 | 125.0 | 107.0 | 10.0 | 70 |
| **98 03 055** | 026082 | 232 | | | | 5.5 | 125.0 | 107.0 | 11.0 | 87 |
| **98 03 06** | 026099 | 232 | | | | 6.0 | 125.0 | 107.0 | 12.0 | 88 |
| **98 03 07** | 026105 | 237 | | | | 7.0 | 125.0 | 112.0 | 14.0 | 123 |
| **98 03 08** | 024095 | 237 | 1000 V | burnished | insulating multi-component handle, VDE-tested | 8.0 | 125.0 | 112.0 | 15.0 | 125 |
| **98 03 09** | 026112 | 237 | | | | 9.0 | 125.0 | 112.0 | 16.0 | 129 |
| **98 03 10** | 026129 | 237 | | | | 10.0 | 125.0 | 112.0 | 17.0 | 118 |
| **98 03 11** | 026136 | 237 | | | | 11.0 | 125.0 | 112.0 | 19.0 | 148 |
| **98 03 12** | 026143 | 237 | | | | 12.0 | 125.0 | 112.0 | 20.0 | 150 |
| **98 03 13** | 026150 | 237 | | | | 13.0 | 125.0 | 112.0 | 21.0 | 152 |

# Nut Drivers

## with T-handle

> Special tool steel, oil-hardened
> DIN EN 60900, IEC 60900




**98 04 13**



**98 05 13**

| Article No. | EAN 4003773- | ↔ mm | | Width across flats S mm | Handle length mm | Head dia. mm | ⚖ g |
|---|---|---|---|---|---|---|---|
| **98 04 08** | 071341 | 200 | | 8.0 | 90.0 | 15.0 | 344 |
| **98 04 10** | 026167 | 200 | | 10.0 | 155.0 | 19.5 | 324 |
| **98 04 13** | 026198 | 200 | 1000 V | 13.0 | 155.0 | 23.5 | 344 |
| **98 04 17** | 026211 | 200 | | 17.0 | 155.0 | 28.5 | 426 |
| **98 04 19** | 020424 | 200 | | 19.0 | 155.0 | 31.0 | 525 |
| **98 04 22** | 026228 | 200 | | 22.0 | 155.0 | 34.5 | 560 |
| **98 05 13** | 026273 | 300 | | 13.0 | 155.0 | 23.5 | 409 |
| **98 05 17** | 026297 | 300 | 1000 V | 17.0 | 155.0 | 28.5 | 544 |
| **98 05 19** | 026303 | 300 | | 19.0 | 155.0 | 31.0 | 674 |

# Screwdrivers for hexagon socket screws

> Ergonomically optimised dual component handle for fatigue reduced work and optimum transmission of force
> Handle design prevents rolling
> Chrome vanadium molybdenum steel
> DIN EN 60900, IEC 60900




**98 13 30**

| 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 | | | | 2.0 | 75.0 | 15.0 | 102.0 | 40 |
| **98 13 25** | 026334 | 177 | | | | 2.5 | 75.0 | 15.0 | 102.0 | 32 |
| **98 13 30** | 026341 | 182 | 1000 V | burnished | insulating multi-component handle, VDE-tested | 3.0 | 75.0 | 15.0 | 107.0 | 49 |
| **98 13 40** | 026358 | 182 | | | | 4.0 | 75.0 | 15.0 | 107.0 | 55 |
| **98 13 50** | 026365 | 187 | | | | 5.0 | 75.0 | 15.0 | 112.0 | 82 |
| **98 13 60** | 026372 | 212 | | | | 6.0 | 100.0 | 15.0 | 112.0 | 98 |

# Screwdrivers for hexagon socket screws

## with T-handle

> Special tool steel, oil-hardened
> DIN EN 60900, IEC 60900




**98 14 08**




**98 15 08**

| 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 | | 5.0 | 9.0 | 90.0 | 220 |
| **98 14 06** | 020448 | 120 | 1000 V | 6.0 | 10.0 | 90.0 | 208 |
| **98 14 08** | 020455 | 120 | | 8.0 | 11.0 | 90.0 | 286 |
| **98 15 05** | 020479 | 250 | | 5.0 | 9.0 | 90.0 | 363 |
| **98 15 06** | 020486 | 250 | 1000 V | 6.0 | 10.0 | 90.0 | 452 |
| **98 15 08** | 020493 | 250 | | 8.0 | 11.0 | 90.0 | 359 |

# Screwdriver for slotted screws

> Ergonomically optimised dual component handle for fatigue reduced work and optimum transmission of force
> Handle design prevents rolling
> Chrome vanadium molybdenum steel
> DIN EN 60900, IEC 60900




**98 20 55**



**98 21 45**

| Article No. | EAN 4003773- | ↔ mm | | Tip | 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 | 1000 V | burnished | insulating multi-component handle, VDE-tested | 10.0 | 1.6 | 200.0 | 15.0 | 120.0 | 184 |
| **98 20 25** | 062325 | 177 | | | | 2.5 | 0.4 | 75.0 | 15.0 | 102.0 | 32 |
| **98 20 30** | 062332 | 202 | | | | 3.0 | 0.5 | 100.0 | 15.0 | 102.0 | 35 |
| **98 20 35** | 024217 | 202 | | | | 3.5 | 0.6 | 100.0 | 15.0 | 102.0 | 35 |
| **98 20 40** | 026402 | 202 | | | | 4.0 | 0.8 | 100.0 | 15.0 | 102.0 | 38 |
| **98 20 55** | 024224 | 232 | | | | 5.5 | 1.0 | 125.0 | 15.0 | 107.0 | 69 |
| **98 20 65** | 026419 | 262 | | | | 6.5 | 1.2 | 150.0 | 15.0 | 112.0 | 105 |
| **98 20 80** | 024231 | 295 | | | | 8.0 | 1.2 | 175.0 | 15.0 | 120.0 | 152 |
| **98 21 45** | 026426 | 287 | | | | 4.5 | 0.8 | 180.0 | 15.0 | 107.0 | 66 |

# Screwdrivers (Slim) for slotted screws

> 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
> DIN EN 60900, IEC 60900




**98 20 65 SL**

| Article No. | EAN 4003773- | ↔ mm | | Tip | 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 | 1000 V | burnished | insulating multi-component handle, VDE-tested | 3.5 | 0.6 | 100.0 | 15.0 | 102.0 | 35 |
| **98 20 40 SL** | 079729 | 202 | | | | 4.0 | 0.8 | 100.0 | 15.0 | 102.0 | 38 |
| **98 20 55 SL** | 079736 | 232 | | | | 5.5 | 1.0 | 125.0 | 15.0 | 107.0 | 69 |
| **98 20 65 SL** | 079743 | 262 | | | | 6.5 | 1.2 | 150.0 | 15.0 | 112.0 | 105 |

# Screwdrivers for cross-recessed screws

## Phillips®

> Ergonomically optimised dual component handle for fatigue reduced work and optimum transmission of force
> Handle design prevents rolling
> Chrome vanadium molybdenum steel
> DIN EN 60900, IEC 60900




**98 24 03**

| Article No. | EAN 4003773- | ↔ mm | | Tip | Handle | Size | Blade length mm | Length of non-insulated blade mm | Handle length mm | ⚖ g |
|---|---|---|---|---|---|---|---|---|---|---|
| **98 24 00** | 026433 | 162 | 1000 V | burnished | insulating multi-component handle, VDE-tested | PH0 | 60.0 | 15.0 | 102.0 | 32 |
| **98 24 01** | 026440 | 187 | | | | PH1 | 80.0 | 15.0 | 107.0 | 58 |
| **98 24 02** | 026457 | 212 | | | | PH2 | 100.0 | 18.0 | 112.0 | 94 |
| **98 24 03** | 026464 | 270 | | | | PH3 | 150.0 | 18.0 | 120.0 | 165 |
| **98 24 04** | 026471 | 320 | | | | PH4 | 200.0 | 18.0 | 120.0 | 244 |

# Screwdrivers (Slim) for cross-recessed screws




**98 24 02 SL**

## Phillips®

> 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
> DIN EN 60900, IEC 60900

| Article No. | EAN 4003773- | ↔ mm | | Tip | Handle | Size | Blade length mm | Length of non-insulated blade mm | Handle length mm | ⚖ g |
|---|---|---|---|---|---|---|---|---|---|---|
| **98 24 01 SL** | 079750 | 187 | 1000 V | burnished | insulating multi-component handle, VDE-tested | PH1 | 80.0 | 15.0 | 107.0 | 58 |
| **98 24 02 SL** | 079767 | 212 | | | | PH2 | 100.0 | 18.0 | 112.0 | 94 |

# Screwdrivers (Slim) Plus/Minus




**98 24 01 SLS**

## Phillips®

> Driving tips for PlusMinus profile screws
> Use with electronics installation components, e.g. automatic circuit breakers
> 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
> DIN EN 60900, IEC 60900

| Article No. | EAN 4003773- | ↔ mm | | Tip | Handle | Size | Blade length mm | Length of non-insulated blade mm | Handle length mm | ⚖ g |
|---|---|---|---|---|---|---|---|---|---|---|
| **98 24 01 SLS** | 081036 | 187 | 1000 V | burnished | insulating multi-component handle, VDE-tested | PH/S 1 | 80.0 | 15.0 | 107.0 | 56 |
| **98 24 02 SLS** | 081043 | 212 | | | | PH/S 2 | 100.0 | 18.0 | 112.0 | 90 |

# Screwdrivers for cross-recessed screws




**98 25 03**

## Pozidriv®

> Ergonomically optimised dual component handle for fatigue reduced work and optimum transmission of force
> Handle design prevents rolling
> Chrome vanadium molybdenum steel
> DIN EN 60900, IEC 60900

| Article No. | EAN 4003773- | ↔ mm | | Tip | Handle | Size | Blade length mm | Length of non-insulated blade mm | Handle length mm | ⚖ g |
|---|---|---|---|---|---|---|---|---|---|---|
| **98 25 00** | 062370 | 162 | 1000 V | burnished | insulating multi-component handle, VDE-tested | PZ0 | 60.0 | 15.0 | 102.0 | 32 |
| **98 25 01** | 031260 | 187 | | | | PZ1 | 80.0 | 15.0 | 107.0 | 58 |
| **98 25 02** | 031277 | 212 | | | | PZ2 | 100.0 | 18.0 | 112.0 | 90 |
| **98 25 03** | 031284 | 270 | | | | PZ3 | 150.0 | 18.0 | 120.0 | 167 |
| **98 25 04** | 062387 | 320 | | | | PZ4 | 200.0 | 18.0 | 120.0 | 245 |

# Screwdrivers (Slim) for cross-recessed screws




98 25 02 SL

## Pozidriv®

> 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
> DIN EN 60900, IEC 60900

| Article No. | EAN 4003773- | ↔ mm | | Tip | Handle | Size | Blade length mm | Length of non-insulated blade mm | Handle length mm | ⚖ g |
|---|---|---|---|---|---|---|---|---|---|---|
| **98 25 01 SL** | 079774 | 187 | 1000 V | burnished | insulating multi-component handle, VDE-tested | PZ1 | 80.0 | 15.0 | 107.0 | 56 |
| **98 25 02 SL** | 079781 | 212 | | | | PZ2 | 100.0 | 18.0 | 112.0 | 90 |

# Screwdrivers for Torx® screws

> Ergonomically optimised dual component handle for fatigue reduced work and optimum transmission of force
> Handle design prevents rolling
> Chrome vanadium molybdenum steel
> DIN EN 60900, IEC 60900




98 26 30

| Article No. | EAN 4003773- | ↔ mm | | Tip | Handle | Size | Blade length mm | Length of non-insulated blade mm | Handle length mm | ⚖ g |
|---|---|---|---|---|---|---|---|---|---|---|
| **98 26 10** | 071709 | 160 | 1000 V | burnished | insulating multi-component handle, VDE-tested | TX10 | 60.0 | 15.0 | 102.0 | 32 |
| **98 26 15** | 071716 | 185 | | | | TX15 | 80.0 | 15.0 | 107.0 | 58 |
| **98 26 20** | 071723 | 185 | | | | TX20 | 80.0 | 15.0 | 107.0 | 58 |
| **98 26 25** | 071730 | 185 | | | | TX25 | 80.0 | 15.0 | 107.0 | 58 |
| **98 26 30** | 071747 | 210 | | | | TX30 | 100.0 | 18.0 | 112.0 | 94 |

# Sockets with Torx drive

## 3/8"

> DIN EN 60900, IEC 60900




98 29 25




98 29 30




98 29 50

| Article No. | EAN 4003773- | ↔ mm | | Size | ⚖ g |
|---|---|---|---|---|---|
| **98 29 25** | 084600 | 123 | 1000 V | TX25 | 58 |
| **98 29 27** | 084617 | 123 | 1000 V | TX27 | 58 |
| **98 29 30** | 084624 | 123 | 1000 V | TX30 | 59 |
| **98 29 40** | 084631 | 123 | 1000 V | TX40 | 59 |
| **98 29 45** | 084648 | 117 | 1000 V | TX45 | 109 |
| **98 29 50** | 084655 | 117 | 1000 V | TX50 | 111 |

# T-handle

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

> For use with sockets
> Quick, easy and reliable locking of attached sockets thanks to spring-loaded ball
> Basic tool chrome plated
> High-grade special tool steel, forged, oil-hardened
> DIN EN 60900, IEC 60900




98 30




98 40

| Article No. | EAN 4003773- | ↔ mm | | T-Handle Drive mm | Square drive Inch | ⚖ g |
|---|---|---|---|---|---|---|
| **98 30** | 026488 | 200 | 1000 V | 165.0 | 3/8 | 447 |
| **98 40** | 026501 | 200 | 1000 V | 165.0 | 1/2 | 631 |

# Reversible Ratchets

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

> For use with sockets
> Reversible for clockwise and anti-clockwise directions
> Extremely smooth action
> Quick, easy and reliable locking of attached sockets thanks to spring-loaded ball
> Chrome vanadium steel, forged
> DIN EN 60900, IEC 60900



98 31



98 41

| Article No. | EAN 4003773- | ↔ mm | | Square drive Inch | ⚖ g |
|---|---|---|---|---|---|
| **98 31** | 026495 | 190 | 1000 V | 3/8 | 324 |
| **98 41** | 026518 | 265 | 1000 V | 1/2 | 625 |

# Extension Bars

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

> For use with sockets
> With internal and external square
> Quick, easy and reliable locking of attached sockets thanks to spring-loaded ball
> Chrome vanadium steel, forged
> DIN EN 60900, IEC 60900




**98 35 125**




**98 45 250**

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

# Hexagon Sockets for hexagonal socket screws

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

> For metric and imperial hexagonal head screws
> Basic tool chrome plated
> Chrome Vanadium steel
> DIN EN 60900, IEC 60900




**98 37 17**




**98 47 17**

| Article No. | EAN 4003773- | ↔ mm | | Width across flats S mm | dia. of effective tool side d max. mm | Square drive Inch | ⚖ g |
|---|---|---|---|---|---|---|---|
| **98 37 10** | 020578 | 42 | 1000 V | 10.0 | 18.7 | 3/8 | 32 |
| **98 37 11** | 020585 | 43 | | 11.0 | 20.0 | 3/8 | 32 |
| **98 37 12** | 020608 | 44 | | 12.0 | 21.2 | 3/8 | 33 |
| **98 37 13** | 020615 | 45 | | 13.0 | 22.5 | 3/8 | 33 |
| **98 37 14** | 020622 | 46 | | 14.0 | 23.7 | 3/8 | 39 |
| **98 37 16** | 027263 | 46 | | 16.0 | 26.2 | 3/8 | 53 |
| **98 37 17** | 020639 | 46 | | 17.0 | 27.5 | 3/8 | 61 |
| **98 37 19** | 020646 | 49 | | 19.0 | 30.0 | 3/8 | 73 |
| **98 47 10** | 020882 | 54 | 1000 V | 10.0 | 19.5 | 1/2 | 63 |
| **98 47 11** | 020899 | 54 | | 11.0 | 20.7 | 1/2 | 61 |
| **98 47 12** | 020912 | 55 | | 12.0 | 23.0 | 1/2 | 64 |
| **98 47 13** | 020929 | 55 | | 13.0 | 23.2 | 1/2 | 64 |
| **98 47 14** | 020943 | 55 | | 14.0 | 24.5 | 1/2 | 67 |
| **98 47 16** | 027287 | 55 | | 16.0 | 26.9 | 1/2 | 69 |
| **98 47 17** | 020967 | 55 | | 17.0 | 28.2 | 1/2 | 75 |
| **98 47 18** | 027294 | 55 | | 18.0 | 29.0 | 1/2 | 81 |
| **98 47 19** | 020974 | 54 | | 19.0 | 30.7 | 1/2 | 99 |
| **98 47 22** | 020981 | 58 | | 22.0 | 34.5 | 1/2 | 125 |
| **98 47 24** | 020998 | 61 | | 24.0 | 37.0 | 1/2 | 151 |
| **98 47 27** | 021001 | 63 | | 27.0 | 41.0 | 1/2 | 183 |

# 12-Point Sockets

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

> For imperial hexagonal head screws
> Basic tool chrome plated
> With double-hex
> Chrome Vanadium steel
> DIN EN 60900, IEC 60900




98 37 5




98 47 1




98 47 17

| Article No. | EAN 4003773- | ↔ mm | | Width across flats S Inch | dia. of effective tool side d max. mm | Square drive Inch | ⚖ g |
|---|---|---|---|---|---|---|---|
| **98 37 5/16"** | 020684 | 42 | | 5/16 | 16.2 | 3/8 | 30 |
| **98 37 3/8"** | 020677 | 42 | | 3/8 | 18.7 | 3/8 | 31 |
| **98 37 7/16"** | 020707 | 43 | | 7/16 | 20.0 | 3/8 | 31 |
| **98 37 1/2"** | 020554 | 45 | 1000 V | 1/2 | 22.5 | 3/8 | 33 |
| **98 37 9/16"** | 020721 | 47 | | 9/16 | 23.7 | 3/8 | 39 |
| **98 37 5/8"** | 020691 | 46 | | 5/8 | 26.2 | 3/8 | 51 |
| **98 37 3/4"** | 020660 | 49 | | 3/4 | 30.0 | 3/8 | 71 |
| **98 47 1/2"** | 020875 | 55 | | 1/2 | 23.2 | 1/2 | 67 |
| **98 47 9/16"** | 021094 | 55 | | 9/16 | 24.5 | 1/2 | 64 |
| **98 47 5/8"** | 021063 | 55 | | 5/8 | 26.9 | 1/2 | 72 |
| **98 47 11/16"** | 020905 | 55 | 1000 V | 11/16 | 28.2 | 1/2 | 88 |
| **98 47 3/4"** | 021018 | 55 | | 3/4 | 30.7 | 1/2 | 97 |
| **98 47 7/8"** | 021087 | 58 | | 7/8 | 34.5 | 1/2 | 124 |
| **98 47 1"** | 020868 | 61 | | 1 | 41.0 | 1/2 | 167 |

# Hexagon Sockets for hexagonal socket screws

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

> For metric internal hexagonal head screws
> Basic tool chrome plated
> Special tool steel
> DIN 7422, DIN EN 60900, IEC 60900




98 39 06

| Article No. | EAN 4003773- | ↔ mm | | Width across flats S mm | Length of non-insulated blade ± 2 mm | Square drive Inch | ⚖ g |
|---|---|---|---|---|---|---|---|
| **98 39 05** | 020776 | 75 | | 5.0 | 9.0 | 3/8 | 59 |
| **98 39 06** | 020783 | 75 | 1000 V | 6.0 | 10.0 | 3/8 | 58 |
| **98 39 08** | 020790 | 75 | | 8.0 | 11.0 | 3/8 | 71 |
| **98 49 05** | 021155 | 75 | | 5.0 | 9.0 | 1/2 | 68 |
| **98 49 06** | 021162 | 75 | 1000 V | 6.0 | 10.0 | 1/2 | 72 |
| **98 49 08** | 021179 | 75 | | 8.0 | 11.0 | 1/2 | 87 |

# Reversible Ratchet

## with driving square 1/2"

> Reversible for clockwise and anti-clockwise directions
> Very reliable retention of the actuating tools ensured by mechanically locked retaining system
> Chrome Vanadium steel
> ISO 3315, DIN EN 60900, IEC 60900



98 42

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

# Torque Wrenches

## with driving square, reversible

> Reversible for tightening of lefthanded threads
> Lockable torque adjustment
> Easy and secure locking of attached sockets due to screw lock
> Calibration certificate included
> Adjustable in steps of 0.25 Nm
> Chrome Vanadium steel
> ISO 3315, DIN EN 60900, IEC 60900

**98 33 50 / 98 43 50**
> Transparent insulated scale range 5 - 25 Nm

**98 33 50 / 98 43 50**
> Transparent insulated scale range 5 - 50 Nm



98 33 25



98 33 50



98 43 50

| Article No. | EAN 4003773- | ↔ mm | | Square drive Inch | ⚖ g |
|---|---|---|---|---|---|
| **98 33 25** | 072676 | 290 | 1000 V | 3/8 | 1230 |
| **98 33 50** | 071761 | 385 | 1000 V | 3/8 | 1230 |
| **98 43 50** | 071778 | 385 | 1000 V | 1/2 | 1230 |

# Cable Knives

> Ergonomically designed 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
> DIN EN 60900, IEC 60900

**98 54**
> Back of the blade plastic coated to avoid short circuits



**98 52**



**98 54**

| Article No. | EAN 4003773- | ↔ mm | | Handle | Blade length mm | ⚖ g |
|---|---|---|---|---|---|---|
| **98 52** | 035565 | 190 | 1000 V | insulating multi-component handle, VDE-tested | 50.0 | 67 |
| **98 54** | 026563 | 190 | 1000 V | insulating multi-component handle, VDE-tested | 50.0 | 68 |

# Stripping Knives

## with guide shoe

> Ergonomically designed 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
> DIN EN 60900, IEC 60900

**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



**98 53 03**



**98 53 13**



**98 55**


Guide shoe 98 55

| Article No. | EAN 4003773- | ↔ mm | | Handle | Blade length mm | Radius mm | ⚖ g |
|---|---|---|---|---|---|---|---|
| **98 53 03** | 026549 | 170 | 1000 V | insulating multi-component handle, VDE-tested | 28.0 | 7.0 | 64 |
| **98 53 13** | 026556 | 190 | 1000 V | insulating multi-component handle, VDE-tested | 50.0 | 40.0 | 64 |
| **98 55** | 022558 | 180 | 1000 V | insulating multi-component handle, VDE-tested | 38.0 | 23.5 | 68 |

# Cable Knives

## with replaceable blade

> 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
> DIN EN 60900, IEC 60900



98 56

| Article No. | EAN 4003773- | ↔ mm | | Blade length mm | ⚖ g |
|---|---|---|---|---|---|
| **98 56** | 026570 | 190 | 1000 V | 50.0 | 64 |
| **98 56 09** | 030829 | Spare blade for 98 56 | | | |

# Plastic Flat Nose Pliers

## insulating

> 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
> DIN EN 60900, IEC 60900



98 62 01

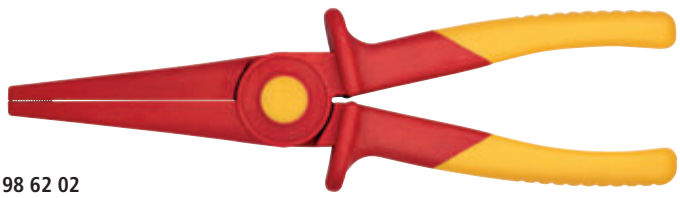


| Article No. | EAN 4003773- | ↔ mm | | ⚖ g |
|---|---|---|---|---|
| **98 62 01** | 073956 | 180 | 1000 V | 120 |

# Plastic Snipe Nose Pliers

## insulating

> 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
> DIN EN 60900, IEC 60900



98 62 02



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

KNIPEX 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.

# Insulating clamps

## plastic

> For holding insulating mats in place
> With integrated spring
> Fully insulated to avoid short circuits
> Solid plastic, fibreglass-reinforced
> DIN VDE 0680-1



98 64 02

| Article No. | EAN 4003773- | ↔ mm | | Clamping capacity | ⚖ g |
|---|---|---|---|---|---|
| **98 64 02** | 021193 | 150 | 1000 V | 15.0 | 61 |

# Plastic Slip-On Caps

## conical

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




98 66 03

| Article No. | EAN 4003773- | ↔ mm | | Conductor key | ⚖ g |
|---|---|---|---|---|---|
| **98 66 01** | 021209 | 80 | | 1 | 7 |
| **98 66 02** | 021216 | 80 | 1000 V | 2 | 8 |
| **98 66 03** | 021223 | 80 | | 3 | 8 |

# Self-Clamping Slip-On Caps

> To cover bare live cable ends
> Plastic




98 66 20




98 66 50

| Article No. | EAN 4003773- | ↔ mm | | Inside dia. mm | ⚖ g |
|---|---|---|---|---|---|
| **98 66 10** | 084181 | 80 | | 10.0 | 10 |
| **98 66 20** | 084198 | 100 | | 20.0 | 35 |
| **98 66 30** | 084204 | 110 | | 30.0 | 50 |
| **98 66 40** | 083498 | 135 | 1000 V | 40.0 | 75 |
| **98 66 45** | 083382 | 130 | | 45.0 | 90 |
| **98 66 50** | 083504 | 135 | | 50.0 | 95 |
| **98 66 60** | 084419 | 140 | | 60.0 | 120 |

# Electricians' Gloves

> For added protection when working live or close to live parts
> Classification: 0
> DIN EN 60903, IEC 60903



98 65 40

| Article No. | EAN 4003773- | | Classification | Size | ⚖ g |
|---|---|---|---|---|---|
| **98 65 40** | 021285 | | 0 | 9 | 281 |
| **98 65 41** | 021292 | | 0 | 10 | 290 |
| **98 65 42** | 077862 | | 0 | 11 | 290 |
| **98 65 43** | 077879 | | 1 | 9 | 290 |
| **98 65 44** | 077886 | | 1 | 10 | 290 |
| **98 65 45** | 077893 | | 1 | 11 | 290 |
| **98 65 46** | 077909 | 1000 V | 2 | 9 | 290 |
| **98 65 47** | 077916 | | 2 | 10 | 290 |
| **98 65 48** | 077923 | | 2 | 11 | 290 |
| **98 65 49** | 077930 | | 3 | 9 | 290 |
| **98 65 50** | 077947 | | 3 | 10 | 290 |
| **98 65 51** | 077954 | | 3 | 11 | 290 |

# Insulating Mats

## from rubber

> For added protection when working live or close to live parts
> DIN/EN IEC 61112



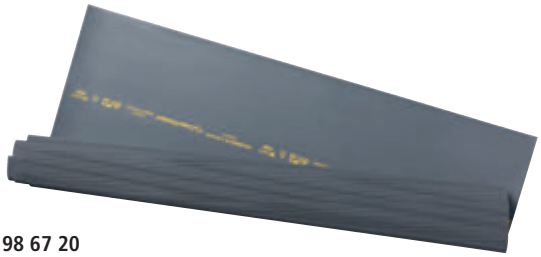

**98 67 05**

| Article No. | EAN 4003773- | | Dimensions mm | Thickness mm | g |
|---|---|---|---|---|---|
| **98 67 05** | 026600 | 1000 V | 500 x 500 x 1 mm | 1.0 | 301 |
| **98 67 10** | 026617 | | 1000 x 1000 x 1 mm | 1.0 | 820 |
| **98 67 15** | 077831 | | 10000 x 1000 x 1 mm | 1.0 | 12000 |

# Stand Mats

## from rubber

> For site insulation when working live or close to live parts
> IEC 61111



**98 67 20**

| Article No. | EAN 4003773- | | Dimensions mm | Thickness mm | g |
|---|---|---|---|---|---|
| **98 67 20** | 077848 | 1000 V | 1000 x 1000 x 3 mm | 3.0 | 3150 |
| **98 67 25** | 077855 | | 10000 x 1000 x 3 mm | 3.0 | 40000 |

# PUK® Junior Hacksaw

> Saw blade for metal and wood with 25 teeth per inch, exchangeable
> DIN EN 60900, IEC 60900




**98 90**

| Article No. | EAN 4003773- | ↔ mm | | Saw blade length | g |
|---|---|---|---|---|---|
| **98 90** | 028321 | 240 | 1000 V | 150.0 | 174 |

| | | |
|---|---|---|
| **98 90 01** | 084358 | Saw blades for PUK® saw 98 90 |

# Compact Tool Case

## 17 parts

▸ With insulated tools for works on electrical installations

> Shock-resistant plastic case
> Foam insert with precise recesses for holding the pliers
> Equipped with a range of customary insulated KNIPEX tools for work on electrical systems
> All tools are tested one by one and meet the requirements of IEC 60900
> Dimensions, exterior (W x H x D): 380 x 85 x 260 mm
> DIN EN 60900, IEC 60900



98 99 11

| Article No. | EAN 4003773- | | | | Quantity | 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 | 98 42 | Reversible Ratchet, with driving square 1/2" | 1 | |
| | | 1000 V | 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 | 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 Tool Case

## 26 parts

▸ With insulated tools for works on electrical installations

> Shock-resistant plastic case
> Foam insert with precise recesses for holding the pliers
> Equipped with a range of customary insulated KNIPEX tools for work on electrical systems
> Fixable partition wall
> Dimensions, exterior (W x H x D): 440 x 105 x 385 mm



**98 99 12**

| Article No. | EAN 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 | |
| | | | 98 20 25 | | 1 | |
| | | | 98 20 35 | Screwdrivers for slotted screws | 1 | |
| | | 1000 V | 98 20 40 | | 1 | |
| | | | 98 20 55 | | 1 | |
| | | | 98 24 00 | | 1 | |
| | | 1000 V | 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 Box “RED“ Electro Set 1

## Versatile use: the small four-piece VDE tool range in a handy case

> High quality, versatile, shock-resistant plastic case
> Foam insert with honeycomb structure for variable equipment
> Dimensions, exterior (W x H x D): 340 x 56 x 275 mm

**00 20 15**
> Pliers VDE-tested according to DIN EN/IEC 60900 1000V

**00 21 15 LE**
> Box without tools




**00 20 15**

| Article No. | EAN 4003773- | | | | Number | g |
|---|---|---|---|---|---|---|
| **00 20 15** | 024804 | | Tool Box “RED“ Electro-Set 1, 4 parts | | | 1430 |
| | | 1000 V | 03 06 180 | Combination Pliers | 1 | |
| | | 1000 V | 11 06 160 | Insulation Stripper | 1 | |
| | | 1000 V | 26 16 200 | Snipe Nose Side Cutting Pliers (Stork Beak Pliers) | 1 | |
| | | 1000 V | 70 06 160 | Diagonal Cutter | 1 | |
| **00 21 15 LE** | 045175 | | Tool Box “RED“, empty | | | 530 |

# Tool Box “RED“ Electro Set 2

## All you need, safely stored: seven-piece VDE tool set for electrical installation

> High quality, versatile, shock-resistant plastic case
> Foam insert with honeycomb structure for variable equipment
> Dimensions, exterior (W x H x D): 340 x 56 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**
> Box without tools



**00 21 15**

| Article No. | EAN 4003773- | | | | | Number | Nominal size | g |
|---|---|---|---|---|---|---|---|---|
| **00 21 15** | 042853 | | Tool Box “RED“ Electro-Set 2, 7 parts | | | | | 1520 |
| | | 1000 V | 03 06 180 | Combination Pliers | KNIPEX | 1 | 180 mm | |
| | | 1000 V | 26 16 200 | Snipe Nose Side Cutting Pliers (Stork Beak Pliers) | KNIPEX | 1 | 200 mm | |
| | | 1000 V | 70 06 160 | Diagonal Cutter | KNIPEX | 1 | 160 mm | |
| | | | 88 03 180 | KNIPEX Alligator®, Water Pump Pliers | KNIPEX | 1 | 180 mm | |
| | | 1000 V | | Screwdrivers for slotted screws, 160i | Wera | 1 | 0.4 x 2.5 x 80 mm | |
| | | 1000 V | | Screwdrivers for slotted screws, 160i | Wera | 1 | 0.8 x 4.0 x 100 mm | |
| | | 1000 V | | Screwdrivers for cross recessed Phillips® screws, 162i PH | Wera | 1 | PH1 x 80 mm | |
| **00 21 15 LE** | 045175 | | Tool Box “RED“, empty | | | | | 530 |

# Tool Roll

## Essential for work on electrical systems: 15-piece basic tool kit in practical roll-up bag

> 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
> Dimensions, open (L x H): 830 x 310 mm



**98 99 13**

| Article No. | EAN 4003773- | | | | Number | 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 | |
| | | | 26 17 200 | Snipe Nose Side Cutting Pliers (Stork Beak Pliers) | 1 | |
| | | | 70 07 160 | Diagonal Cutter | 1 | |
| | | | 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 | |
| | | | 98 20 40 | | 1 | |
| | | 1000 V | 98 20 55 | Screwdrivers for slotted screws | 1 | |
| | | | 98 20 65 | | 1 | |
| | | 1000 V | 98 52 | Cable Knife | 1 | |
| **98 99 13 LE** | 028888 | Tool Roll, empty | | | | 325 |

# Electronics Pliers and Precision Tweezers



| | |
|---|---|
| Electronic Super Knips / ESD | 244 |
| Electronic Super Knips XL / ESD | 246 |
| Precision Electronics Diagonal Cutters / ESD | 248 |
| Electronics Diagonal Cutters / ESD | 250 |
| Electronics End Cutting Nippers / ESD | 254 |
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| Precision Electronics Gripping Pliers / ESD | 256 |
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| Electronics Mounting Pliers | 259 |
| Electronics Pliers Sets | 260 |
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# Electronic Super Knips

> Precision pliers for ultra fine cutting work, e. g. in electronics and fine mechanics
> Ground, very sharp cutting edges without bevel
> Precision shaped tips cut wires flush to a surface from Ø 0.2 mm.
> Shear cut with controlled micro cutting edge misalignment for the most precise cutting of even the thinnest of wires and for a long service life
> Joint with stainless steel rivet
> Extremely smooth movement for minimum operator fatigue
> With opening spring and opening limiter
> Electrically discharging handles - dissipative
> DIN ISO 9654

**78 03 125/ESD / 78 23 125**
> INOX tool steel; cutting edge hardness approx. 54 HRC

**78 13 125/ESD**
> INOX tool steel; cutting edge hardness approx. 54 HRC; with lead catcher – no uncontrolled loss of cut wire ends

**78 31 125**
> Cutting edges additionally induction-hardened, cutting edge hardness approx. 60 HRC; with narrow head; special tool steel, burnished

**78 41 125**
> With lead catcher - no uncontrolled loss of cut wire ends; with narrow head; cutting edges additionally induction-hardened, cutting edge hardness approx. 60 HRC; special tool steel, burnished

**78 61 125/ESD**
> Also suitable for cutting glass fibre cables (fibre optics); cutting edges additionally induction-hardened, cutting edge hardness approx. 64 HRC; Special tool steel, oil hardened in multiple stages

**78 71 125/ESD**
> With lead catcher – no uncontrolled loss of cut wire ends; cutting edges additionally induction-hardened, cutting edge hardness approx. 64 HRC; special tool steel, burnished

## Models also for hard wire

**78 81 125**
> Precision-ground cutting edges with very small bevel suitable also for hard wire; cutting edges additionally induction-hardened, cutting edge hardness approx. 64 HRC; special tool steel, burnished

**78 91 125**
> Precision-ground cutting edges with very small bevel suitable also for hard wire; with lead catcher – no uncontrolled loss of cut wire ends; cutting edges additionally induction-hardened, cutting edge hardness approx. 64 HRC; special tool steel, burnished

**ESD pliers (electrostatic discharge)**
Electrostatic energy is discharged through the handles in a gradual and controlled manner. Which protects components endangered by electrostatic discharge. In accordance with applicable standards, e.g. IEC TR 61 340-5, DIN EN 61 340-5, SP Method 2472



78 03 125



78 03 125 ESD



78 06 125



78 13 125



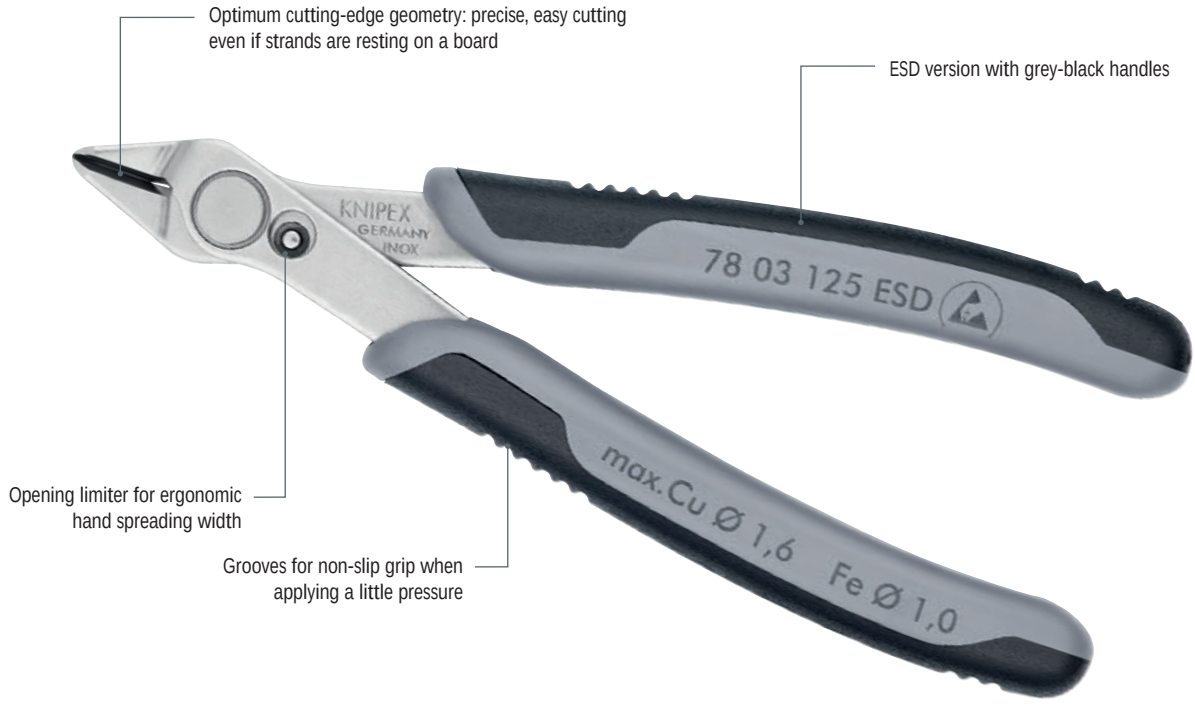
78 23 125



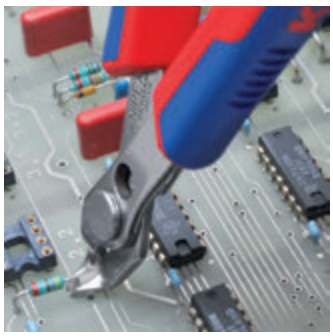
78 31 125

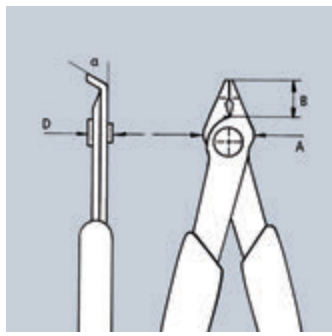


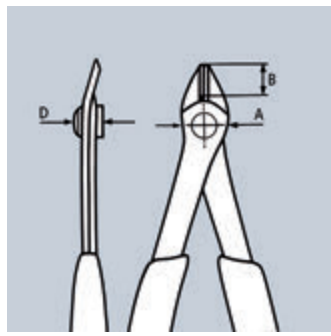
78 41 125








| Article No. | EAN 4003773- | ↔ mm | | Pliers | Head | Handles | Cutting capacities Ø mm | Ø mm | Ø mm | Dimensions B mm | A mm | D mm | ⚖ g |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **78 03 125** | 035381 | 125 | | | polished | with multi-component grips | 1.6 | 1.0 | | 9.0 | 13.5 | 7.5 | 56 |
| **78 03 125 ESD** | 025146 | 125 | | | polished | with multi-component grips | 1.6 | 1.0 | | 9.0 | 13.5 | 7.5 | 55 |
| **78 06 125** | 084099 | 125 | 1000 V | | polished | insulated with multi-component grips, VDE-tested | 1.6 | 1.0 | | 9.0 | 13.5 | 7.5 | 60 |
| **78 13 125** | 035398 | 125 | | | polished | with multi-component grips | 1.6 | 1.0 | | 9.0 | 13.5 | 7.5 | 57 |
| **78 13 125 ESD** | 025153 | 125 | | | polished | with multi-component grips | 1.6 | 1.0 | | 9.0 | 13.5 | 7.5 | 57 |
| **78 23 125** | 043096 | 125 | 60° | | polished | with multi-component grips | 1.0 | 0.6 | | 5.5 | 13.5 | 7.5 | 55 |
| **78 31 125** | 039778 | 125 | | burnished | burnished | with multi-component grips | 1.0 | | | 9.0 | 12.5 | 7.5 | 55 |
| **78 41 125** | 040767 | 125 | | burnished | burnished | with multi-component grips | 1.0 | | | 9.0 | 12.5 | 7.5 | 57 |
| **78 61 125** | 035404 | 125 | | burnished | burnished | with multi-component grips | 1.6 | 1.2 | | 9.0 | 13.5 | 7.5 | 56 |
| **78 61 125 ESD** | 025184 | 125 | | burnished | burnished | with multi-component grips | 1.6 | 1.2 | | 9.0 | 13.5 | 7.5 | 56 |
| **78 71 125** | 043799 | 125 | | burnished | burnished | with multi-component grips | 1.6 | 1.2 | | 9.0 | 13.5 | 7.5 | 57 |
| **78 71 125 ESD** | 025191 | 125 | | burnished | burnished | with multi-component grips | 1.6 | 1.2 | | 9.0 | 13.5 | 7.5 | 57 |
| **78 81 125** | 065074 | 125 | | burnished | burnished | with multi-component grips | 1.6 | 1.2 | 0.6 | 9.0 | 13.5 | 7.5 | 57 |
| **78 91 125** | 065081 | 125 | | burnished | burnished | with multi-component grips | 1.6 | 1.2 | 0.6 | 9.0 | 13.5 | 7.5 | 57 |

# Electronic Super Knips XL

> For ultra fine cutting work, e.g. in electronics and fine mechanics
> In particular for cutting cable ties to length
> Ground, very sharp cutting edges without bevel
> Shear cut with controlled micro cutting edge misalignment for the most precise cutting of even the thinnest of wires and for a long service life
> Precision shaped tips cut wires flush to a surface from Ø 0.2 mm
> Joint with stainless steel rivet
> Extremely smooth movement for minimum operator fatigue
> With opening spring and opening limiter
> DIN ISO 9654




**78 03 140**



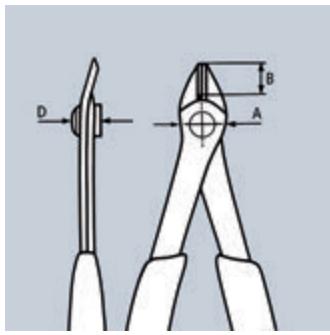

**78 61 140**



For flush cutting, e.g. for shortening cable ties



Shear cut with controlled micro cutting edge misalignment for the most precise cutting of even the thinnest of wires and for a long service life




| Article No. | EAN 4003773- | ↔ mm | | Pliers | Head | Handles | Cutting capacities ◔ Ø mm | Cutting capacities ◑ Ø mm | Dimensions B mm | Dimensions A mm | Dimensions D mm | ⚖ g |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **78 03 140** | 081647 | 140 | | | polished | with multi-component grips | 0.2 - 2.1 | 1.2 | 12.3 | 15.7 | 9.2 | 85 |
| **78 61 140** | 081685 | 140 | | burnished | burnished | with multi-component grips | 0.2 - 2.1 | 1.4 | 12.3 | 15.7 | 9.2 | 85 |

# Electronic Super Knips XL ESD

> For ultra fine cutting work, e.g. in electronics and fine mechanics
> Ground, very sharp cutting edges without bevel
> Precision shaped tips cut wires flush to a surface from Ø 0.2 mm.
> Shear cut with controlled micro cutting edge misalignment for the most precise cutting of even the thinnest of wires and for a long service life
> Joint with stainless steel rivet
> Extremely smooth movement for minimum operator fatigue
> With opening spring and opening limiter
> DIN ISO 9654, DIN EN 61 340-5



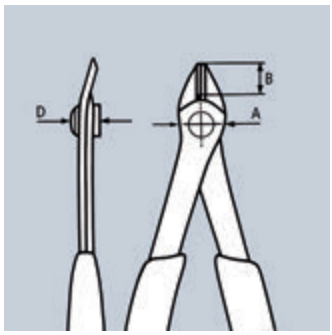

**78 03 140 ESD**




**78 61 140 ESD**

**78 61 140 ESD**
> Cutting edge hardness approx. 64 HRC; cutting edges additionally induction-hardened; Special tool steel, oil hardened in multiple stages

**78 03 140 ESD**
> Cutting edge hardness approx. 54 HRC; INOX tool steel




**ESD pliers (electrostatic discharge)**
Electrostatic energy is discharged through the handles in a gradual and controlled manner. Which protects components endangered by electrostatic discharge. In accordance with applicable standards, e.g. IEC TR 61 340-5, DIN EN 61 340-5, SP Method 2472



| Article No. | EAN 4003773- | ↔ mm | | Pliers | Head | Handles | Cutting capacities ◔ Ø mm | Cutting capacities ◑ Ø mm | Dimensions B mm | Dimensions A mm | Dimensions D mm | ⚖ g |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **78 03 140 ESD** | 081661 | 140 | | | polished | with multi-component grips | 0.2 - 2.1 | 1.2 | 12.3 | 15.7 | 9.2 | 77 |
| **78 61 140 ESD** | 081708 | 140 | | burnished | burnished | with multi-component grips | 0.2 - 2.1 | 1.4 | 12.3 | 15.7 | 9.2 | 85 |

# Precision Electronics Diagonal Cutters

> Precision pliers for ultra fine cutting work, e. g. in electronics and fine mechanics
> Very precisely ground and sharp cutting edges with very small bevels for exact cutting on delicate electronic components; also available without bevel for flush cutting
> Cutting edges additionally induction-hardened, cutting edge hardness approx. 64 HRC
> Approx. 20 % lighter than conventional electronics pliers
> Bolted joint with carefully manufactured joint surfaces for even, low-friction movement throughout the entire opening range
> Smooth-running double spring for a gentle and even opening
> Ergonomically optimised multi-component handles
> Ball bearing chrome steel, forged, multi stage oil-hardened
> DIN ISO 9654

**79 02 120 / 79 22 120**
> Mini-head

**79 12 125**
> Specially for cutting through hard wire and piano wire

**79 32 125 / 79 42 125**
> Pointed head

**79 42 125 Z**
> For an optimised flush cutting result of soft materials

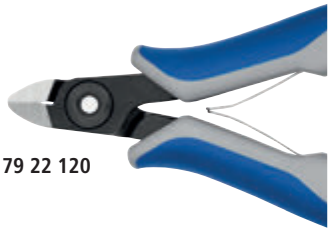
**79 52 125 / 79 62 125**
> Pointed head; with lead catcher – no uncontrolled loss of cut wire ends

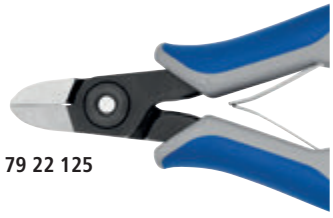


79 02 120

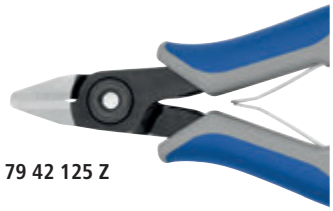

79 02 125


79 12 125


79 22 120

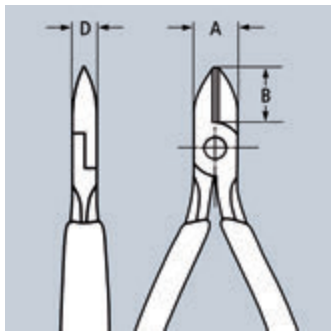

79 22 125


79 32 125


79 42 125 Z

**Material catcher for 79 02 / 22 125 ESD see page 142**






## The subtle difference

KNIPEX precision electronics pliers are made of high-quality ball bearing steel and processed with the highest degree of care. Each opening movement is gentle and even without backlash. Each work step proceeds reliably and precisely. This makes work much easier for professionals.

| Article No. | EAN 4003773- | ↔ mm | | Pliers | Head | Handles | Cutting capacities ◔ Ø mm | ◑ Ø mm | ◕ Ø mm | ● Ø mm | Dimensions B mm | A mm | D mm | ⚖ g |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **79 02 120** | 061403 | 120 | | burnished | polished | with multi-component grips | 0.2 - 1.4 | 1.0 | 0.6 | | 6.5 | 9.0 | 6.5 | 57 |
| **79 02 125** | 061281 | 125 | | burnished | polished | with multi-component grips | 0.2 - 1.7 | 1.3 | 0.7 | | 10.0 | 11.0 | 6.5 | 59 |
| **79 02 125 S1** | 071808 | 125 | | | | | 0.2 - 1.7 | 1.3 | 0.7 | | 10.0 | 11.0 | 6.5 | 59 |
| **79 12 125** | 071365 | 125 | | burnished | polished | with multi-component grips | 0.3 - 1.7 | 1.3 | 1.0 | 0.6 | 10.0 | 11.0 | 6.5 | 59 |
| **79 22 120** | 061427 | 120 | | burnished | polished | with multi-component grips | 0.1 - 1.3 | 0.8 | | | 6.5 | 9.0 | 6.5 | 56 |
| **79 22 125** | 061342 | 125 | | burnished | polished | with multi-component grips | 0.1 - 1.7 | 1.0 | | | 10.0 | 11.0 | 6.5 | 60 |
| **79 32 125** | 061366 | 125 | | burnished | polished | with multi-component grips | 0.2 - 1.5 | 1.1 | 0.6 | | 11.0 | 11.0 | 6.5 | 58 |
| **79 42 125** | 061380 | 125 | | burnished | polished | with multi-component grips | 0.1 - 1.5 | 0.8 | | | 11.0 | 11.0 | 6.5 | 58 |
| **79 42 125 Z** | 078449 | 125 | | burnished | polished | with multi-component grips | 0.1 - 1.3 | | | | 11.0 | 11.0 | 6.5 | 58 |
| **79 52 125** | 065135 | 125 | | burnished | polished | with multi-component grips | 0.2 - 1.3 | 0.9 | 0.5 | | 11.0 | 11.0 | 6.5 | 58 |
| **79 62 125** | 065142 | 125 | | burnished | polished | with multi-component grips | 0.1 - 1.3 | 0.8 | | | 11.0 | 11.0 | 6.5 | 58 |

# Precision Electronics Diagonal Cutters ESD

## Electrically discharging handles – dissipative

> Precision pliers for ultra fine cutting work, e. g. in electronics and fine mechanics
> Very precisely ground and sharp cutting edges with very small bevels for exact cutting on delicate electronic components; also available without bevel for flush cutting
> Precision cutting edges additionally induction-hardened, cutting edge hardness approx. 64 HRC
> Approx. 20 % lighter than conventional electronics pliers
> Bolted joint with carefully manufactured joint surfaces for even, low-friction movement throughout the entire opening range
> Smooth-running double spring for a gentle and even opening
> Ergonomically optimised multi-component handles
> Ball bearing chrome steel, forged, multi stage oil-hardened
> DIN ISO 9654, DIN EN 61 340-5

**79 02 120 ESD / 79 22 120 ESD**
> Mini-head

**79 02 125 ESD / 79 22 125 ESD**
> Round head

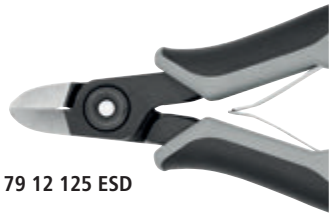
**79 12 125 ESD**
> Specially for cutting through hard wire and piano wire

**79 32 125 ESD / 79 42 125 ESD**
> Pointed head



79 02 120 ESD


79 02 125 ESD


79 12 125 ESD


79 22 120 ESD

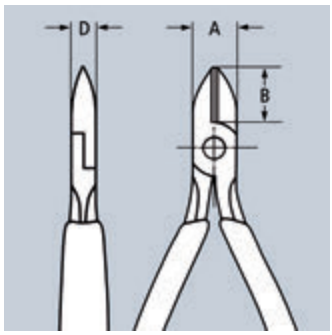

79 22 125 ESD


79 32 125 ESD


79 42 125 Z ESD

**ESD pliers (electrostatic discharge)**
Electrostatic energy is discharged through the handles in a gradual and controlled manner. Which protects components endangered by electrostatic discharge. In accordance with applicable standards, e.g. IEC TR 61 340-5, DIN EN 61 340-5, SP Method 2472








| Article No. | EAN 4003773- | ↔ mm | | Pliers | Head | Handles | Cutting capacities ◔ Ø mm | ◑ Ø mm | ◕ Ø mm | ● Ø mm | Dimensions B mm | A mm | D mm | ⚖ g |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **79 02 120 ESD** | 061595 | 120 | | burnished | polished | with multi-component grips | 0.2 - 1.4 | 1.0 | 0.6 | | 6.5 | 9.0 | 6.5 | 60 |
| **79 02 125 ESD** | 061519 | 125 | | burnished | polished | with multi-component grips | 0.2 - 1.7 | 1.3 | 0.7 | | 10.0 | 11.0 | 6.5 | 61 |
| **79 12 125 ESD** | 071389 | 125 | | burnished | polished | with multi-component grips | 0.3 - 1.7 | 1.3 | 1.0 | 0.6 | 10.0 | 11.0 | 6.5 | 61 |
| **79 22 120 ESD** | 061618 | 120 | | burnished | polished | with multi-component grips | 0.1 - 1.3 | 0.8 | | | 6.5 | 9.0 | 6.5 | 61 |
| **79 22 125 ESD** | 061533 | 125 | | burnished | polished | with multi-component grips | 0.1 - 1.7 | 1.0 | | | 10.0 | 11.0 | 6.5 | 61 |
| **79 32 125 ESD** | 061557 | 125 | | burnished | polished | with multi-component grips | 0.2 - 1.5 | 1.1 | 0.6 | | 11.0 | 11.0 | 6.5 | 61 |
| **79 42 125 ESD** | 061571 | 125 | | burnished | polished | with multi-component grips | 0.1 - 1.5 | 0.8 | | | 11.0 | 11.0 | 6.5 | 58 |
| **79 42 125 Z ESD** | 078456 | 125 | | burnished | polished | with multi-component grips | 0.1 - 1.3 | | | | 11.0 | 11.0 | 6.5 | 58 |
| **79 52 125 ESD** | 065159 | 125 | | burnished | polished | with multi-component grips | 0.2 - 1.3 | 0.9 | 0.5 | | 11.0 | 11.0 | 6.5 | 58 |
| **79 62 125 ESD** | 065166 | 125 | | burnished | polished | with multi-component grips | 0.1 - 1.3 | 0.8 | | | 11.0 | 11.0 | 6.5 | 58 |

# Electronics Diagonal Cutters

> Bolted joint for high precision and stress tolerance
> For ultra fine cutting work, e.g. in electronics and fine mechanics
> With sharp, ground cutting edges for soft and hard wire and piano wire
> Cutting edges additionally induction-hardened, cutting edge hardness approx. 64 HRC
> Low-friction double spring for gentle and even opening
> High-grade special tool steel, forged, multi stage oil-hardened
> DIN ISO 9654

**Style 0**
> With bevel (outside bevel)

**Style 2**
> With small bevel

**Style 5**
> Particularly narrow head, with bevel




**75 02 125**




**75 12 125**



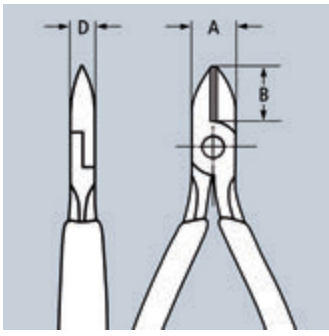

**75 22 125**




**75 52 125**



Bolted joint




| Article No. | EAN 4003773 | ↔ mm | | Style | Pliers | Handles | Cutting capacities Ø mm | Ø mm | Ø mm | Ø mm | Dimensions A mm | B mm | D mm | ⚖ g |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **75 02 125** | 043720 | 125 | | 0 | burnished | with plastic grips | 0.2 - 1.3 | 1.0 | 0.6 | 0.4 | 10.5 | 14.0 | 6.5 | 80 |
| **75 12 125** | 040514 | 125 | | 1 | burnished | with plastic grips | 0.2 - 1.3 | 1.0 | 0.6 | 0.4 | 10.5 | 14.0 | 6.5 | 80 |
| **75 22 125** | 040538 | 125 | | 2 | burnished | with plastic grips | 0.2 - 1.3 | 0.9 | 0.4 | 0.3 | 10.5 | 14.0 | 6.5 | 79 |
| **75 52 125** | 043737 | 125 | | 5 | burnished | with plastic grips | 0.2 - 0.8 | 0.5 | 0.3 | | 10.5 | 14.0 | 6.5 | 75 |

# Electronics Diagonal Cutters

## with box joint

> For fine cutting work, e.g. in electronics and fine mechanics
> Load-optimised for a more direct feel when working
> Low-friction double spring for gentle and even opening
> The mirror polish together with a fine film of oil offer effective rust protection – no circuit faults caused by peeling chrome from plated tools
> Cutters additionally laser hardened, cutter hardness at least 60 HRC
> Narrow sleeves pulled up to the head of the pliers enable the tool to be guided securely and comfortably, also between thumb and index finger
> Sturdy, zero-backlash box joint
> Ball bearing chrome steel, oil-hardened
> DIN ISO 9654

**77 01 115 / 77 02 130**
> Round head, with bevel; cutting edge hardness approx. 60 HRC

**77 02 115 / 77 22 130**
> Round head, with small bevel; cutting edge hardness approx. 60 HRC

**77 11 115 / 77 12 115**
> Round head, with bevel and lead catcher – no uncontrolled loss of cut wire ends; cutting edge hardness approx. 60 HRC

**77 21 115**
> Round head, without bevel; cutting edge hardness approx. 60 HRC

**77 22 115**
> Round head, without bevel; cutting edge hardness approx. 60 HRC

**77 32 115**
> Pointed head, with small bevel; cutting edge hardness approx. 60 HRC

**77 42 115 / 77 42 130**
> Pointed head, without bevel; cutting edge hardness approx. 60 HRC

**77 52 115**
> Pointed, flat head, with small bevel; cutting edge hardness approx. 60 HRC

**77 72 115**
> Pointed mini-head, with small bevel; cutting edge hardness approx. 60 HRC



77 01 115



77 02 115



77 02 130



77 12 115



77 22 115

| Article No. | EAN 4003773- | ↔ mm | | Head | Handles | Cutting capacities Ø mm | Ø mm | Ø mm | Dimensions B mm | A mm | D mm | g |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **77 01 115** | 018568 | 115 | | mirror polished | plastic coated | 0.3 - 1.6 | 1.2 | 0.6 | 14.0 | 11.0 | 7.5 | 50 |
| **77 01 130** | 018575 | 130 | | | | 0.3 - 2.0 | 1.5 | 0.8 | 18.0 | 15.0 | 9.5 | 108 |
| **77 02 115** | 039334 | 115 | | mirror polished | with multi-component grips | 0.3 - 1.6 | 1.2 | 0.6 | 14.0 | 11.0 | 7.5 | 70 |
| **77 02 130** | 039341 | 130 | | mirror polished | with multi-component grips | 0.3 - 2.0 | 1.5 | 0.8 | 18.0 | 15.0 | 9.5 | 124 |
| **77 11 115** | 018629 | 115 | | mirror polished | with non-slip plastic coating | 0.3 - 1.6 | 1.2 | 0.6 | 14.0 | 11.0 | 7.5 | 55 |
| **77 12 115** | 043768 | 115 | | mirror polished | with multi-component grips | 0.3 - 1.6 | 1.2 | 0.6 | 14.0 | 11.0 | 7.5 | 70 |
| **77 21 115 N** | 082309 | 115 | | mirror polished | plastic coated | 1.3 | 1.0 | | | 11.0 | | 50 |
| **77 21 130** | 018667 | 130 | | | | 0.3 - 1.6 | 1.3 | | 18.0 | 14.0 | 9.5 | 110 |
| **77 22 115** | 043782 | 115 | | mirror polished | with multi-component grips | 0.3 - 1.3 | 1.0 | | 14.0 | 11.0 | 7.0 | 70 |
| **77 22 130** | 040446 | 130 | | mirror polished | with multi-component grips | 0.3 - 2.0 | 1.5 | | 18.0 | 15.0 | 9.0 | 124 |
| **77 32 115** | 044307 | 115 | | mirror polished | with multi-component grips | 0.3 - 1.3 | 1.0 | 0.5 | 14.0 | 11.0 | 7.5 | 65 |
| **77 41 115** | 082316 | 115 | | mirror polished | with multi-component grips | 1.3 | 0.8 | | | 11.0 | | 50 |
| **77 42 115** | 039761 | 115 | | mirror polished | with multi-component grips | 0.3 - 1.3 | 0.8 | | 14.0 | 11.0 | 7.5 | 70 |
| **77 42 130** | 018773 | 130 | | | | 0.3 - 1.6 | 1.3 | | 18.0 | 15.0 | 9.5 | 122 |
| **77 52 115** | 040750 | 115 | | mirror polished | with multi-component grips | 0.3 - 1.0 | 0.8 | 0.5 | 14.0 | 11.0 | 7.5 | 65 |
| **77 72 115** | 040958 | 115 | | mirror polished | with multi-component grips | 0.3 - 0.8 | | | 10.5 | 11.0 | 6.0 | 65 |

# Electronics Diagonal Cutters ESD

> For fine cutting work, e.g. in electronics and fine mechanics
> Electrically discharging handles – dissipative
> Sturdy, zero-backlash box joint
> Low-friction double spring for gentle and even opening
> The mirror polish together with a fine film of oil offer effective rust protection – no circuit faults caused by peeling chrome from plated tools
> Cutters additionally laser hardened, cutting edge hardness approx. 62 HRC
> With two-colour dual component grips, black/grey
> Ball bearing chrome steel, oil-hardened
> DIN ISO 9654, DIN EN 61 340-5




**77 02 115 ESD**



**77 12 115 ESD**



**77 22 115 ESD**



**77 32 115 ESD**



**77 42 115 ESD**



**77 52 115 ESD**



**77 72 115 ESD**

**77 02 115 ESD**
> Round head, with small bevel

**77 12 115 ESD**
> Round head, with bevel and lead catcher – no uncontrolled loss of cut wire ends

**77 22 115 ESD**
> Round head, without bevel

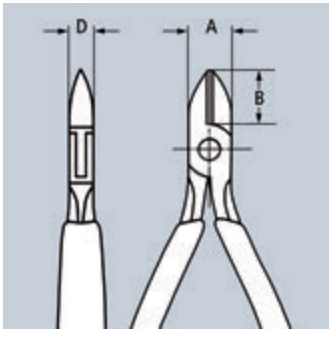
**77 32 115 ESD**
> Pointed head, with small bevel

**77 42 115 ESD**
> Pointed head, without bevel

**77 52 115 ESD**
> Pointed, flat head, with small bevel

**77 72 115 ESD**
> Pointed mini-head, with small bevel

**ESD pliers (electrostatic discharge)**
Electrostatic energy is discharged through the handles in a gradual and controlled manner. Which protects components endangered by electrostatic discharge. In accordance with applicable standards, e.g. IEC TR 61 340-5, DIN EN 61 340-5, SP Method 2472






| Article No. | EAN 4003773- | ↔ mm | | Head | Handles | Cutting capacities ◔ Ø mm | ◑ Ø mm | ◕ Ø mm | Dimensions B mm | A mm | D mm | ⚖ g |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **77 02 115 ESD** | 025092 | 115 | | mirror polished | with multi-component grips | 0.3 - 1.6 | 1.2 | 0.6 | 14.0 | 11.0 | 7.5 | 70 |
| **77 12 115 ESD** | 025108 | 115 | | mirror polished | with multi-component grips | 0.3 - 1.6 | 1.2 | 0.6 | 14.0 | 11.0 | 7.5 | 70 |
| **77 22 115 ESD** | 025115 | 115 | | mirror polished | with multi-component grips | 0.3 - 1.3 | 1.0 | | 14.0 | 11.0 | 7.5 | 70 |
| **77 32 115 ESD** | 025122 | 115 | | mirror polished | with multi-component grips | 0.3 - 1.3 | 1.0 | 0.5 | 14.0 | 11.0 | 7.0 | 70 |
| **77 42 115 ESD** | 031901 | 115 | | mirror polished | with multi-component grips | 0.3 - 1.3 | 0.8 | | 14.0 | 11.0 | 7.0 | 70 |
| **77 52 115 ESD** | 025139 | 115 | | mirror polished | with multi-component grips | 0.3 - 1.0 | 0.8 | 0.5 | 14.0 | 11.0 | 7.0 | 70 |
| **77 72 115 ESD** | 024330 | 115 | | mirror polished | with multi-component grips | 0.3 - 0.8 | | | 10.5 | 11.0 | 6.0 | 70 |

# Electronics Diagonal Cutter

## with inserted carbide metal cutting edges

> For extreme demands on cutting pliers caused by hard or tough materials, e.g. piano, nickel, tungsten and diode wire, such as those used more frequently in the electronics and aerospace industries
> Always the right cutting tool, even with the hardest material
> Precision carbide metal cutting edges soldered into forged blanks
> Sturdy, zero-backlash box joint
> Hardness of the carbide cutting edges 80 - 83 HRC
> Pliers with carbide metal cutting edges have a substantially longer service life than such with conventional cutting edges
> Constantly reliable cutting results due to the avoidance of cutter deformations
> High cost saving due to longer service life of the pliers
> DIN ISO 9654

**77 02 120 H / 77 02 135 H / ESD**
> Round head, with bevel

**77 32 120 H / ESD**
> Pointed head with chamfer; with small bevel




**77 02 120 H**




**77 02 120 H ESD**



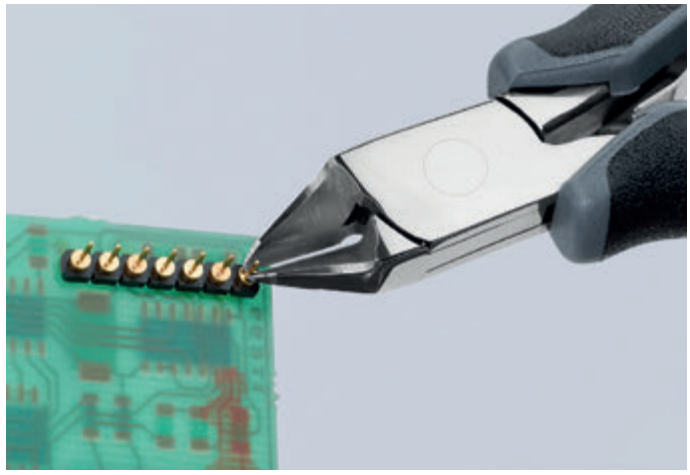

**77 32 120 H**




**77 32 120 H ESD**




**Inserted carbide cutting edge**
Precision carbide metal cutting edges soldered into forged blanks.



| Article No. | EAN 4003773- | ↔ mm | | Head | Handles | Cutting capacities Ø mm | Ø mm | Ø mm | Ø mm | Dimensions B mm | A mm | D mm | g |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **77 02 120 H** | 075783 | 120 | | mirror polished | with multi-component grips | 2.0 | 1.4 | 1.0 | 0.6 | 14.0 | 11.0 | 7.5 | 85 |
| **77 02 135 H** | 075806 | 135 | | | | 2.2 | 1.6 | 1.2 | 0.8 | 18.0 | 15.0 | 9.5 | 115 |
| **77 02 120 H ESD** | 075813 | 120 | | mirror polished | with multi-component grips | 2.0 | 1.4 | 1.0 | 0.6 | 14.0 | 11.0 | 7.5 | 85 |
| **77 02 135 H ESD** | 075837 | 135 | | | | 2.2 | 1.6 | 1.2 | 0.8 | 18.0 | 15.0 | 9.5 | 115 |
| **77 32 120 H** | 075790 | 120 | | mirror polished | with multi-component grips | 1.6 | 1.0 | 0.6 | 0.2 | 14.0 | 11.0 | 7.5 | 80 |
| **77 32 120 H ESD** | 075820 | 120 | | mirror polished | with multi-component grips | 1.6 | 1.0 | 0.6 | 0.2 | 14.0 | 11.0 | 7.0 | 80 |

# Electronics End Cutting Nippers

> Precision pliers for ultra fine cutting work, e. g. in electronics and fine mechanics
> Sturdy, zero backlash box joint
> Low-friction double spring for gentle and even opening
> The mirror polish together with a fine film of oil offer effective rust protection – no circuit faults caused by peeling chrome from plated tools
> Cutters additionally laser hardened, cutting edge hardness at least 56 HRC
> Ball bearing chrome steel, oil-hardened
> DIN ISO 9654

**Style 0**
> End Cutter, with small bevel

**Style 2**
> End Cutter, mini-blade with small bevel

**Style 3**
> Oblique End Cutter, short head, with small bevel, α = 15°

**Style 4**
> Oblique End Cutter, short head, with small bevel, α = 27°

**Style 5**
> Oblique End Cutter, short head, without bevel, for flush cutting, α = 27°

**Style 6**
> Oblique End Cutter, mini-blade with small bevel, α = 65°

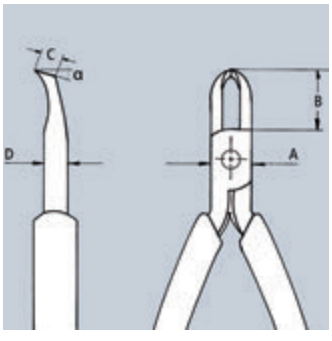
**Style 7**
> Oblique End Cutter, mini-blade with small bevel, head with recess, α = 35°

**Style 1 / 64 11 115**
> End Cutter, without bevel

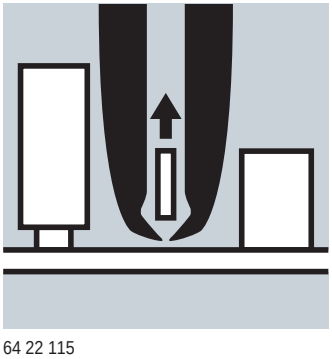
**Style 1 / 64 12 115 / ESD**
> End Cutter, with small bevel



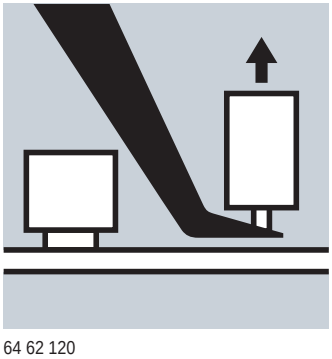
64 11 115




64 72 120



64 22 115



64 62 120




64 01 115




64 02 115 ESD



64 11 115



64 12 115



64 22 115



64 32 120



64 42 115



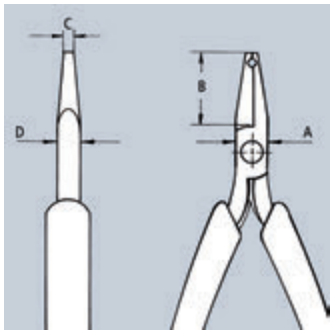
64 52 115



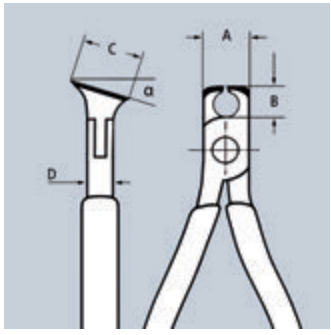
64 62 120



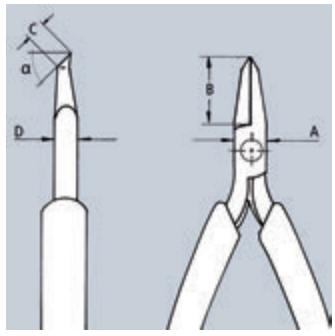
64 72 120



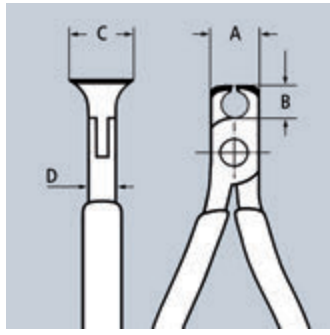
64 22 115



64 32/42/52



64 62 120



64 01/02/11/12

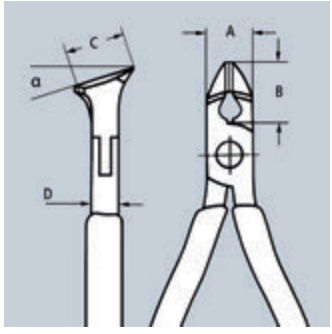
| Article No. | EAN 4003773- | ↔ mm | | Style | Head | Handles | Cutting capacities ◔ Ø mm | ◑ Ø mm | ◕ Ø mm | Dimensions A mm | B mm | D mm | C mm | ⚖ g |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **64 01 115** | 017745 | 115 | | 0 | mirror polished | with non-slip plastic coating | 2.0 | 1.0 | 0.6 | 11.0 | 6.0 | 7.5 | 16.0 | 55 |
| **64 02 115** | 035343 | 115 | | 0 | mirror polished | with multi-component grips | 2.0 | 1.0 | 0.6 | 11.0 | 6.0 | 7.5 | 16.0 | 70 |
| **64 02 115 ESD** | 082231 | 130 | ∡90° | 0 | mirror polished | with multi-component grips | 2.0 | 1.0 | 0.6 | 11.0 | 6.0 | 7.5 | 16.0 | 70 |
| **64 11 115** | 017769 | 115 | | 1 | mirror polished | plastic coated | 1.4 | 0.8 | | 11.0 | 12.0 | 7.0 | 16.0 | 50 |
| **64 12 115** | 040743 | 115 | | 1 | mirror polished | with multi-component grips | 1.4 | 0.8 | 0.5 | 11.0 | 6.0 | 7.0 | 16.0 | 70 |
| **64 12 115 ESD** | 024323 | 115 | ∡90° | 1 | mirror polished | with multi-component grips | 1.4 | 0.8 | | 11.0 | 6.0 | 7.0 | 16.0 | 70 |
| **64 22 115** | 017806 | 115 | | 2 | mirror polished | with multi-component grips | 0.8 | | | 11.0 | 20.0 | 6.0 | 3.0 | 70 |
| **64 22 115 ESD** | 025061 | 115 | | 2 | mirror polished | with multi-component grips | 0.8 | | | 11.0 | 20.0 | 6.0 | 3.0 | 70 |
| **64 32 120** | 017820 | 120 | ∡15° | 3 | mirror polished | with multi-component grips | 1.5 | 1.0 | 0.5 | 11.0 | 10.0 | 7.0 | 17.0 | 70 |
| **64 32 120 ESD** | 025078 | 120 | ∡15° | 3 | mirror polished | with multi-component grips | 1.5 | 1.0 | 0.5 | 11.0 | 10.0 | 7.0 | 17.0 | 70 |
| **64 42 115** | 017844 | 115 | ∡27° | 4 | mirror polished | with multi-component grips | 1.5 | 1.0 | 0.5 | 11.0 | 10.0 | 7.0 | 12.0 | 70 |
| **64 52 115** | 040439 | 115 | ∡27° | 5 | mirror polished | with multi-component grips | 1.3 | | | 11.0 | 10.0 | 7.0 | 12.0 | 70 |
| **64 62 120** | 046998 | 120 | ∡65° | 6 | mirror polished | with multi-component grips | 0.6 | | | 11.0 | 20.0 | 7.0 | 7.0 | 70 |
| **64 62 120 ESD** | 025085 | 120 | ∡65° | 6 | mirror polished | with multi-component grips | 0.6 | | | 11.0 | 20.0 | 7.0 | 7.0 | 70 |
| **64 72 120** | 017882 | 120 | ∡35° | 7 | mirror polished | with multi-component grips | 1.5 | | | 11.0 | 20.0 | 7.0 | 6.0 | 70 |

# Electronics Oblique Cutting Nipper

> With cutting edges for soft and medium hard wire
> Without bevel, for flush cutting
> Cutters additionally laser hardened, cutting edge hardness approx. 56 HRC
> Low-friction double spring for gentle and even opening
> Sturdy, zero backlash box joint
> The mirror polish together with a fine film of oil offer effective rust protection – no circuit faults caused by peeling chrome from plated tools
> Ball bearing chrome steel, oil-hardened
> DIN ISO 9654



**62 12 120**






| Article No. | EAN 4003773- | ↔ mm | | Handles | Cutting capacities ◔ Ø mm | ◑ Ø mm | Dimensions A mm | B mm | C mm | D mm | ⚖ g |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **62 12 120** | 048008 | 120 | ∡15° | with multi-component grips | 0.3 - 1.0 | 0.7 | 11.0 | 10.0 | 17.0 | 7.5 | 70 |

# Precision Electronics Gripping Pliers

> The assortment for highest standard of performance and results
> Precision pliers for fine assembly work, e g. in electronics and fine mechanics
> For gripping, holding and bending
> Bolted joint: precise, zero backlash operation of pliers
> Precisely finished joint surfaces for smooth, low friction movement along the complete opening range
> Low-friction double spring for gentle and even opening
> Smooth ground gripping surfaces, edges carefully deburred
> Non-reflective finish
> Low weight
> For very precise assembly work, e.g. in electronics and fine mechanics
> Smoothly ground gripping surfaces, edges finely rounded
> Approx. 20 % lighter than conventional electronics pliers
> Bolted joint and carefully manufactured joint surfaces for even, low-friction movement throughout the entire opening range
> Smooth-running double spring for a gentle and even opening
> With precision laser cut cross-shaping
> Ball bearing chrome steel, forged, multi stage oil-hardened
> DIN ISO 9655

**Style 1**
> Flat, wide jaws

**Style 2**
> Half-round jaws

**Style 3**
> Round, pointed jaws

**Style 4**
> Flat, wide jaws, with precision laser cut cross-shaping

**Style 5**
> Half-round jaws, with precision laser cut cross-shaping



34 12 130 ESD



34 12 130


34 22 130

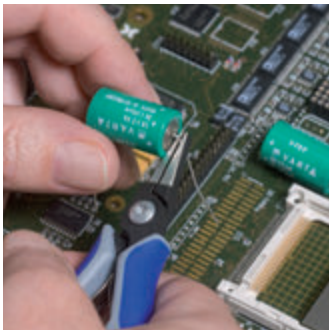

34 22 130 ESD


34 32 130


34 32 130 ESD


34 42 130

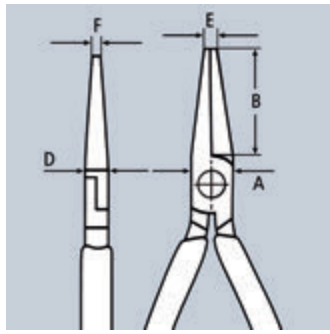

34 42 130 ESD







Cross-shaping: precision laser cut for a secure grip in ultra fine mounting work




| Article No. | EAN 4003773- | ↔ mm | | Head | Handles | Dimensions B mm | A mm | D mm | E mm | F mm | ⚖ g |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **34 12 130 ESD** | 061632 | 135 | | polished | with multi-component grips | 21.9 | 11.2 | 6.5 | 1.4 | 3.5 | 62 |
| **34 12 130** | 061458 | 135 | | polished | with multi-component grips | 21.9 | 11.2 | 6.5 | 1.4 | 3.5 | 61 |
| **34 22 130** | 061472 | 135 | | polished | with multi-component grips | 22.7 | 11.2 | 6.5 | 1.6 | 1.6 | 61 |
| **34 22 130 ESD** | 061656 | 135 | | polished | with multi-component grips | 22.7 | 11.2 | 6.5 | 1.6 | 1.6 | 65 |
| **34 32 130** | 061496 | 135 | | polished | with multi-component grips | 23.7 | 11.2 | 6.5 | 2.0 | 1.0 | 59 |
| **34 32 130 ESD** | 061670 | 135 | | polished | with multi-component grips | 23.7 | 11.2 | 6.5 | 2.0 | 1.0 | 62 |
| **34 42 130** | 080282 | 130 | | polished | with multi-component grips | 21.9 | 11.2 | 6.5 | 1.4 | 3.5 | 61 |
| **34 42 130 ESD** | 080299 | 130 | | polished | with multi-component grips | 21.9 | 11.2 | 6.5 | 1.4 | 3.5 | 61 |
| **34 52 130** | 080312 | 130 | | polished | with multi-component grips | 22.7 | 11.2 | 6.5 | 1.6 | 1.6 | 61 |
| **34 52 130 ESD** | 080305 | 130 | | polished | with multi-component grips | 22.7 | 11.2 | 6.5 | 1.6 | 1.6 | 61 |

# Electronics Pliers

> Precision pliers for fine assembly work, e g. in electronics and fine mechanics
> Load-optimised for a more direct feel when working
> For gripping, holding and bending
> Sturdy, zero backlash box joint
> Smooth ground gripping surfaces
> Soft transitions; no sharp edges
> Low-friction double spring for gentle and even opening
> The mirror polish together with a fine film of oil offer effective rust protection – no circuit faults caused by peeling chrome from plated tools
> Narrow sleeves pulled up to the head of the pliers enable the tool to be guided securely and comfortably, also between thumb and index finger
> Edges carefully deburred
> Ball bearing chrome steel, oil-hardened
> DIN ISO 9655




**35 11 115**




**35 12 115**



**35 21 115**



**35 22 115**



**35 31 115**



**35 32 115**



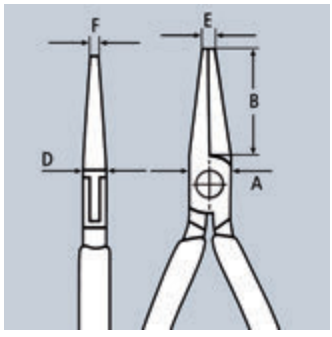
**35 41 115**

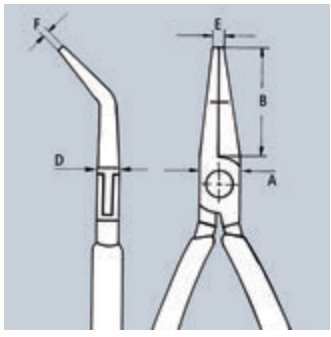


**35 42 115**








| Article No. | EAN 4003773- | ↔ mm | | Head | Handles | Dimensions B mm | A mm | D mm | E mm | F mm | ⚖ g |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **35 11 115** | 016694 | 115 | | mirror polished | with non-slip plastic coating | 22.5 | 11.0 | 6.5 | 2.0 | 4.0 | 55 |
| **35 12 115** | 035107 | 115 | | mirror polished | with multi-component grips | 22.5 | 11.0 | 6.5 | 2.0 | 4.0 | 70 |
| **35 21 115** | 016724 | 115 | ⊖ | mirror polished | with non-slip plastic coating | 22.5 | 11.0 | 6.5 | 2.0 | 1.5 | 55 |
| **35 22 115** | 035114 | 115 | ⊖ | mirror polished | with multi-component grips | 22.5 | 11.0 | 6.5 | 2.0 | 1.5 | 70 |
| **35 31 115** | 016762 | 115 | 8 | mirror polished | with non-slip plastic coating | 22.5 | 11.0 | 6.5 | 2.0 | 1.0 | 61 |
| **35 32 115** | 035121 | 115 | 8 | mirror polished | with multi-component grips | 22.5 | 11.0 | 6.5 | 2.0 | 1.0 | 70 |
| **35 41 115** | 082248 | 115 | ∡45° | mirror polished | with multi-component grips | 22.5 | 11.0 | 6.5 | 2.0 | 1.0 | 55 |
| **35 42 115** | 040736 | 115 | ⊖ ∡45° | mirror polished | with multi-component grips | 22.5 | 11.0 | 6.5 | 2.0 | 1.5 | 70 |
| **35 52 145** | 039389 | 145 | | mirror polished | with multi-component grips | 40.0 | 12.0 | 7.5 | 1.5 | 4.0 | 102 |
| **35 62 145** | 039556 | 145 | ⊖ | mirror polished | with multi-component grips | 40.0 | 12.0 | 7.5 | 2.5 | 1.5 | 103 |
| **35 82 145** | 039396 | 145 | ⊖ ∡45° | mirror polished | with multi-component grips | 35.0 | 12.0 | 7.5 | 2.5 | 1.0 | 102 |

# Electronics Pliers ESD

> Precision pliers for fine assembly work, e g. in electronics and fine mechanics
> For gripping, holding and bending
> Electrically discharging handles - dissipative
> Sturdy, zero backlash box joint
> Smooth ground gripping surfaces
> Edges carefully deburred
> Low-friction double spring for gentle and even opening
> The mirror polish together with a fine film of oil offer effective rust protection – no circuit faults caused by peeling chrome from plated tools
> With two-colour dual component grips, black/grey
> Ball bearing chrome steel, oil-hardened
> DIN ISO 9655, DIN EN 61 340-5




**35 12 115 ESD**



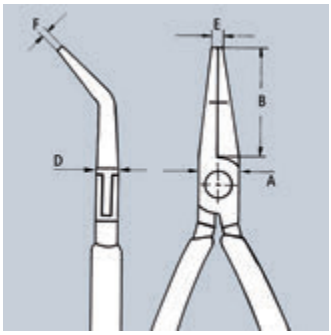

**35 22 115 ESD**

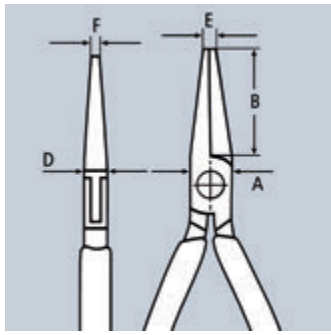



**35 32 115 ESD**




**35 42 115 ESD**




**ESD pliers (electrostatic discharge)**
Electrostatic energy is discharged through the handles in a gradual and controlled manner. Which protects components endangered by electrostatic discharge. In accordance with applicable standards, e.g. IEC TR 61 340-5, DIN EN 61 340-5, SP Method 2472



| Article No. | EAN 4003773- | ↔ mm | | Head | Handles | Dimensions B mm | A mm | D mm | E mm | F mm | ⚖ g |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **35 12 115 ESD** | 024835 | 115 | | mirror polished | with multi-component grips | 22.5 | 11.0 | 6.5 | 2.0 | 4.0 | 70 |
| **35 22 115 ESD** | 024842 | 115 | | mirror polished | with multi-component grips | 22.5 | 11.0 | 7.0 | 2.0 | 1.3 | 70 |
| **35 32 115 ESD** | 024859 | 115 | | mirror polished | with multi-component grips | 22.5 | 11.0 | 6.5 | 2.0 | 1.0 | 70 |
| **35 42 115 ESD** | 024866 | 115 | | mirror polished | with multi-component grips | 22.5 | 11.0 | 6.5 | 2.0 | 1.5 | 70 |

# Electronics Mounting Pliers

> Precision pliers for very fine assembly and repair work in electronics
> For bending and cutting off wire ends on components
> Sturdy, zero backlash box joint
> Smooth ground gripping surfaces
> Edges carefully deburred
> Low-friction double spring for gentle and even opening
> The mirror polish together with a fine film of oil offer effective rust protection – no circuit faults caused by peeling chrome from plated tools
> Ball bearing chrome steel, oil-hardened



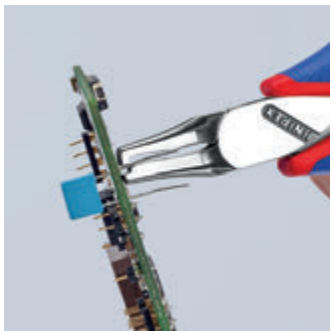
**36 12 130**



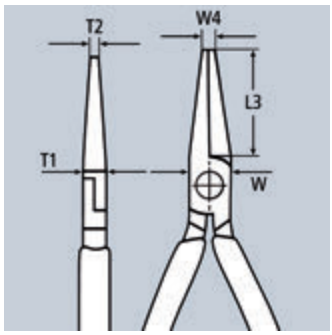
**36 22 125**

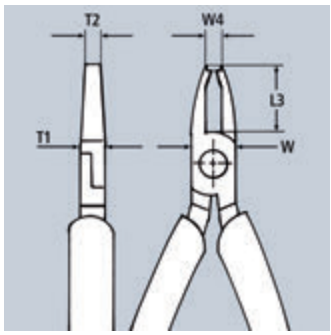


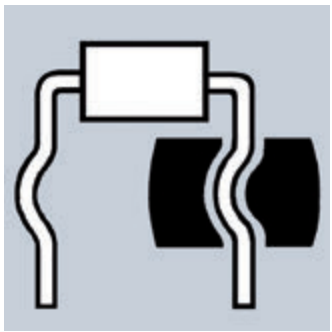
**36 32 125**



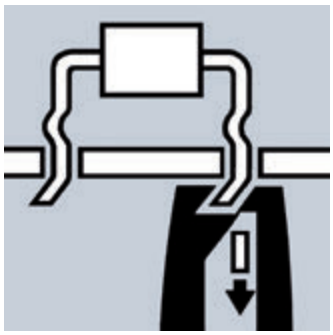




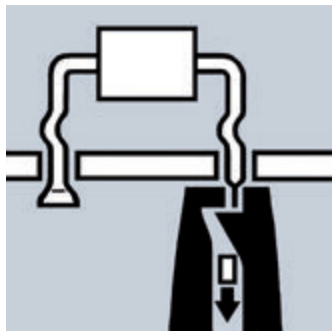



To bend wire in shape for the distance to the board



To bend and cut wire at 1.6 mm length below the board



To crunch and cut wire at 1.6 mm length below the board

| Article No. | EAN 4003773- | ↔ mm | | Head | Handles | Cutting capacities ◔ Ø mm | Dimensions L3 mm | W mm | T1 mm | W1 mm | T2 mm | ⚖ g |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **36 12 130** | 016861 | 130 | ⩘ | mirror polished | with multi-component grips | | 18.0 | 11.0 | 7.0 | 5.5 | 4.0 | 70 |
| **36 22 125** | 046967 | 125 | ⩘ | mirror polished | with multi-component grips | 1.2 | 18.0 | 11.0 | 7.0 | 7.5 | 4.0 | 94 |
| **36 32 125** | 016885 | 125 | ⩘ | mirror polished | with multi-component grips | 1.0 | 18.0 | 11.0 | 7.0 | 7.5 | 3.0 | 108 |

# Electronics Pliers Sets

## with tools for work on electronic components

> Dimensions, closed (W x H x D): 215 x 160 x 50 mm

**00 20 16**
> 7 parts, contains 6 electronics pliers and one pair of precision tweezers; case made of hard-wearing polyester fabric, pliers are held by elastic band, zippered

**00 20 16 P**
> 6 parts, contains 6 precision electronics pliers; case made of hard-wearing polyester fabric, pliers are held by elastic band, zippered

**00 20 16 P ESD**
> 6 parts, contains 6 ESD precision electronics pliers, electrically discharging version; case made of hard-wearing polyester fabric, pliers are held by elastic band, zippered

**00 20 17**
> 6 parts, contains 6 ESD precision electronics pliers, electrically discharging version; case made of hard-wearing polyester fabric, pliers are held by elastic band, zippered

**00 20 18**
> 8 parts, contains 2 electronics pliers and 6 electronics screwdrivers; practical storage box, shock-resistant plastic, with foam insert

**00 20 18 ESD**
> 8 parts, contains 2 electronics pliers and 6 electronics screwdrivers, ESD electrically discharging version; practical storage box, shock-resistant plastic, with foam insert



**00 20 16**



**00 20 16 P**



**00 20 16 P ESD**



**00 20 17**



**00 20 18**



**00 20 18 ESD**

| Article No. | EAN 4003773- | Contents | ⚖ g |
|---|---|---|---|
| **00 20 16** | 022619 | 35 12 115 / 35 22 115 / 35 32 115 / 64 32 120 / 77 02 115 / 77 42 115 / 92 34 36 | 720 |
| **00 20 16 P** | 063223 | 34 12 130 / 34 22 130 / 34 32 130 / 79 02 120 / 79 02 120 / 79 02 125 / 79 42 125 | 575 |
| **00 20 16 P ESD** | 063230 | 34 12 130 ESD / 34 22 130 ESD / 34 32 130 ESD / 79 02 120 ESD / 79 02 125 ESD / 79 42 125 ESD | 585 |
| **00 20 17** | 031222 | 35 12 115 ESD / 35 22 115 ESD / 35 42 115 ESD / 64 32 120 ESD / 77 02 115 ESD / 77 32 115 ESD | 695 |
| **00 20 18** | 033073 | 35 22 115 / 77 02 115 / screw drivers 0,4 x 2,5 / 0,5 x 3,0 / 0,6 x 3,5 / 0,8 x 4,0 / PH0 / PH1 | 460 |
| **00 20 18 ESD** | 051848 | 35 22 115 ESD / 77 02 115 ESD / screw drivers 0,4 x 2,5 / 0,5 x 3,0 / 0,6 x 3,5 / 0,8 x 4,0 / PH0 / PH1 | 465 |

# Tweezer Sets

> Five high-quality sets of tweezers: Precision Tweezers, Universal Tweezers, SMD-, ESD, Plastic and Insulated Tweezers
> Optimum combination: the tweezer sets come in various combinations in a high-quality tool roll for safe transport and damage-free storage
> Two different tool rolls (VDE set with 5 compartments; others with 7 compartments)

**92 00 01 ESD**
**Universal Tweezers Set ESD**
> 5 pieces
> DIN EN 61340 -5-1

**92 00 02**
**Precision Tweezers Set**
> 5 pieces

**92 00 03**
**SMD Precision Tweezers Set**
> 5 pieces

**92 00 04**
**Universal Tweezers Set**
> 5 pieces
> insulated

**92 00 05 ESD**
**Plastic Tweezers Set ESD**
> 5 pieces
> DIN EN 61340 -5-1



**92 00 01 ESD**



**92 00 02**



**92 00 03**



**92 00 04**



**92 00 05 ESD**

| Article No. | EAN 4003773- | Contents | ⚖ g |
|---|---|---|---|
| **92 00 01 ESD** | 087038 | 92 28 69 ESD / 92 28 70 ESD / 92 28 71 ESD / 92 38 75 ESD / 92 58 74 ESD | 182 |
| **92 00 02** | 087021 | 92 21 01 / 92 21 02 / 92 21 03 / 92 31 01 / 92 51 01 | 180 |
| **92 00 03** | 087045 | 92 01 01 / 92 01 02 / 92 01 03 / 92 01 04 / 92 02 54 | 180 |
| **92 00 04** | 087052 | 92 27 61 / 92 27 62 / 92 37 64 / 92 47 01 / 92 67 63 | 275 |
| **92 00 05 ESD** | 087069 | 92 09 01 ESD / 92 09 02 ESD / 92 09 03 ESD / 92 09 04 ESD / 92 09 05 ESD | 124 |
| **00 19 92 V01 LE** | 087229 | Tool Roll for insulated tweezers, 5 compartments, empty | 100 |
| **00 19 92 V02 LE** | 087236 | Tool Roll for tweezers, 7 compartments, empty | 100 |

# Precision Tweezers

## resistant to many chemicals

> For particularly demanding precision work: tough and highly resistant to corrosion
> Handcrafted: polished edges and an excellent matt, scratch-free and non-reflective surface
> For the electronics industry, watchmakers, jewellers, laboratories with biological and medical applications in moderately aggressive chemical environments
> High-quality premium stainless steel: high temperature resistance and excellent corrosion resistance to most chemicals, salts and acids
> Ideally suited for microscopic work, precision handling, repairs, manufacturing electronic components, as well as other general applications; tips are guaranteed to have perfect symmetry and balance
> Also available as a set (92 00 02)
> Premium stainless steel



92 21 01



92 21 02



92 21 03



92 31 01



92 51 01

| Article No. | EAN 4003773- | L x D x H mm | Gripping surface | Handles | Finish | Tweezers tip version | Tips width A x B mm | ⚖ g |
|---|---|---|---|---|---|---|---|---|
| **92 21 01** | 085041 | 120 x 10 x 13 | | smooth | straight | pointed | 0.5 x 0.9 | 22 |
| **92 21 02** | 085065 | 110 x 9.5 x 11 | | smooth | straight | needle-point | 0.12 x 0.18 | 12 |
| **92 21 03** | 085089 | 110 x 10 x 11 | | smooth | straight | needle-point | 0.06 x 0.12 | 13 |
| **92 31 01** | 085027 | 120 x 10 x 11 | | smooth | bent 45° | needle-point | 0.09 x 0.16 | 14 |
| **92 51 01** | 085126 | 120 x 10 x 11 | | smooth | straight | blunt | 0.13 x 1.9 | 15 |

# Mini Precision Tweezers

## for precision work in confined spaces

> For particularly demanding precision work: tough and highly resistant to corrosion
> Handcrafted: polished edges and an excellent matt, scratch-free and non-reflective surface
> For the electronics industry, watchmakers, jewellers, laboratories with biological and medical applications in moderately aggressive chemical environments
> High-quality premium stainless steel: high temperature resistance and excellent corrosion resistance to most chemicals, salts and acids
> Extra short and lightweight tweezers with narrow tips
> Ideal for working in confined spaces, under the microscope and for precision close work
> Ideal for sample handling, microscopy preparation, sorting, precision manufacturing, electronic assembly, rework and repair
> Premium stainless steel



92 21 04



92 21 05



92 21 06



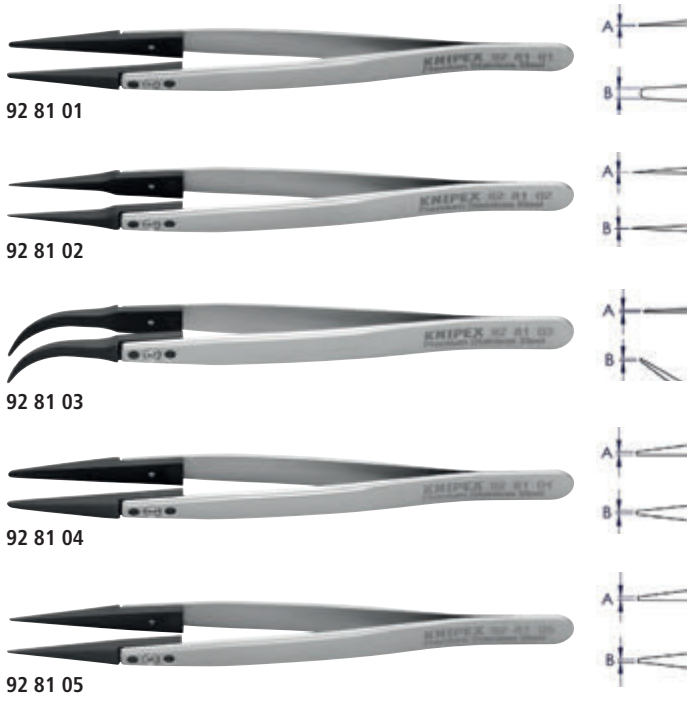
92 51 02

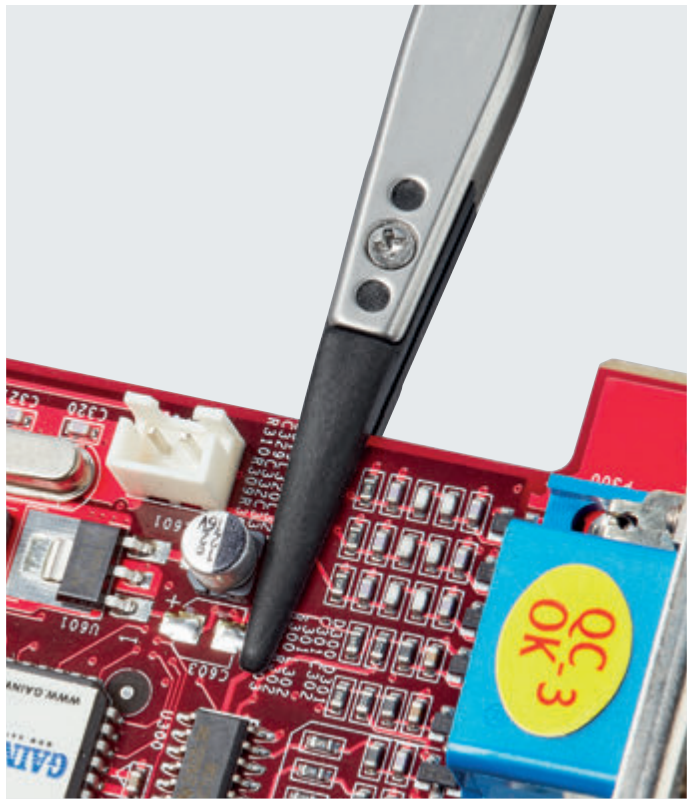
| Article No. | EAN 4003773- | L x D x H mm | Gripping surface | Handles | Finish | Tweezers tip version | Tips width A x B mm | ⚖ g |
|---|---|---|---|---|---|---|---|---|
| **92 21 04** | 087526 | 90 x 8 x 10 | | smooth | straight | needle-point | 0.09 x 0.15 | 9 |
| **92 21 05** | 086703 | 70 x 7 x 7.5 | | smooth | straight | needle-point | 0.1 x 0.2 | 7 |
| **92 21 06** | 086710 | 80 x 6 x 7.5 | | smooth | straight | needle-point | 0.08 x 0.13 | 7 |
| **92 51 02** | 086697 | 70 x 8 x 6.5 | | smooth | straight | blunt | 0.1 x 1.2 | 6 |

# Tweezers with exchangeable tips ESD

## with versatile, exchangeable carbon fibre reinforced tips; electrically dissipative

> For particularly demanding precision work: tough and highly resistant to corrosion
> Maximum surface protection when handling sensitive electronic components, micro-mechanical parts, as well as glass and ceramic components
> For the electronics and precision engineering industries, watchmakers and jewellers
> Handcrafted body: polished edges and an excellent matt, scratch-free and non-reflective surface
> High-quality premium stainless steel body: high temperature resistance and excellent corrosion resistance to most chemicals, salts and acids
> The interchangeable tips are made from 30% carbon fibre reinforced plastic: very good electrical and thermal conductivity, scratch-proof and with high abrasion resistance
> The interchangeable, carbon fibre reinforced plastic tips have a surface resistance between $10^2$ and $10^4$ ohms to compensate in a controlled manner the differences in potential between the operator and electronic components
> The interchangeable tips are permanently temperature stable up to 130 °C, and up to 190 °C for short periods
> The carbon fibre reinforced plastic tips are extremely flexible, fatigue-resistant, vibration-dampening and water-repellent
> The tips have good chemical resistance to most oils, lubricants, fuels and nonpolar solvents
> The same accuracy and stability as regular tweezers: the plastic tips have a 3-point connection with zero backlash (2 fixed points on the arms, one screw), which guarantee the user perfect attachment to the body with zero backlash
> Premium stainless steel



### Interchangeable ESD tips





| Article No. | EAN 4003773- | L x D x H mm | Gripping surface | Handles | Finish | Tweezers tip version | Tips width A x B mm | ⚖ g |
|---|---|---|---|---|---|---|---|---|
| **92 81 01** | 087090 | 130 x 10 x 17 | | smooth | straight | blunt | 0.4 x 2.0 | 17 |
| **92 81 02** | 087113 | 130 x 10 x 17 | | smooth | straight | pointed | 0.4 x 0.6 | 17 |
| **92 81 03** | 087137 | 130 x 15 x 17 | | smooth | bent 60° | pointed | 0.4 x 0.7 | 17 |
| **92 81 04** | 087151 | 130 x 10 x 17 | | smooth | straight | blunt | 1.0 x 2.0 | 17 |
| **92 81 05** | 087175 | 130 x 10 x 17 | | smooth | straight | pointed | 0.7 x 0.6 | 17 |
| **92 89 01** | 087106 | 40 x 8 x 3.5 | Exchangeable ESD tips, for 92 81 01 | | | | | 1 |
| **92 89 02** | 087120 | 40 x 8 x 3.5 | Exchangeable ESD tips, for 92 81 02 | | | | | 1 |
| **92 89 03** | 087144 | 40 x 15 x 3.5 | Exchangeable ESD tips, for 92 81 03 | | | | | 1 |
| **92 89 04** | 087168 | 40 x 8 x 4 | Exchangeable ESD tips, for 92 81 04 | | | | | 1 |
| **92 89 05** | 087182 | 40 x 8 x 3.5 | Exchangeable ESD tips, for 92 81 05 | | | | | 1 |

# Cutting Tweezers

## hard and sharp for finest cutting work

> For particularly demanding precision work: made from high-quality, martensitic hardened steel, tough and highly resistant to corrosion
> Stainless steel with a slim, tapered design for maximum precision when cutting, dissecting and segmenting extremely small objects in tight spaces
> For the electronics industry, as well as repairs and handicrafts
> Mainly used for cutting soft copper, gold or silver wires, as well as magnetic wires
> With extremely hard and sharp oblique cutting nippers
> Also available as an ESD-version: with black epoxy resin coating and a surface resistance between $10^3$ and $10^9$ ohms
> ESD version only: this allows to compansate in a controlled manner the differences in potential between the operator and electronic components

**92 11 01**

> Stainless steel

**92 11 01 ESD**

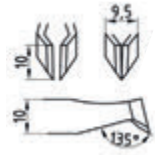
> Stainless steel, DIN EN 61340 -5-1



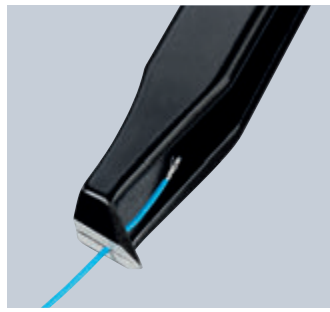
92 11 01




92 11 01 ESD





| Article No. | EAN 4003773- | L x D x H mm | Gripping surface | Handles | Finish | Tweezers tip version | Tips width A x B mm | ⚖ g |
|---|---|---|---|---|---|---|---|---|
| **92 11 01** | 085003 | 115 x 11 x 15 | | smooth | bent | cutting | 4.75 x 10.0 | 26 |
| **92 11 01 ESD** | 086727 | 115 x 11 x 17 | | smooth | bent | cutting | 4.75 x 10.0 | 27 |

# Universal Tweezers

## Ideal for demanding standard applications

> Universal Tweezers are suitable for demanding standard applications and precision tasks
> Wide range of designs: straight, angled, gripping surfaces and handles smooth or serrated, with needle points, narrow or blunt tips, as well as different lengths
> For the electronics industry, watchmakers and jewellers
> High quality stainless steel: extremely tough and very good corrosion resistance against a variety of atmospheric environments and many corrosive materials
> Stainless steel

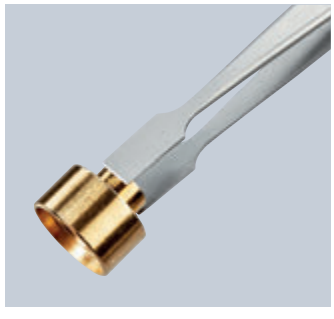
**92 01 05, 92 01 06**

> Premium stainless steel

**92 34 37**

> Steel, black lacquered








92 01 05




92 01 06




92 21 07



92 21 08




92 22 04



92 22 06



92 22 07




92 22 12




92 22 13




92 22 35




92 32 29




92 34 36




92 34 37




92 61 01




92 61 02




92 64 43



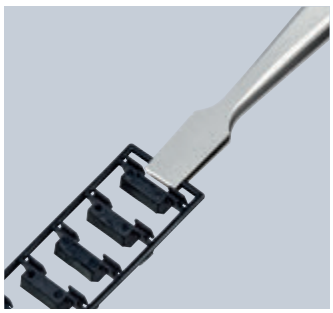

92 72 45

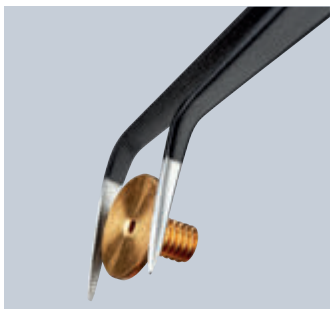



92 84 18




92 52 23





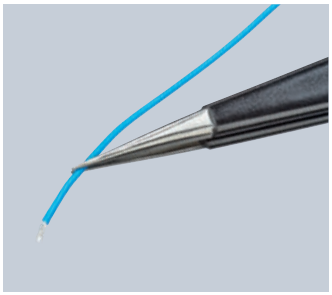


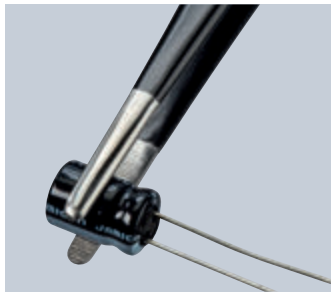
| Article No. | EAN 4003773- | L x D x H mm | Gripping surface | Handles | Finish | Tweezers tip version | Tips width A x B mm | ⚖ g |
|---|---|---|---|---|---|---|---|---|
| **92 01 05** | 086758 | 120 x 10 x 12 | | knurled | straight | blunt | 0.17 x 6.0 | 16 |
| **92 01 06** | 086765 | 120 x 10 x 18 | | knurled | bent 30° | blunt | 0.17 x 6.0 | 16 |
| **92 21 07** | 086734 | 110 x 10 x 10 | | smooth | straight | needle-point | 0.2 x 0.25 | 14 |
| **92 21 08** | 086741 | 140 x 8 x 12 | | smooth | straight | needle-point | 0.2 x 0.3 | 15 |
| **92 22 04** | 054665 | 128 x 12 x 10 | | smooth | straight | pointed | 0.3 x 0.5 | 18 |
| **92 22 06** | 054672 | 120 x 10 x 11 | | smooth | straight | needle-point | 0.25 x 0.25 | 20 |
| **92 22 07** | 054689 | 125 x 11 x 10 | | smooth | straight | needle-point | 0.2 x 0.25 | 17 |
| **92 22 12** | 054696 | 110 x 10 x 11 | | smooth | straight | needle-point | 0.2 x 0.2 | 15 |
| **92 22 13** | 054702 | 130 x 11 x 14 | | smooth | straight | pointed | 0.4 x 0.5 | 21 |
| **92 22 35** | 054719 | 155 x 8 x 18 | | knurled | straight | pointed | 0.5 x 0.5 | 21 |
| **92 32 29** | 054818 | 118 x 10 x 10 | | smooth | bent 35° | needle-point | 0.25 x 0.3 | 15 |
| **92 34 36** | 054832 | 152 x 8 x 18 | | knurled | bent 25° | pointed | 0.5 x 0.5 | 21 |
| **92 34 37** | 054849 | 155 x 8 x 14 | | knurled | bent 25° | pointed | 0.8 x 0.8 | 21 |
| **92 52 23** | 054894 | 118 x 10 x 10 | | smooth | straight | blunt | 0.3 x 2.0 | 16 |
| **92 61 01** | 085119 | 200 x 12 x 20 | | knurled | straight | blunt | 2.0 x 3.2 | 52 |
| **92 61 02** | 085133 | 300 x 15 x 22 | | knurled | straight | blunt | 2.5 x 4.7 | 105 |
| **92 64 43** | 054917 | 120 x 10 x 14 | | knurled | straight | blunt | 1.2 x 2.7 | 17 |
| **92 72 45** | 054962 | 145 x 11 x 15 | | knurled | straight | blunt | 1.3 x 2.7 | 24 |
| **92 84 18** | 054986 | 126 x 11 x 18 | | smooth | straight | blunt | 0.5 x 1.0 | 17 |

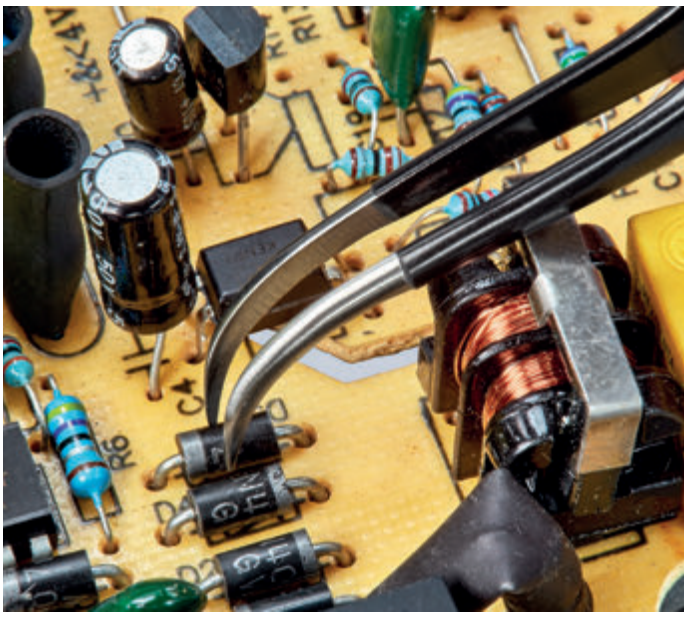
# Universal Tweezers ESD

## DIN EN 61340 -5-1, electrically dissipative, for electronics and fine mechanics

> Electrically dissipative coating: Universal tweezers in the ESD version equalize differences in electrical potential between their user and the workpieces in a controlled manner
> ESD-tested, black epoxy resin coating with a surface resistance between $10^3$ and $10^9$ ohms
> For the electronics and precision engineering industries
> Antimagnetic to avoid electromagnetic damage
> Wide range of designs: straight, angled, gripping surfaces and handles smooth or serrated, with needle points, narrow or blunt tips
> The high quality stainless steel ensures extreme toughness and very good corrosion resistance against a variety of atmospheric environments and many corrosive materials
> Also available as a set (92 00 01 ESD)
> Stainless steel










92 21 01 ESD




92 21 02 ESD




92 21 03 ESD




92 28 69 ESD




92 28 70 ESD




92 28 71 ESD




92 28 72 ESD




92 38 75 ESD




92 58 74 ESD




92 78 77 ESD

| Article No. | EAN 4003773- | L x D x H mm | Gripping surface | Handles | Finish | Tweezers tip version | Tips width A x B mm | ⚖ g |
|---|---|---|---|---|---|---|---|---|
| **92 21 01 ESD** | 086772 | 125 x 11 x 12 | | smooth | straight | needle-point | 0.2 x 0.25 | 17 |
| **92 21 02 ESD** | 086789 | 128 x 12 x 12 | | smooth | straight | pointed | 0.3 x 0.5 | 18 |
| **92 21 03 ESD** | 086796 | 140 x 8 x 14 | | smooth | straight | needle-point | 0.2 x 0.3 | 15 |
| **92 28 69 ESD** | 054771 | 120 x 10 x 13 | | smooth | straight | needle-point | 0.25 x 0.25 | 20 |
| **92 28 70 ESD** | 054788 | 110 x 10 x 12 | | smooth | straight | needle-point | 0.2 x 0.25 | 14 |
| **92 28 71 ESD** | 054795 | 110 x 10 x 12 | | smooth | straight | needle-point | 0.2 x 0.2 | 15 |
| **92 28 72 ESD** | 054801 | 130 x 11 x 14 | | smooth | straight | pointed | 0.4 x 0.5 | 21 |
| **92 38 75 ESD** | 054863 | 118 x 10 x 12 | | smooth | bent 35° | needle-point | 0.25 x 0.3 | 15 |
| **92 58 74 ESD** | 054900 | 118 x 10 x 12 | | smooth | straight | blunt | 0.3 x 2.0 | 16 |
| **92 78 77 ESD** | 054979 | 145 x 11 x 17 | | knurled | straight | blunt | 1.3 x 2.7 | 24 |

# SMD Precision Tweezers

## optimised for electronics work with SMD components

> When working on SMD components (SMD = surface mounted device): the fine geometry of the SMD tweezers also allows work to be carried out on electronic components that can be soldered directly onto the circuit board using solderable connecting surfaces
> Handcrafted: polished edges and an excellent matt, scratch-free and non-reflective surface
> For assembly work, laboratory processes, clean room environments, circuit board repairs and reworking in the electronics industry
> High-quality premium stainless steel: high temperature resistance and excellent corrosion resistance to most chemicals, salts and acids
> Antimagnetic to avoid electromagnetic damage
> The variety of designs and jaw types enables small components to be held, positioned and controlled securely in confined spaces
> Also available as a set (92 00 03)
> Premium stainless steel




**92 01 01**




**92 01 02**




**92 01 03**



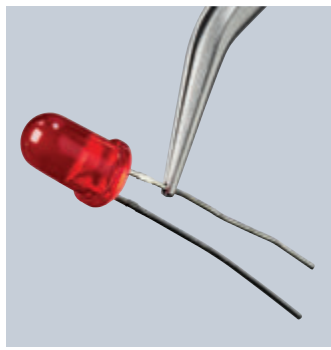

**92 01 04**




**92 02 54**







| Article No. | EAN 4003773- | L x D x H mm | Gripping surface | Handles | Finish | Tweezers tip version | Tips width A x B mm | ⚖ g |
|---|---|---|---|---|---|---|---|---|
| **92 01 01** | 085522 | 115 x 10 x 11 | | smooth | bent 45° | positioning | 0.33 x 1.6 | 15 |
| **92 01 02** | 085539 | 120 x 10 x 11 | | smooth | double bent 35° | positioning | 0.15 x 1.5 | 15 |
| **92 01 03** | 085546 | 120 x 10 x 11 | | smooth | straight | positioning | 0.3 x 1.5 | 15 |
| **92 01 04** | 085591 | 115 x 10 x 11 | | smooth | bent 45° | positioning | 0.5 x 1.5 | 15 |
| **92 02 54** | 054610 | 115 x 10 x 11 | | smooth | bent 30° | positioning | 0.6 x 0.9 | 14 |

# SMD Precision Tweezers ESD

> Allow to compansate in a controlled manner the differences in potential between the operator and electronic components
> With a tested black epoxy resin coating with a surface resistance between $10^3$ and $10^9$ ohms
> Stainless steel




**92 08 78 ESD**

| Article No. | EAN 4003773- | L x D x H mm | Gripping surface | Handles | Finish | Tweezers tip version | Tips width A x B mm | ⚖ g |
|---|---|---|---|---|---|---|---|---|
| **92 08 78 ESD** | 085515 | 118 x 10 x 12 | | smooth | bent 45° | positioning | 0.5 x 2.5 | 18 |



SMD-Technology: technique for soldering surface mounted components on printed circuit boards without using holes

# Positioning Tweezers

## for exact positioning or pulling of small components

> Makes it easy to hold, insert and pull even the smallest elongated components
> With gripping surfaces in dimensionally adapted designs, for example for firmly and securely positioning or pulling sensitive rounded or cuboid components
> For through-hole technology (THT) and pin-in-hole technology (PIH)
> Antimagnetic to avoid electromagnetic damage
> Stainless steel




92 01 07



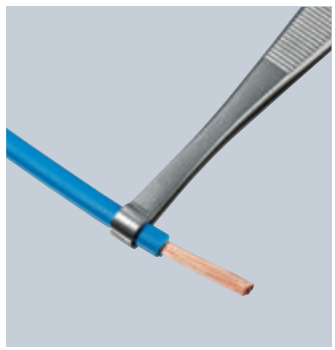

92 11 02




92 11 03







| Article No. | EAN 4003773- | L x D x H mm | Gripping surface | Handles | Finish | Tweezers tip version | Tips width A x B mm | ⚖ g |
|---|---|---|---|---|---|---|---|---|
| **92 01 07** | 086932 | 143 x 11 x 17 | | knurled | bent 90° | positioning | 3.5 x 5.8 | 25 |
| **92 11 02** | 085034 | 145 x 11 x 16.5 | | knurled | straight | positioning | 2.8 x 5.5 | 23 |
| **92 11 03** | 085553 | 122 x 10 x 14.5 | | knurled | straight | positioning | 2.5 x 4.0 | 15 |

# Positioning Tweezers ESD

> Allow to compansate in a controlled manner the differences in potential between the operator and electronic components
> With a tested black epoxy resin coating with a surface resistance between $10^3$ and $10^9$ ohms
> Stainless steel




92 08 79 ESD




92 16 01 ESD




92 16 02 ESD

| Article No. | EAN 4003773- | L x D x H mm | Gripping surface | Handles | Finish | Tweezers tip version | Tips width A x B mm | ⚖ g |
|---|---|---|---|---|---|---|---|---|
| **92 08 79 ESD** | 085584 | 122 x 10 x 14.5 | ESD | knurled | straight | positioning | 2.5 x 4.0 | 15 |
| **92 16 01 ESD** | 086949 | 120 x 10 x 14 | ESD | smooth | bent 35° | positioning | 1.5 x 3.8 | 15 |
| **92 16 02 ESD** | 086956 | 120 x 10 x 14.5 | ESD | smooth | bent 35° | positioning | 2.5 x 4.0 | 15 |

# Titanium Tweezers

## extremely light, heat-, corrosion- and acid-resistant

> Particularly suitable for precision tasks that require corrosion resistance, high strength and low weight
> The high-quality titanium alloy offers high temperature resistance and very good resistance to corrosion in air, sea and a variety of industrial environments at room temperature
> For cleaning or chemical processes, use at high temperatures and in biology, medicine or surgery
> 100 percent anti-magnetic
> Antibacterial
> Titanium




92 23 01




92 23 05

| Article No. | EAN 4003773- | L x D x H mm | Gripping surface | Handles | Finish | Tweezers tip version | Tips width A x B mm | ⚖ g |
|---|---|---|---|---|---|---|---|---|
| **92 23 01** | 085010 | 110 x 10 x 11 | | smooth | straight | needle-point | 0.09 x 0.15 | 7 |
| **92 23 05** | 054726 | 120 x 10 x 11 | | smooth | straight | pointed | 0.3 x 0.5 | 8 |

# Precision Cross Jaw Tweezers

## hold automatically due to their spring force, for filigree work

> Hold automatically: Their spring force makes these holding tweezers perfect for soldering small and very small components, among other uses
> For applications that require a high-precision self-closing function, for example in microscopy or for precision assembly or soldering tasks
> For soldering work on transistors, gold wire diodes, etc.
> Suitable for a wide variety of applications in the electronics industry thanks to perfectly symmetrical tips and excellent balance
> Handcrafted, with an excellent matt, scratch-free and non-reflective surface
> Precision cross jaw tweezers for particularly challenging applications when corrosion resistance and toughness are the main requirements
> The high-quality premium stainless steel versions offer high temperature resistance and excellent corrosion resistance to most chemicals, salts and acids
> Premium stainless steel




92 91 01




92 91 02




92 91 03





| Article No. | EAN 4003773- | L x D x H mm | Gripping surface | Handles | Finish | Tweezers tip version | Tips width A x B mm | ⚖ g |
|---|---|---|---|---|---|---|---|---|
| **92 91 01** | 086802 | 120 x 10 x 11 | | smooth | straight | blunt | 0.13 x 1.9 | 13 |
| **92 91 02** | 086819 | 120 x 10 x 11 | | smooth | straight | needle-point | 0.12 x 0.2 | 12 |
| **92 91 03** | 086826 | 115 x 10 x 11 | | smooth | bent 45° | needle-point | 0.22 x 0.25 | 12 |

# Universal cross jaw tweezers

## hold automatically due to their spring force, ideal helpers for soldering

> Hold automatically: Their spring force makes these holding tweezers perfect for soldering small and very small components, among other uses
> For applications that require a high-precision self-closing function, for example in microscopy or for precision assembly or soldering tasks
> For soldering work on transistors, gold wire diodes, etc.
> Suitable for a wide variety of applications in the electronics industry thanks to perfectly symmetrical tips and excellent balance
> The high quality stainless steel ensures extreme toughness and very good corrosion resistance against a variety of atmospheric environments and many corrosive materials
> Stainless steel



92 94 91



92 95 89



92 95 90

| Article No. | EAN 4003773- | L x D x H mm | Gripping surface | Handles | Finish | Tweezers tip version | Tips width A x B mm | ⚖ g |
|---|---|---|---|---|---|---|---|---|
| **92 94 91** | 055006 | 160 x 11.5 x 13 | | knurled | straight | blunt | 1.3 x 4.5 | 30 |
| **92 95 89** | 055013 | 165 x 11 x 20 | | smooth | straight | blunt | 0.8 x 1.0 | 28 |
| **92 95 90** | 055020 | 162 x 11 x 20 | | knurled | bent 40° | blunt | 0.8 x 1.0 | 28 |

# Plastic Tweezers ESD

## extremely light and robust, electrically dissipative

> ESD tweezers are made of 30% carbon fibre reinforced plastic, are electrically and thermally highly conductive and are characterised by high resistance to abrasion and scratching
> With a surface resistance between $10^2$ and $10^4$ ohms to compensate in a controlled manner the differences in potential between the operator and the electronic components
> Temperature stable up to 130°C, brief exposures of up to 190°C are possible
> The carbon fibre-reinforced plastic is extremely flexible, fatigue-resistant, vibration-reducing and water-repellent, with good chemical resistance to most oils, greases, fuels and nonpolar solvents
> Ideal for maximum surface protection when handling sensitive electronic components, micro-mechanical parts, as well as glass and ceramic components
> Also available as a set (92 00 05 ESD)
> Carbon fibre-reinforced plastic



92 09 01 ESD



92 09 02 ESD



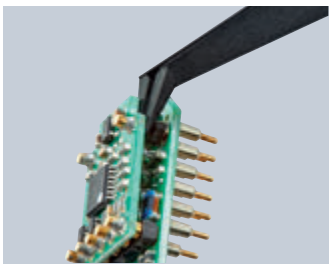
92 09 03 ESD

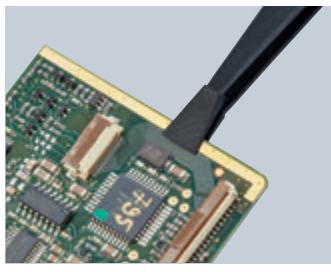


92 09 04 ESD



92 09 05 ESD





| Article No. | EAN 4003773- | L x D x H mm | Gripping surface | Handles | Finish | Tweezers tip version | Tips width A x B x C x D mm | ⚖ g |
|---|---|---|---|---|---|---|---|---|
| **92 09 01 ESD** | 086970 | 115 x 9.5 x 13 | | smooth | straight | blunt | 0.35 x 2.0 | 4 |
| **92 09 02 ESD** | 086987 | 115 x 11.5 x 15 | | smooth | straight | needle-point | 0.5 x 0.3 x 9.5 | 4,5 |
| **92 09 03 ESD** | 086994 | 110 x 11.5 x 15 | | smooth | bent 45° | pointed | 0.5 x 0.4 x 5.8 x 8.5 | 4,5 |
| **92 09 04 ESD** | 087007 | 115 x 11.5 x 15 | | smooth | straight | blunt | 0.12 x 3.3 x 11.5 | 4,5 |
| **92 09 05 ESD** | 087014 | 115 x 11.5 x 15 | | smooth | straight | blunt | 0.12 x 7.7 x 11.3 | 4,5 |

# Plastic Tweezers

## extremely light and robust

> Plastic disposable tweezers for the chemicals, pharmaceuticals or cosmetics sector, food industry and scientific use; ideal for gripping, holding and moving small objects, such as fine tissues, small items or solid samples
> Made of 30% glass fiber reinforced plastic for high strength and flexibility
> Plastic disposable tweezers are characterised by their high temperature resistance and excellent chemical resistance
> The grooved handles ensure optimum safe handling and precision; with internally serrated tips and a particularly wide clamping area
> Plastic




92 69 84



| Article No. | EAN 4003773- | L x D x H mm | Gripping surface | Handles | Finish | Tweezers tip version | Tips width A x B mm | ⚖ g |
|---|---|---|---|---|---|---|---|---|
| **92 69 84** | 054948 | 129 x 13 x 33 | | knurled | straight | blunt | 2.0 x 3.0 | 19 |

# Universal Tweezers, insulated

## DIN EN 60900, IEC 60900, tested protection against electrical voltage up to 1000 V

> With insulated handles for working on electrical installations: safety up to 1000 V
> For a wide range of requirements and applications in the electronics industry
> Individually tested in accordance with 1000 V EN 60900 / IEC 60900 / VDE and approved for work with voltage up to 1000 volts
> The insulation is REACH-compliant and free from phthalates that are harmful to health
> High quality stainless steel: extremely tough and very good corrosion resistance against a variety of atmospheric environments and many corrosive materials
> Also available as a set (92 00 04)
> Stainless steel




92 27 61




92 27 62



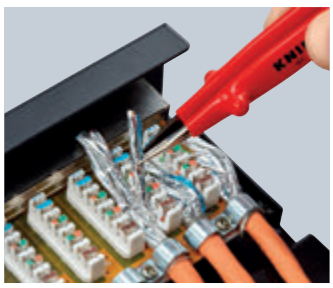

92 37 64

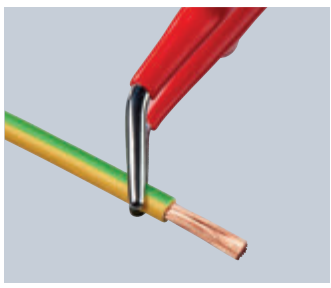



92 47 01




92 67 63





| Article No. | EAN 4003773- | L x D x H mm | Gripping surface | Handles | Finish | Tweezers tip version | Tips width A x B mm | ⚖ g |
|---|---|---|---|---|---|---|---|---|
| **92 27 61** | 054757 | 125 x 11 x 35 | 1000 V | smooth | straight | pointed | 0.5 x 0.5 | 21 |
| **92 27 62** | 054764 | 150 x 8 x 40 | 1000 V | smooth | straight | pointed | 1.0 x 1.3 | 22 |
| **92 37 64** | 054856 | 148 x 14 x 40 | 1000 V | smooth | bent 30° | blunt | 1.0 x 1.3 | 22 |
| **92 47 01** | 086963 | 142 x 16 x 38 | 1000 V | smooth | bent 30° | blunt | 1.3 x 3.0 | 29 |
| **92 67 63** | 054931 | 145 x 11 x 38 | 1000 V | smooth | straight | blunt | 1.3 x 3.0 | 29 |

Pliers with tether attachment point for mounting a fall protection



| | |
|---|---|
| Pliers range with tether attachment point for mounting a fall protection | 274 – 277 |









Effective protection against accidents caused by falling tools. The tether attachment for the multi-component sleeve range.

# The tether attachment point for the range with multi-component handles

Tools can fall down when used on cherry pickers, scaffolding and ladders and when used by industrial climbers working with wire rope hoists.

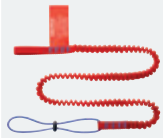
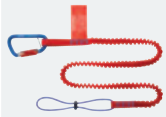
**KNIPEX offers a range of pliers and accessories that can reliably prevent the KNIPEX pliers from falling down.**

There is a very stable tether on the inside of the handles which is welded tightly to the handle for attaching the tether or adapter strap. The lug enables the equipment to be attached and put down quickly. The sophisticated elements from our KNIPEX Tethered Tools Program offer several individual permutations for connection and use.




Tether attachment: dynamic load capacity for a max. fall height of 3 m / 10 ft by a tool from the KNIPEX TT range (or static load with max. 400 N / 90 lb).

TETHERED TOOLS

| | Article No. | Designation | page |
|---|---|---|---|
|  | **00 50 01 T BK** | Tether | |
|  | **00 50 02 T BK** | Adapter Strap | |
|  | **00 50 03 T BK** | Carabiner | |
|  | **00 50 04 T BK** | Tethering System Set | |
|  | **00 50 05 T BK** | | |
|  | **00 50 06 T BK** | | |
|  | **02 02 225 T** | High Leverage Combination Pliers, with multi-component grips, with integrated tether attachment point for a tool tether, DIN ISO 5746 | 5 |
|  | **03 06 180 T** | Combination Pliers, insulated, with multi-component grips, VDE-tested, with integrated tether attachment point for a tool tether, DIN ISO 5746 | 5, 199 |
|  | **08 22 145 T** | Needle-Nose Combination Pliers, with multi-component grips, with integrated tether attachment point for a tool tether, DIN ISO 5746 | 6 |
|  | **08 26 145 T** | Needle-Nose Combination Pliers, insulated, with multi-component grips, VDE-tested, with integrated tether attachment point for a tool tether, DIN ISO 5746 | 6, 200 |
|  | **09 02 240 T** | Lineman's Pliers, American style, with multi-component grips, with integrated tether attachment point for a tool tether, DIN ISO 5746 | 9 |
|  | **09 12 240 T** | Lineman's Pliers, American style, with slim multi-component grips, with integrated tether attachment point for a tool tether, DIN ISO 5746 | 9 |
|  | **11 06 160 T** | Insulation Stripper with opening spring, insulated, with multi-component grips, VDE-tested, with integrated tether attachment point for a tool tether | 20, 200 |
|  | **13 05 160 T** | Electricians' Pliers, with multi-component grips, with integrated tether attachment point for a tool tether | 12 |

| | Article No. | Designation | page |
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|  | **13 66 180 T** PATENTED | KNIPEX StriX® Insulation strippers, with cable shears, insulated, with multi-component grips, VDE-tested, with integrated tether attachment point for a tool tether | 35, 201 |
|  | **13 82 200 T** PATENTED | Pliers for Electrical Installation, with multi-component grips, with integrated tether attachment point for a tool tether | 10 |
|  | **13 96 200 T** PATENTED | Pliers for Electrical Installation, insulated, with multi-component grips, VDE-tested, with integrated tether attachment point for a tool tether | 10, 204 |
|  | **25 06 160 T** | Snipe Nose Side Cutting Pliers (Radio Pliers), insulated, VDE-tested, with integrated tether attachment point for a tool tether, DIN ISO 5745 | 15, 205 |
|  | **26 12 200 T** | Snipe Nose Side Cutting Pliers (Stork Beak Pliers), with multi-component grips, with integrated tether attachment point for a tool tether, DIN ISO 5745 | 16 |
|  | **26 15 200 T** | | 16 |
|  | **26 16 200 T** | Snipe Nose Side Cutting Pliers (Stork Beak Pliers), insulated, with multi-component grips, VDE-tested, with integrated tether attachment point for a tool tether, DIN ISO 5745 | 16, 206 |
|  | **26 22 200 T** | Snipe Nose Side Cutting Pliers (Stork Beak Pliers), with multi-component grips, with integrated tether attachment point for a tool tether, DIN ISO 5745 | 16 |
|  | **26 25 200 T** | | 16 |
|  | **26 26 200 T** | Snipe Nose Side Cutting Pliers (Stork Beak Pliers), with multi-component grips, with integrated tether attachment point for a tool tether, DIN ISO 5745 | 16, 206 |
|  | **38 35 200 T** | Mechanics' Pliers, with multi-component grips, with integrated tether attachment point for a tool tether, DIN ISO 5745 | 53 |
|  | **70 05 180 T** | Diagonal Cutter, with multi-component grips, with integrated tether attachment point for a tool tether, DIN ISO 5749 | 85 |
|  | **70 05 160 T** | | 85 |
|  | **70 06 180 T** | Diagonal Cutter, insulated, with multi-component grips, VDE-tested, with integrated tether attachment point for a tool tether, DIN ISO 5749 | 85, 208 |
|  | **70 06 160 T** | | 85, 208 |

| | Article No. | Designation | page |
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|  | **71 02 200 T** | KNIPEX CoBolt Compact Bolt Cutters, with slim multi-component grips, with integrated tether attachment point for a tool tether | 94 |
|  | **71 22 200 T** | | 95 |
|  | **71 32 200 T** | | 95 |
|  | **73 05 160 T** (PATENTED) | KNIPEX X-Cut® Compact Diagonal Cutter, with multi-component grips, with integrated tether attachment point for a tool tether, DIN ISO 5749 | 87 |
|  | **73 06 160 T** (PATENTED) | KNIPEX X-Cut® Compact Diagonal Cutter, insulated, with multi-component grips, VDE-tested, with integrated tether attachment point for a tool tether, DIN ISO 5749 | 87, 209 |
|  | **74 02 200 T** | High Leverage Diagonal Cutter, with multi-component grips, with integrated tether attachment point for a tool tether, DIN ISO 5749 | 88 |
|  | **74 02 250 T** | | 88 |
|  | **74 06 200 T** | High Leverage Diagonal Cutter, insulated, with multi-component grips, VDE-tested, with integrated tether attachment point for a tool tether, DIN ISO 5749 | 88, 209 |
|  | **74 06 250 T** | | 88, 209 |
|  | **74 22 200 T** | High Leverage Diagonal Cutter, with multi-component grips, with integrated tether attachment point for a tool tether, DIN ISO 5749 | 88 |
|  | **74 22 250 T** | | 88 |
|  | **86 05 180 T** | Pliers Wrench, Pliers and a wrench in a single tool, with multi-component grips, with integrated tether attachment point for a tool tether | 104 |
|  | **86 05 250 T** | | 104 |
|  | **87 02 180 T** | KNIPEX Cobra® Hightech Water Pump Pliers, with multi-component grips, with integrated tether attachment point for a tool tether, DIN ISO 8976 | 110 |
|  | **87 02 300 T** | KNIPEX Cobra® Hightech Water Pump Pliers, with multi-component grips, with integrated tether attachment point for a tool tether, DIN ISO 8976 | 110 |
|  | **87 02 250 T** | | 110 |
|  | **87 26 250 T** | KNIPEX Cobra® VDE Hightech Water Pump Pliers, insulated, VDE-tested, with integrated tether attachment point for a tool tether, DIN ISO 8976 | 115, 211 |

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|  | **88 02 250 T** | KNIPEX Alligator® Water Pump Pliers, with slim multi-component grips, with integrated tether attachment point for a tool tether, DIN ISO 8976 | 116 |
|  | **88 02 300 T** | KNIPEX Alligator® Water Pump Pliers, with multi-component grips, with integrated tether attachment point for a tool tether, DIN ISO 8976 | 116 |
|  | **95 12 165 T** | Cable Shears, with multi-component grips, with integrated tether attachment point for a tool tether | 150 |
|  | **95 16 165 T** | Cable Shears, insulated, with multi-component grips, VDE-tested, with integrated tether attachment point for a tool tether | 150, 213 |
|  | **95 62 190 T** | Wire Rope Cutter, forged, with multi-component grips, with integrated tether attachment point for a tool tether | 160 |
|  | **97 78 180 T** | Crimping Pliers for wire ferrules, insulated, with multi-component grips, VDE-tested, with integrated tether attachment point for a tool tether | 184, 260 |

# Tool Assortment and Tool Cases



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# Tool Roll

## Essential for work on electrical systems: 15-piece basic tool kit in practical roll-up bag

> 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
> Dimensions, open (L x H): 830 x 310 mm



**98 99 13**

| Article No. | EAN 4003773- | | | | Number | 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 | |
| | | | 26 17 200 | Snipe Nose Side Cutting Pliers (Stork Beak Pliers) | 1 | |
| | | | 70 07 160 | Diagonal Cutter | 1 | |
| | | | 95 17 200 | Cable Shears with twin cutting edge | 1 | |
| | | | 98 00 10 | Open-end wrench | 1 | |
| | | | 98 00 13 | | 1 | |
| | | 1000 V | 98 00 14 | | 1 | |
| | | | 98 00 17 | | 1 | |
| | | | 98 00 19 | | 1 | |
| | | | 98 20 25 | Screwdrivers for slotted screws | 1 | |
| | | | 98 20 40 | | 1 | |
| | | 1000 V | 98 20 55 | | 1 | |
| | | | 98 20 65 | | 1 | |
| | | 1000 V | 98 52 | Cable Knife | 1 | |
| **98 99 13 LE** | 028888 | Tool Roll, empty | | | | 325 |

# Tool Roll

## Handy, ideally equipped: eleven-piece set of tools for telecommunications and electrical engineers

> For telecommunications and electrical engineers
> Tool roll made of hard-wearing polyester fabric
> With practical, adjustable quick release fastener
> Contains eight pliers and three scewdrivers
> Pliers with chrome-plated heads and two-colour dual component handles
> Screwdrivers VDE tested according to DIN EN/IEC 60900 1000V
> Dimensions, open (L x H): 450 x 290 mm



**00 19 41**

| Article No. | EAN 4003773- | | | | Number | g |
|---|---|---|---|---|---|---|
| **00 19 41** | 024729 | | Tool Roll, 11 parts | | | 1620 |
| | | | 03 05 160 | Combination Pliers | 1 | |
| | | | 11 05 160 | Insulation Stripper | 1 | |
| | | | 25 05 160 | Snipe Nose Side Cutting Pliers (Radio Pliers) | 1 | |
| | | | 30 15 160 | Long Nose Pliers | 1 | |
| | | | 30 35 160 | | 1 | |
| | | | 31 15 160 | Flat Nose Pliers (Needle-Nose Pliers) | 1 | |
| | | | 67 05 140 | High Leverage End Cutting Nipper | 1 | |
| | | | 70 05 140 | Diagonal Cutter | 1 | |
| | | 1000 V | 98 20 25 | Screwdrivers for slotted screws | 1 | |
| | | | 98 20 40 | | 1 | |
| | | 1000 V | 98 24 01 | Screwdriver for cross recessed screws, Phillips® | 1 | |
| **00 19 41 LE** | 035930 | Tool Roll, empty | | | | 205 |

# Pliers Wrench Set



## All-purpose tool in a set: five pliers wrenches in space-saving roll-up bag

> Tool roll made of hard-wearing polyester fabric
> With hook-and-loop fastener
> Equipped with pliers wrenches in five different lengths from 125 to 300 mm
> Dimensions, open (L x H): 430 x 325 mm



**00 19 55 S4**



**00 19 55 S6**



**00 19 55 S7**

| Article No. | EAN 4003773- | | | g |
|---|---|---|---|---|
| **00 19 55 S4** | 077817 | | Pliers Wrench Set, 5 parts (1x 86 03 125, 1x 86 03 150, 1x 86 03 180, 1x 86 03 250, 1x 86 03 300) | 1925 |
| **00 19 55 S6** | 086505 | | Pliers Wrench Set, 3 parts (1x 86 03 125, 1x 86 03 180, 1x 86 03 250) | 1030 |
| **00 19 55 S7** | 086512 | | Pliers Wrench Set, 3 parts (1x 86 03 150, 1x 86 03 250, 1x 86 03 300) | 1520 |
| **00 19 55 S4 LE** | 077824 | Roll-up case for pliers wrenches, empty, 6 compartments | | 260 |
| **00 19 55 S6 LE** | 086482 | Roll-up case for pliers wrenches, empty, 4 compartments | | 220 |

# KNIPEX Cobra® Set



## Gripping set for professionals: five KNIPEX Cobra® pliers in hard-wearing roll-up bag

> High-quality roll-up bag made from durable polyester fabric
> With hook-and-loop fastener
> Equipped with KNIPEX Cobra® high-tech water pump pliers in five different lengths from 125 to 300 mm
> Dimensions, open (L x H): 430 x 325 mm



**00 19 55 S5**



**00 19 55 S8**



**00 19 55 S9**

| Article No. | EAN 4003773- | | | g |
|---|---|---|---|---|
| **00 19 55 S5** | 082613 | | KNIPEX Cobra® Set, 5 parts (1x 87 01 125, 1x 87 01 150, 1x 87 01 180, 1x 87 01 250, 1x 87 01 300) | 1567 |
| **00 19 55 S8** | 086529 | | KNIPEX Cobra® Set, 3 parts (1x 87 01 125, 1x 87 01 180, 1x 87 01 250) | 1255 |
| **00 19 55 S9** | 086536 | | KNIPEX Cobra® Set, 3 parts (1x 87 01 150, 1x 87 01 250, 1x 87 01 300) | 1255 |
| **00 19 55 S5 LE** | 082620 | Roll-up case for KNIPEX Cobra®, empty, 6 compartments | | 260 |
| **00 19 55 S8 LE** | 086499 | Roll-up case for KNIPEX Cobra®, empty, 4 compartments | | 220 |

# Set of Circlip Pliers

## Compactly packed: four-piece circlip plier sets in practical roll-up bag

> Tool roll made of hard-wearing polyester fabric
> With practical, adjustable quick release fastener
> Dimensions, open (L x H): 315 x 275 mm



**00 19 56**



**00 19 57**



**00 19 56 V01**



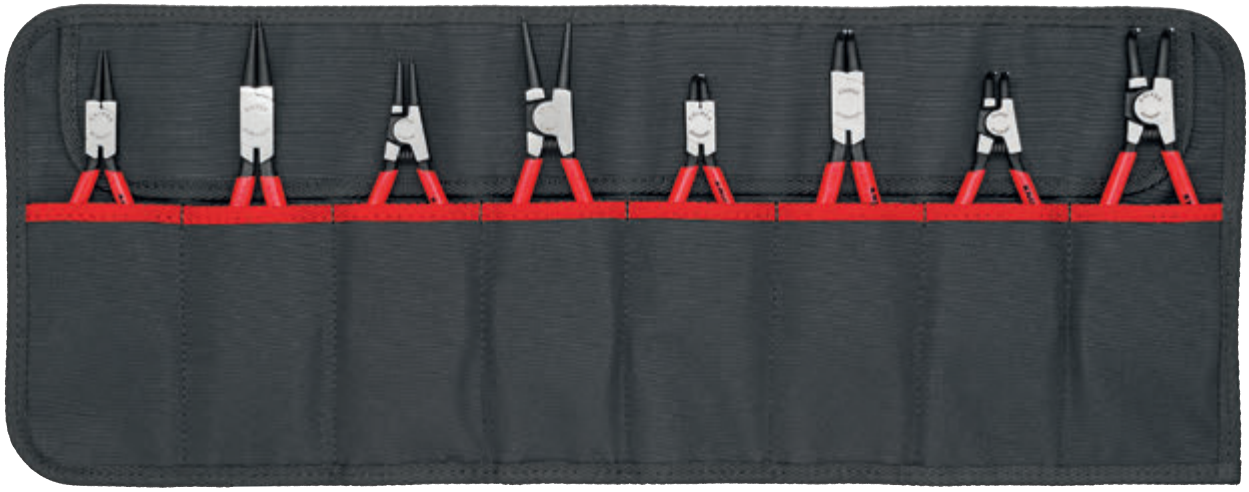
**00 19 57 V01**

| Article No. | EAN 4003773- | | | | Style | Capacity Ø mm | Tips Ø mm | Number | ⚖ g |
|---|---|---|---|---|---|---|---|---|---|
| **00 19 56** | 030973 | | Set of Circlip Pliers, 4 parts | | | | | | 670 |
| | | | 44 11 J2 | Circlip Pliers, for internal circlips in bore holes | straight tips | 19 - 60 | 1.8 | 1 | |
| | | 90° | 44 21 J21 | | angled tips | 19 - 60 | 1.8 | 1 | |
| | | | 46 11 A2 | Circlip Pliers, for external circlips on shafts | straight tips | 19 - 60 | 1.8 | 1 | |
| | | 90° | 46 21 A21 | | angled tips | 19 - 60 | 1.8 | 1 | |
| **00 19 56 V01** | 081548 | | Set of Circlip Pliers, 4 parts | | | | | | 615 |
| | | | 44 11 J1 | Circlip Pliers, for internal circlips in bore holes | straight tips | 12 - 25 | 1.3 | 1 | |
| | | | 44 11 J2 | | | 19 - 60 | 1.8 | 1 | |
| | | | 46 11 A1 | Circlip Pliers, for external circlips on shafts | | 10 - 25 | 1.3 | 1 | |
| | | | 46 11 A2 | | | 19 - 60 | 1.8 | 1 | |
| **00 19 57** | 050056 | | Set of Circlip Pliers, 4 parts | | | | | | 665 |
| | | | 48 11 J1 | Circlip Pliers, for internal circlips in bore holes | straight tips | 12 - 25 | 1.3 | 1 | |
| | | | 48 11 J2 | | | 19 - 60 | 1.8 | 1 | |
| | | | 49 11 A1 | Circlip Pliers, for external circlips on shafts | | 10 - 25 | 1.3 | 1 | |
| | | | 49 11 A2 | | | 19 - 60 | 1.8 | 1 | |
| **00 19 57 V01** | 081555 | | Set of Circlip Pliers, 4 parts | | | | | | 871 |
| | | | 48 11 J2 | Circlip Pliers, for internal circlips in bore holes | straight tips | 19 - 60 | 1.3 | 1 | |
| | | 90° | 48 21 J21 | | bent tips | 19 - 60 | 1.8 | 1 | |
| | | | 49 11 A2 | Circlip Pliers, for external circlips on shafts | straight tips | 19 - 60 | 1.3 | 1 | |
| | | 90° | 49 21 A21 | | bent tips | 19 - 60 | 1.8 | 1 | |
| **00 19 56 LE** | 035954 | | Tool Roll, empty, 4 compartments | | | | | | 171 |

# Set of Circlip Pliers

## Handy storage: eight-piece range in space-saving roll-up bag

> Tool roll made of hard-wearing polyester fabric
> With practical, adjustable quick release fastener
> Dimensions, open (L x H): 610 x 240 mm



**00 19 57 V01**




**00 19 58 V02**

| Article No. | EAN 4003773- | | | | Style | Capacity Ø mm | Tips Ø mm | Number | g |
|---|---|---|---|---|---|---|---|---|---|
| **00 19 58 V01** | 081562 | | Set of Circlip Pliers, 8 parts | | | | | | 1156 |
| | | | 44 11 J1 | Circlip Pliers, for internal circlips in bore holes | straight tips | 12 - 25 | 1.3 | 1 | |
| | | | 44 11 J2 | | | 19 - 60 | 1.8 | 1 | |
| | | 90° | 44 21 J11 | | angled tips | 12 - 25 | 1.3 | 1 | |
| | | 90° | 44 21 J21 | | | 19 - 60 | 1.8 | 1 | |
| | | | 46 11 A1 | Circlip Pliers, for external circlips on shafts | straight tips | 10 - 25 | 1.3 | 1 | |
| | | | 46 11 A2 | | | 19 - 60 | 1.8 | 1 | |
| | | 90° | 46 21 A11 | | angled tips | 10 - 25 | 1.3 | 1 | |
| | | 90° | 46 21 A21 | | | 19 - 60 | 1.8 | 1 | |
| **00 19 58 V02** | 081579 | | Set of Circlip Pliers, 8 parts | | | | | | 1357 |
| | | | 48 11 J1 | Circlip Pliers, for internal circlips in bore holes | straight tips | 12 - 25 | 1.3 | 1 | |
| | | | 48 11 J2 | | | 19 - 60 | 1.8 | 1 | |
| | | 90° | 48 21 J11 | | angled tips | 12 - 25 | 1.3 | 1 | |
| | | 90° | 48 21 J21 | | | 19 - 60 | 1.8 | 1 | |
| | | | 49 11 A1 | Circlip Pliers, for external circlips on shafts | straight tips | 10 - 25 | 1.3 | 1 | |
| | | | 49 11 A2 | | | 19 - 60 | 1.8 | 1 | |
| | | 90° | 49 21 A11 | | angled tips | 10 - 25 | 1.3 | 1 | |
| | | 90° | 49 21 A21 | | | 19 - 60 | 1.8 | 1 | |
| **00 19 58 LE** | 081920 | | Tool Roll, empty, 8 compartments | | | | | | 281 |

# Mini Pliers Set XS in belt pouch

## Compact. Practical. Robust.

- Always to hand, always useful: Pliers Wrench XS and KNIPEX Cobra® XS in a practical belt pouch
- Tool bag made from durable polyester fabric, with hook-and-loop fastener and belt loop

> With Pliers Wrench XS: 100 mm tool length, parallel jaw opening gently grips up to 21 mm width across flats
> With KNIPEX Cobra® XS: 100 mm tool length, grips round workpieces up to 28 mm, with self-locking effect
> Dimensions (W x H x D): 30 x 110 x 45 mm




**00 20 72 V04 XS**




**00 19 72 XS LE**



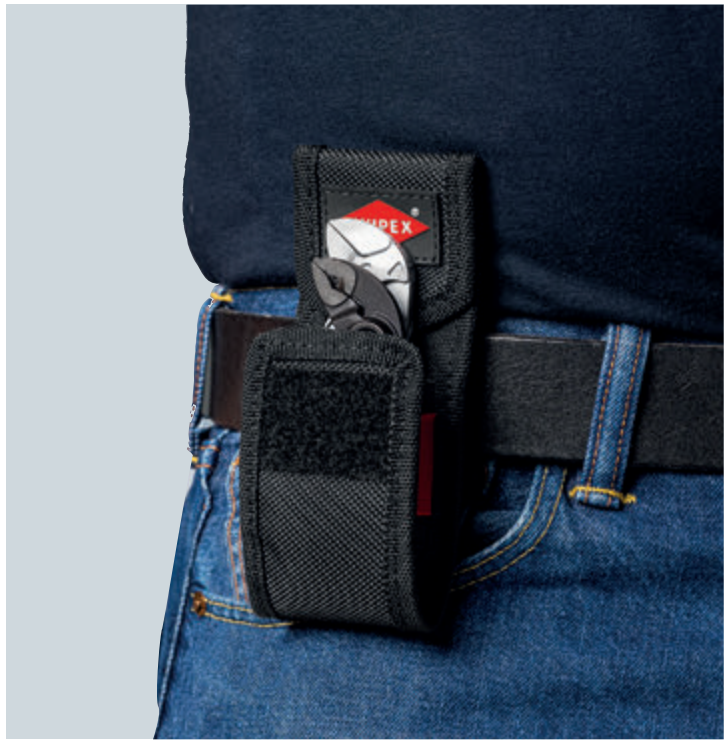


Large capacity, precise grip: As the jaws always grip in parallel, the Pliers Wrench XS is particularly gentle on hex heads with decorative finishes in sizes up to 21 mm width across flats.





Amazing flexibility: The self-locking effect of the KNIPEX Cobra® XS enables it to grip round materials up to Ø 28 mm extremely reliably – and, due to its very slim head, it can also hold small components in place.



Both tools are held securely in the practical tool bag due to a robust hook-and-loop fastener – and yet close at hand.

| Article No. | EAN 4003773- | | | | Number | ⚖ g |
|---|---|---|---|---|---|---|
| **00 20 72 V04 XS** | 087328 | | Mini Pliers Set XS in belt pouch, 2 parts | | | 175 |
| | | PATENTED | 86 04 100 | Pliers Wrench XS, pliers and a wrench in a single tool | 1 | |
| | | PATENTED | 87 00 100 | KNIPEX Cobra® XS, Hightech-Water Pump Pliers | 1 | |
| **00 19 72 XS LE** | 087335 | Tool belt pouch, empty | | | 1 | 45 |

# Mini Pliers Sets

## Small pliers for big jobs: mini pliers sets in practical tool belt pouch

> Tool bag made from durable polyester fabric, with hook-and-loop fastener and belt clip
> Dimensions (W x H x D): 75 x 180 x 55 mm



**00 19 72 V01**



**00 20 72 V01**



**00 20 72 V02**



**00 20 72 V04**



**00 20 72 V06**



KNIPEX Cobra®: with fine adjustment directly on the workpiece



Needle-Nose Combination Pliers: the convex gripping surface on one side makes this the ideal tool for gripping flat parts



The cable tie can be safely gripped and compressed with the laser-tooled jaws



All edges on the pliers head are specially rounded – unintentional damage to the insulation is avoided

| Article No. | EAN 4003773- | | | | Number | ⚖ g |
|---|---|---|---|---|---|---|
| **00 19 72 V01** | 070832 | | Cable Tie Cutting Set, 2 parts | | | 350 |
| | | | 86 03 150 S02 | Pliers Wrench | 1 | |
| | | | 79 02 125 S1 | Precision Electronics Diagonal Cutters | 1 | |
| **00 20 72 V01** | 070832 | | Mini pliers set in belt tool pouch , 2 parts | | | 350 |
| | | | 86 03 150 | Pliers Wrench | 1 | |
| | | | 87 01 125 | KNIPEX Cobra®, Hightech-Water Pump Pliers | 1 | |
| **00 20 72 V02** | 075851 | | Mini pliers set in belt tool pouch , 2 parts | | | 390 |
| | | | 74 01 160 | High Leverage Diagonal Cutter | 1 | |
| | | | 87 01 150 | KNIPEX Cobra®, Hightech-Water Pump Pliers | 1 | |
| **00 20 72 V04** | 078920 | | Mini pliers set in belt tool pouch , 2 parts | | | 264 |
| | | | 86 03 125 | Pliers Wrench | 1 | |
| | | | 87 01 125 | KNIPEX Cobra®, Hightech-Water Pump Pliers | 1 | |
| **00 20 72 V06** | 081937 | | Mini pliers set in belt tool pouch , 2 parts | | | 355 |
| | | PATENTED | 08 22 145 | Needle-Nose Combination Pliers | 1 | |
| | | | 87 01 150 | KNIPEX Cobra®, Hightech-Water Pump Pliers | 1 | |
| **00 19 72 LE** | 070191 | Belt Pouch for two pliers up to 160 mm length, empty | | | | 65 |

# Case for Electronics Pliers

## Ideal for precision mechanical work: precision tools in a practical bag

> Dimensions, closed (W x H x D): 215 x 160 x 50 mm

**00 20 16**
7 parts, contains 6 electronics pliers and one pair of precision tweezers; case made of hard-wearing polyester fabric, pliers are held by elastic band, zippered

**00 20 16 P**
6 parts, contains 6 precision electronics pliers; case made of hard-wearing polyester fabric, pliers are held by elastic band, zippered

**00 20 16 P ESD**
6 parts, contains 6 ESD precision electronics pliers, electrically discharging version; case made of hard-wearing polyester fabric, pliers are held by elastic band, zippered

**00 20 17**
6 parts, contains 6 ESD electronics pliers, electrically discharging version; case made of hard-wearing polyester fabric, pliers are held by elastic band, zippered

**00 20 18**
8 parts, contains 2 electronics pliers and 6 electronics screwdrivers; practical storage box, shock-resistant plastic, with foam insert

**00 20 18 ESD**
8 parts, contains 2 electronics pliers and 6 electronics screwdrivers, ESD electrically discharging version; practical storage box, shock-resistant plastic, with foam insert



**00 20 16**



**00 20 16 P**



**00 20 16 P ESD**



**00 20 17**



**00 20 18**



**00 20 18 ESD**

| Article No. | EAN 4003773- | Contents | ⚖ g |
|---|---|---|---|
| **00 20 16** | 022619 | 35 12 115 / 35 22 115 / 35 32 115 / 64 32 120 / 77 02 115 / 77 42 115 / 92 34 36 | 720 |
| **00 20 16 P** | 063223 | 34 12 130 / 34 22 130 / 34 32 130 / 79 02 120 / 79 02 120 / 79 02 125 / 79 42 125 | 575 |
| **00 20 16 P ESD** | 063230 | 34 12 130 ESD / 34 22 130 ESD / 34 32 130 ESD / 79 02 120 ESD / 79 02 125 ESD / 79 42 125 ESD | 585 |
| **00 20 17** | 031222 | 35 12 115 ESD / 35 22 115 ESD / 35 42 115 ESD / 64 32 120 ESD / 77 02 115 ESD / 77 32 115 ESD | 695 |
| **00 20 18** | 033073 | 35 22 115 / 77 02 115 / screw drivers 0,4 x 2,5 / 0,5 x 3,0 / 0,6 x 3,5 / 0,8 x 4,0 / PH0 / PH1 | 460 |
| **00 20 18 ESD** | 051848 | 35 22 115 ESD / 77 02 115 ESD / screw drivers 0,4 x 2,5 / 0,5 x 3,0 / 0,6 x 3,5 / 0,8 x 4,0 / PH0 / PH1 | 465 |

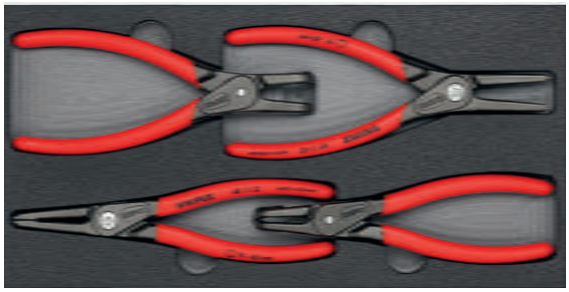
# Pliers Sets in a foam tray

## Ideally stored and versatile: plier sets in matching foam insert for workbench and workshop trolley

> In a foam tray for workbenches and tool trolleys
> Clearly organised storage of tools
> Precisely-sized recesses for holding the pliers
> Foam tray dimensions (W x H x D): 335 x 33 x 165 mm
> Material: two colour, closed pore foam



**00 20 01 V02** Set of pliers “SRZ”



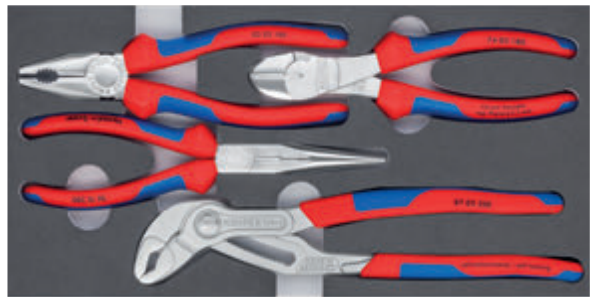
**00 20 01 V09** Set of pliers “SRZ II”



**00 20 01 V15** Set of pliers “Basic”



**00 20 01 V16** Set of pliers “KFZ”



**00 20 01 V17** Set of pliers “Basic Chrom”

| Article No. | EAN 4003773- | | | | Number | g |
|---|---|---|---|---|---|---|
| **00 20 01 V02** | 069652 | | Set of pliers “SRZ”, six precision circlip pliers in a foam tray | | | 915 |
| | | | 48 11 J1 | Circlip pliers, for internal circlips in bore holes | 1 | |
| | | | 48 11 J2 | | 1 | |
| | | 90° | 48 21 J21 | | 1 | |
| | | | 49 11 A1 | Circlip pliers, for external circlips on shafts | 1 | |
| | | | 49 11 A2 | | 1 | |
| | | 90° | 49 21 A21 | | 1 | |
| **00 20 01 V09** | 073291 | | Set of pliers “SRZ II”, four precision circlip pliers in a foam tray | | | 820 |
| | | | 48 11 J2 | Circlip pliers, for internal circlips in bore holes | 1 | |
| | | 90° | 48 21 J21 | | 1 | |
| | | | 49 11 A2 | Circlip pliers, for external circlips on shafts | 1 | |
| | | 90° | 49 21 A21 | | 1 | |
| **00 20 01 V15** | 081586 | | Set of pliers “Basic”, four precision circlip pliers in a foam tray | | | 1121 |
| | | | 03 02 180 | Combination Pliers | 1 | |
| | | | 26 12 200 | Snipe Nose Side Cutting Pliers (Stork Beak Pliers) | 1 | |
| | | | 74 02 180 | High Leverage Diagonal Cutter | 1 | |
| | | | 87 01 250 | KNIPEX Cobra®, Hightech-Water Pump Pliers | 1 | |
| **00 20 01 V16** | 081593 | | Set of pliers “KFZ”, four precision circlip pliers in a foam tray | | | 850 |
| | | PATENTED | 08 21 145 | Needle-Nose Combination Pliers | 1 | |
| | | | 74 01 180 | High Leverage Diagonal Cutter | 1 | |
| | | | 28 71 280 | Long Reach Needle Nose Pliers, with transverse profiles | 1 | |
| | | 45° | 28 81 280 | | 1 | |
| **00 20 01 V17** | 081944 | | Set of pliers “Basic Chrom”, four precision circlip pliers in a foam tray | | | 1140 |
| | | | 03 05 180 | Combination Pliers | 1 | |
| | | | 26 15 200 | Snipe Nose Side Cutting Pliers (Stork Beak Pliers) | 1 | |
| | | | 74 05 180 | High Leverage Diagonal Cutter | 1 | |
| | | | 87 05 250 | KNIPEX Cobra®, Hightech-Water Pump Pliers | 1 | |

# Precision Circlip Pliers Set

> Attractive sales packaging with Euro standard perforation
> Contains common Precision Circlip Pliers for highest requirements
> Sturdy plastic packaging, also suitable for storage of the pliers



00 20 03 SB



00 20 04 SB

| Article No. | EAN 4003773- | | | | Style | Capacity Ø mm | Tips Ø mm | Quantity | g |
|---|---|---|---|---|---|---|---|---|---|
| **00 20 03 SB** | 050100 | | Precision Circlip Pliers Set | | | | | | 685 |
| | | | 48 11 J1 | Precision Circlip Pliers, for internal circlips in bore holes | straight tips | 12 - 25 | 1.3 | 1 | |
| | | | 48 11 J2 | | | 19 - 60 | 1.8 | 1 | |
| | | | 49 11 A1 | Precision Circlip Pliers, for external circlips on shafts | | 10 - 25 | 1.3 | 1 | |
| | | | 49 11 A2 | | | 19 - 60 | 1.8 | 1 | |
| **00 20 04 SB** | 062417 | | Precision Circlip Pliers Set | | | | | | 1275 |
| | | | 48 11 J1 | Precision Circlip Pliers, for internal circlips in bore holes | straight tips | 12 - 25 | 1.3 | 1 | |
| | | | 48 11 J2 | | | 19 - 60 | 1.8 | 1 | |
| | | | 49 11 A1 | Precision Circlip Pliers, for external circlips on shafts | | 10 - 25 | 1.3 | 1 | |
| | | | 49 11 A2 | | | 19 - 60 | 1.8 | 1 | |
| | | | 48 21 J11 | Precision Circlip Pliers, for internal circlips in bore holes | angled tips | 12 - 25 | 1.3 | 1 | |
| | | | 48 21 J21 | | | 19 - 60 | 1.8 | 1 | |
| | | | 49 21 A11 | Precision Circlip Pliers, for external circlips on shafts | | 12 - 25 | 1.3 | 1 | |
| | | | 49 21 A21 | | | 19 - 60 | 1.8 | 1 | |

# Set of Circlip Pliers

> Attractive sales packaging with Euro standard perforation
> Contains common Circlip Pliers for internal and external circlips
> Sturdy plastic packaging, also suitable for storage of the pliers



00 20 03 V02



00 20 04 V01

| Article No. | EAN 4003773- | | | | Style | Capacity Ø mm | Tips Ø mm | Quantity | g |
|---|---|---|---|---|---|---|---|---|---|
| **00 20 03 V02** | 077640 | | Set of Circlip Pliers | | | | | | 450 |
| | | | 44 11 J1 | Circlip Pliers, for internal circlips in bore holes | straight tips | 12 - 25 | 1.3 | 1 | |
| | | | 44 11 J2 | | | 19 - 60 | 1.8 | 1 | |
| | | | 46 11 A1 | Circlip Pliers, for external circlips on shafts | | 10 - 25 | 1.3 | 1 | |
| | | | 46 11 A2 | | | 19 - 60 | 1.8 | 1 | |
| **00 20 04 V01** | 077633 | | Set of Circlip Pliers | | | | | | 890 |
| | | | 44 11 J1 | Circlip Pliers, for internal circlips in bore holes | straight tips | 12 - 25 | 1.3 | 1 | |
| | | | 44 11 J2 | | | 19 - 60 | 1.8 | 1 | |
| | | | 46 11 A1 | Circlip Pliers, for external circlips on shafts | | 10 - 25 | 1.3 | 1 | |
| | | | 46 11 A2 | | | 19 - 60 | 1.8 | 1 | |
| | | | 44 21 J11 | Circlip Pliers, for internal circlips in bore holes | angled tips | 12 - 25 | 1.3 | 1 | |
| | | | 44 21 J21 | | | 19 - 60 | 1.8 | 1 | |
| | | | 46 21 A11 | Circlip Pliers, for external circlips on shafts | | 10 - 25 | 1.3 | 1 | |
| | | | 46 21 A21 | | | 19 - 60 | 1.8 | 1 | |

# Tool Sets in a blister



00 31 30 BK V01



00 31 30 BK V02



00 31 30 BK V03

| Article No. | EAN 4003773- | | | | Number | g |
|---|---|---|---|---|---|---|
| **00 31 30 BK V01** | 086574 | | Electrical Installations Set, 3 parts | | | 635 |
| | | 1000 V PATENTED | 13 86 200 | Pliers for Electrical Installation | 1 | |
| | | PATENTED | 16 95 01 | KNIPEX ErgoStrip®, Universal Stripping Tool | 1 | |
| | | 1000 V | 70 06 160 | Diagonal Cutter | 1 | |
| **00 31 30 BK V02** | 087892 | | Electrical Cutting Set, 3 parts | | | 600 |
| | | 1000 V | 70 06 160 | Diagonal Cutter | 1 | |
| | | 1000 V | 78 06 125 | Electronic Super Knips VDE | 1 | |
| | | 1000 V | 95 16 160 | KNIPEX StepCut® Cable Shears | 1 | |
| **00 31 30 BK V03** | 087885 | | Electrical Cutting Set, 3 parts | | | 760 |
| | | 1000 V | 11 06 160 | Insulation Stripper | 1 | |
| | | 1000 V 40° | 26 16 200 | Snipe Nose Side Cutting Pliers (Stork Beak Pliers) | 1 | |
| | | 1000 V | 70 06 160 | Diagonal Cutter | 1 | |

# Extension sets Electric

## Extension set "Electric 1"

Amplify your tool range with 10 additional brand tools

**KNIPEX**: KNIPEX TwinKey®; VDE High Leverage Diagonal Cutter 200 mm; VDE Snipe Nose Side Cutting Pliers 200 mm, bent; VDE Cable shears 165 ; VDE screwdrivers PlusMinus PZ/S #1; VDE screwdrivers PlusMinus PZ/S #2
**Stabila:** Pocket Electric
**Others:** Wooden folding rule 2 m



| Artikel-Nr. | EAN 4003773- | g |
|---|---|---|
| **00 20 90 V01** | 084693 | 1415 |

## Extension set "Electric 2"

Amplify your tool range with 13 additional brand tools

**KNIPEX:** KNIPEX TwinKey®; VDE High Leverage Diagonal Cutter 200 mm; VDE Snipe Nose Side Cutting Pliers 200 mm, bent; VDE Cable shears 165 mm; KNIPEX Cobra® 180 mm; KNIPEX ErgoStrip® – Universal Stripping Tool; VDE Electronic Super Knips; Automatic Insulation Stripper; Crimping Pliers for wire ferrules; VDE screwdrivers PlusMinus PZ/S #1; VDE screwdrivers PlusMinus PZ/S #2
**Stabila:** Pocket Electric
**Others:** Wooden folding rule 2 m



| Artikel-Nr. | EAN 4003773- | g |
|---|---|---|
| **00 20 90 V02** | 084709 | 1915 |

# Tool Kits

> Tools in a plastic deep-drawn tray with transparent lid
> Attractive sales packaging with Euro standard perforation
> Dimensions (W x H x D): 170 x 370 x 40 mm



**00 20 09 V01 Bestseller-Set**
Pliers with polished heads; handles with non-slip plastic coating and with two-colour multi-component grips

| Article No. | EAN 4003773- | | | | | Quantity | Nominal size | g |
|---|---|---|---|---|---|---|---|---|
| **00 20 09 V01** | 073994 | | Bestseller-Set | | | | | 950 |
| | | | 03 02 180 | Combination Pliers | Knipex | 1 | 180 mm | |
| | | | 70 02 160 | Diagonal Cutter | | 1 | 160 mm | |
| | | | 87 01 250 | KNIPEX Cobra®, Hightech Water Pump Pliers | | 1 | 250 mm | |



**00 20 09 V02 Cobra® Set**
Pliers grey atramentized; handles with non-slip plastic coating

| Article No. | EAN 4003773- | | | | | Quantity | Nominal size | g |
|---|---|---|---|---|---|---|---|---|
| **00 20 09 V02** | 074793 | | Cobra® Set | | | | | 1220 |
| | | | 87 01 180 | KNIPEX Cobra®, Hightech Water Pump Pliers | Knipex | 1 | 180 mm | |
| | | | 87 01 250 | | | 1 | 250 mm | |
| | | | 87 01 300 | | | 1 | 300 mm | |



**00 20 09 V03 Alligator® Set**
Pliers with polished heads; handles with non-slip plastic coating

| Article No. | EAN 4003773- | | | | | Quantity | Nominal size | g |
|---|---|---|---|---|---|---|---|---|
| **00 20 09 V03** | 074809 | | Alligator® Set | | | | | 1195 |
| | | | 88 01 180 | KNIPEX Alligator®, Water Pump Pliers | Knipex | 1 | 180 mm | |
| | | | 88 01 250 | | | 1 | 250 mm | |
| | | | 88 01 300 | | | 1 | 300 mm | |



**00 20 10 Power Set**
Pliers with polished heads and plastic coated handles

| Article No. | EAN 4003773- | | | | | Quantity | Nominal size | g |
|---|---|---|---|---|---|---|---|---|
| **00 20 10** | 010388 | | Power Set | | | | | 990 |
| | | | 02 01 180 | High Leverage Combination Pliers | Knipex | 1 | 180 mm | |
| | | | 74 01 160 | High Leverage Diagonal Cutter | | 1 | 160 mm | |
| | | | 87 01 250 | KNIPEX Cobra®, Hightech Water Pump Pliers | | 1 | 250 mm | |



**00 20 11 Assembly Set**
Pliers with two-colour
multi-component grips

| Article No. | EAN 4003773- | | | | | Quantity | Nominal size | g |
|---|---|---|---|---|---|---|---|---|
| **00 20 11** | 012405 | | Assembly Set | | Knipex | | | 810 |
| | | | 03 02 180 | Combination Pliers | | 1 | 180 mm | |
| | | | 26 12 200 | Snipe Nose Side Cutting Pliers (Stork Beak Pliers) | | 1 | 200 mm | |
| | | | 70 02 160 | Diagonal Cutter | | 1 | 160 mm | |



**00 20 11 V01 Assembly Set**
Pliers chrome-plated, with two-colour
multi-component grips

| Article No. | EAN 4003773- | | | | | Quantity | Nominal size | g |
|---|---|---|---|---|---|---|---|---|
| **00 20 11 V01** | 064091 | | Assembly Set | | Knipex | | | 874 |
| | | | 03 05 180 | Combination Pliers | | 1 | 180 mm | |
| | | | 26 15 200 | Snipe Nose Side Cutting Pliers (Stork Beak Pliers) | | 1 | 200 mm | |
| | | | 74 05 180 | High Leverage Diagonal Cutter | | 1 | 160 mm | |



**00 20 12 Electric Set**
Pliers VDE-tested in conformance with DIN EN/IEC 60900 1000V,
pliers chrome-plated, handles with multi-component grips

| Article No. | EAN 4003773- | | | | | Quantity | Nominal size | g |
|---|---|---|---|---|---|---|---|---|
| **00 20 12** | 012412 | | Electric Set | | Knipex | | | 960 |
| | | 1000 V | 03 06 180 | Combination Pliers | | 1 | 180 mm | |
| | | 1000 V | 26 16 200 | Snipe Nose Side Cutting Pliers (Stork Beak Pliers) | | 1 | 200 mm | |
| | | 1000 V | 70 06 160 | Diagonal Cutter | | 1 | 160 mm | |



**00 20 13 VDE Tool Set**
Tools VDE-tested in conformance to DIN EN/IEC 60900 1000V,
pliers chrome-plated, handles with multi-component covers;
with 3 WERA screwdrivers

| Article No. | EAN 4003773- | | | | | Quantity | Nominal size | g |
|---|---|---|---|---|---|---|---|---|
| **00 20 13** | 043287 | | VDE Tool Set | | Knipex | | | 850 |
| | | 1000 V | 26 16 200 | Snipe Nose Side Cutting Pliers (Stork Beak Pliers) | | 1 | 200 mm | |
| | | 1000 V | 70 06 160 | Diagonal Cutter | | 1 | 160 mm | |
| | | 1000 V | 006110 | Screwdrivers for slotted screws, 160i | Wera | 1 | 0.6 x 3.5 x 100 mm | |
| | | | 006120 | | | 1 | 1.0 x 5.5 x 125 mm | |
| | | 1000 V | 006154 | Screwdrivers for cross recessed Phillips® screws, 162i PH | | 1 | PH2 x 100 mm | |

# Tool Kits

> Tools in a plastic deep-drawn tray with transparent lid
> Attractive sales packaging with Euro standard perforation
> Dimensions (W x H x D): 170 x 370 x 40 mm



**00 20 12 V01 VDE Screwdriver Set**
Tip burnished; insulating multi-component handle,
VDE-tested

| Article No. | EAN 4003773- | | | | | Quantity | Nominal size | g |
|---|---|---|---|---|---|---|---|---|
| **00 20 12 V01** | 075523 | | VDE Screwdriver Set | | | | | 610 |
| | | | 98 20 30 | Screwdrivers for slotted screws | Knipex | 1 | 3.0 mm | |
| | | 1000 V | 98 20 40 | | | 1 | 4.0 mm | |
| | | | 98 20 55 | | | 1 | 5.5 x 125 mm | |
| | | | 98 20 65 | | | 1 | 6,5 mm | |
| | | 1000 V | 98 24 01 | Screwdriver for cross recessed screws, Phillips® | | 1 | PH1 | |
| | | | 98 24 02 | | | 1 | PH2 | |



**00 20 12 V02 VDE Screwdriver Set Slotted / Phillips®**
Tip burnished; insulating multi-component handle,
VDE-tested

| Article No. | EAN 4003773- | | | | | Quantity | Nominal size | g |
|---|---|---|---|---|---|---|---|---|
| **00 20 12 V02** | 082538 | | VDE Screwdriver Set Slotted / Phillips® | | | | | 550 |
| | | | 98 20 30 | Screwdrivers for slotted screws | Knipex | 1 | 3.0 mm | |
| | | 1000 V | 98 20 40 SL | Screwdriver (Slim) for slotted screws | | 1 | 4.0 mm | |
| | | | 98 20 55 SL | | | 1 | 5.5 mm | |
| | | | 98 20 65 SL | | | 1 | 6.5 mm | |
| | | 1000 V | 98 24 01 SL | Screwdriver (Slim) for cross-recessed screws, Phillips® | | 1 | PH1 | |
| | | | 98 24 02 SL | | | 1 | PH2 | |



**00 20 12 V03 VDE Screwdriver Set Phillips® / Pozidriv®**
Tip burnished; insulating multi-component handle,
VDE-tested

| Article No. | EAN 4003773- | | | | | Quantity | Nominal size | g |
|---|---|---|---|---|---|---|---|---|
| **00 20 12 V03** | 082545 | | VDE Screwdriver Set Phillips® / Pozidriv® | | | | | 500 |
| | | | 98 24 00 | Screwdriver for cross recessed screws, Phillips® | Knipex | 1 | PH0 | |
| | | 1000 V | 98 24 01 SL | Screwdriver (Slim) for cross-recessed screws, Phillips® | | 1 | PH1 | |
| | | | 98 24 02 SL | | | 1 | PH2 | |
| | | | 98 25 00 | Screwdriver for cross recessed screws, Pozidriv® | | 1 | PZ0 | |
| | | 1000 V | 98 25 01 SL | Screwdriver (Slim) for cross-recessed screws, Pozidriv® | | 1 | PZ1 | |
| | | | 98 25 02 SL | | | 1 | PZ2 | |



**00 20 12 V04 VDE Screwdriver Set Slotted / Phillips® / Pozidriv®**
Tip burnished; insulating multi-component handle,
VDE-tested

| Article No. | EAN 4003773- | | | | | Quantity | Nominal size | g |
|---|---|---|---|---|---|---|---|---|
| **00 20 12 V04** | 082552 | | VDE Screwdriver Set Slotted / Phillips® / Pozidriv® | | | | | 509 |
| | | 1000 V | 98 20 25 | Screwdrivers for slotted screws | | 1 | 2.5 mm | |
| | | 1000 V | 98 20 40 SL | Screwdriver (Slim) for slotted screws | | 1 | 4.0 mm | |
| | | 1000 V | 98 24 01 SL | Screwdriver (Slim) for cross-recessed screws, Phillips® | Knipex | 1 | PH1 | |
| | | 1000 V | 98 24 02 SL | Screwdriver (Slim) for cross-recessed screws, Phillips® | | 1 | PH2 | |
| | | 1000 V | 98 25 01 SL | Screwdriver (Slim) for cross-recessed screws, Pozidriv® | | 1 | PZ1 | |
| | | 1000 V | 98 25 02 SL | | | 1 | PZ2 | |



**00 20 12 V05 VDE Screwdriver Set PlusMinus / Slotted**
Tip burnished; insulating multi-component handle,
VDE-tested

| Article No. | EAN 4003773- | | | | | Quantity | Nominal size | g |
|---|---|---|---|---|---|---|---|---|
| **00 20 12 V05** | 082569 | | VDE Screwdriver Set PlusMinus / Slotted | | | | | 510 |
| | | 1000 V | 98 20 25 | Screwdrivers for slotted screws | | 1 | 2.5 mm | |
| | | 1000 V | 98 20 40 SL | Screwdriver (Slim) for slotted screws | | 1 | 4.0 mm | |
| | | 1000 V | 98 24 01 SLS | (Slim) PlusMinus screwdriver, Phillips® | Knipex | 1 | PH/S 1 | |
| | | 1000 V | 98 24 02 SLS | | | 1 | PH/S 2 | |
| | | 1000 V | 98 25 01 SLS | (Slim) PlusMinus screwdriver, Pozidriv® | | 1 | PZ/S 1 | |
| | | 1000 V | 98 25 02 SLS | | | 1 | PZ/S 2 | |

# Pliers Sets

**00 31 20 V01**
> With KNIPEX Cobra®
87 01 180 and 87 01 250

**00 31 20 V02**
> With KNIPEX Alligator®
88 01 180 and 88 01 250

**00 31 20 V03**
> With Pliers Wrench 86 03 180
and KNIPEX Cobra® 87 01 250



**00 31 20 V01**



**00 31 20 V02**



**00 31 20 V03**

| Article No. | EAN 4003773- | | | | Quantity | g |
|---|---|---|---|---|---|---|
| **00 31 20 V01** | 077251 | | | Set of pliers | | 555 |
| | 022015 | | 87 01 180 | KNIPEX Cobra® Hightech Water Pump Pliers | 1 | 170 |
| | 022022 | | 87 01 250 | KNIPEX Cobra® Hightech Water Pump Pliers | 1 | 335 |
| **00 31 20 V02** | 077268 | | | Set of pliers | | 535 |
| | 035480 | | 88 01 180 | KNIPEX Alligator® Water Pump Pliers | 1 | 180 |
| | 022992 | | 88 01 250 | KNIPEX Alligator® Water Pump Pliers | 1 | 331 |
| **00 31 20 V03** | 078104 | | | Set of pliers | | 620 |
| | 035466 | | 86 03 180 | Pliers Wrench Pliers and a wrench in a single tool | 1 | 230 |
| | 022022 | | 87 01 250 | KNIPEX Cobra® Hightech Water Pump Pliers | 1 | 335 |

# Tool Box "RED" Electric Set 1

## Versatile use: the small four-piece VDE tool range in a handy case

> High quality, versatile, shock-resistant plastic case
> Foam insert with honeycomb structure for variable equipment
> External dimensions (W x H x D): 340 x 56 x 275 mm

**00 20 15**
Pliers VDE-tested according to DIN EN/IEC 60900 1000V

**00 21 15 LE**
Box without tools






**00 20 15**

| Article No. | EAN 4003773- | | | | Number | g |
|---|---|---|---|---|---|---|
| **00 20 15** | 024804 | | Tool Box "RED" Electric Set 1, 4 parts | | | 1430 |
| | | 1000 V | 03 06 180 | Combination Pliers | 1 | |
| | | 1000 V | 11 06 160 | Insulation Stripper | 1 | |
| | | 1000 V | 26 16 200 | Snipe Nose Side Cutting Pliers (Stork Beak Pliers) | 1 | |
| | | 1000 V | 70 06 160 | Diagonal Cutter | 1 | |
| **00 21 15 LE** | 045175 | | Tool Box "RED", empty | | | 530 |

# Tool Box "RED" Electric Set 2

## All you need, safely stored: seven-piece VDE tool set for electrical installation

> High quality, versatile, shock-resistant plastic case
> Foam insert with honeycomb structure for variable equipment
> External dimensions (W x H x D): 340 x 56 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**
Box without tools



**00 21 15**

| Article No. | EAN 4003773- | | | | | Number | Nominal size | g |
|---|---|---|---|---|---|---|---|---|
| **00 21 15** | 042853 | | Tool Box "RED" Electric Set 2, 7 parts | | | | | 1520 |
| | | 1000 V | 03 06 180 | Combination Pliers | KNIPEX | 1 | 180 mm | |
| | | 1000 V | 26 16 200 | Snipe Nose Side Cutting Pliers (Stork Beak Pliers) | KNIPEX | 1 | 200 mm | |
| | | 1000 V | 70 06 160 | Diagonal Cutter | KNIPEX | 1 | 160 mm | |
| | | | 88 03 180 | KNIPEX Alligator®, Water Pump Pliers | KNIPEX | 1 | 180 mm | |
| | | 1000 V | | Screwdrivers for slotted screws, 160i | Wera | 1 | 0.4 x 2.5 x 80 mm | |
| | | 1000 V | | Screwdrivers for slotted screws, 160i | Wera | 1 | 0.8 x 4.0 x 100 mm | |
| | | 1000 V | | Screwdrivers for cross recessed Phillips® screws, 162i PH | Wera | 1 | PH1 x 80 mm | |
| **00 21 15 LE** | 045175 | | Tool Box "RED", empty | | | | | 530 |

# Tool Box “SRZ” Precision Circlip Pliers

## Well fixed, safely transported: Extensive range in handy case

> High-quality, impact-resistant plastic case
> Contains common Precision Circlip Pliers for highest requirements
> Precisely-sized recesses for holding the pliers
> Clearly organised storage of tools
> Dimensions, exterior (W x H x D): 260 x 80 x 210 mm



| Article No. | EAN 4003773- | | | | Style | Capacity Ø mm | Tips Ø mm | Number | g |
|---|---|---|---|---|---|---|---|---|---|
| **00 21 25** | 050131 | | Tool Box “SRZ“, Precision Circlip Pliers | | | | | | 1635 |
| | | | 48 11 J1 | Precision Circlip Pliers for internal circlips in bore holes | straight tips | 12 - 25 | 1.3 | 1 | |
| | | | 48 11 J2 | | | 19 - 60 | 1.8 | 1 | |
| | | | 49 11 A1 | Precision Circlip Pliers for external circlips on shafts | | 10 - 25 | 1.3 | 1 | |
| | | | 49 11 A2 | | | 19 - 60 | 1.8 | 1 | |
| | | | 48 21 J11 | Precision Circlip Pliers for external circlips on shafts | angled tips | 12 - 25 | 1.3 | 1 | |
| | | | 48 21 J21 | | | 19 - 60 | 1.8 | 1 | |
| | | | 49 21 A11 | Precision Circlip Pliers for external circlips on shafts | | 10 - 25 | 1.3 | 1 | |
| | | | 49 21 A21 | | | 19 - 60 | 1.8 | 1 | |






# “Basic”

Solid basis for tool equipment



# Tool Case “Basic”

## A classic: everything well sorted

- Two metall tilting locks and three-digit combination lock for secure closing of the lid
- Label field with two stickers for individual labelling
- Max. payload: 15 kg
- Volume: 27 litres

> Strong, ergonomic handle
> Heavy duty ABS material, black
> Circumferential aluminium frame
> Metal hinges
> Document compartment in the cover
> One removable tool board made from dirt-repelling twin-tall PP sheet with 20 tool pockets
> Base tray, can be fixed by a push button, 50 mm high, can be subdivided by inserts, cover board with 13 large tool pockets and a flat compartment
> With a total of 41 inserting options



Cover and tool boards made from dirt-repellent PP twin-wall sheets



**00 21 05 LE**
Case without tools



Base tray with separable inserts





| Article No. | EAN 4003773- | Dimension exterior (interior) width mm | Dimension exterior (interior) height mm | Dimension exterior (interior) depth mm | ⚖ g |
|---|---|---|---|---|---|
| **00 21 05 LE** | 056904 | 465 (440) | 200 (180) | 410 (350) | 4000 |

# “BIG Basic Move“

Mobile companion
when travelling



# Tool Case “BIG Basic Move“

## Classic all-rounder with trolley function for working on the move

- Telescopic handle set in the base as well as two external, smooth-running skater wheels
- Two metal flip locks and a three-digit combination lock for secure locking of the cover
- Label field with two stickers for individual labelling
- Max. payload: 20 kg
- Volume: 33 litres

> Strong, ergonomic handle
> Rugged design made of ABS material, black
> Circumferential aluminium frame
> Metal hinges
> Document compartment in the cover
> Two removable tool boards made of dirt-repellent PP twin-wall sheets with 31 tool pockets
  – First tool board with ten tool pockets and an elastic strap on the cover side and eleven narrow and one large tool pocket on the base side
  – Second tool board with ten narrow tool pockets and an elastic strap on the base side and document compartment on the cover side
> Base tray, can be fixed by press button, height 70 mm, can be subdivided by flexible inserts; cover plate with 14 large compartments
> With a total of 54 inserting options



Tool boards made from dirt-repellent PP twin-wall sheets

**00 21 06 LE**
Case supplied without tools



Base tray with separable inserts



Extendable telescopic handle



Smooth-running skater wheels





| Article No. | EAN 4003773- | Dimension exterior (interior) width mm mm | Dimension exterior (interior) height mm mm | Dimension exterior (interior) depth mm mm | ⚖ g |
|---|---|---|---|---|---|
| **00 21 06 LE** | 057512 | 515 (480) | 430 (350) | 280 (200) | 6200 |

# Tool Case “BIG Basic Move“ Electric

## The basic mobile tool kit for electricians

- Equipped with six KNIPEX tools, a total of 24 brand tools, partly VDE-tested according to DIN EN 60900

> **For further benefits of the case, see page 299**



**00 21 06 HL S**

### Content overview

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 03 06 180 KNIPEX |  | 98 52 KNIPEX |  | Rennsteig |  | Ruthe |  |
| 26 16 200 KNIPEX |  | **8 x** Wera |  | Stabila |  | Ruthe |  |
| 11 06 160 KNIPEX |  | Wera |  | Picard |  | maurerfreund |  |
| 70 06 160 KNIPEX |  | Rennsteig |  | Picard |  | Haunstätter |  |
| 16 20 165 KNIPEX |  | | | | | | |

| Article No. | EAN 4003773- | | | | | Number | Nominal size | g |
|---|---|---|---|---|---|---|---|---|
| **00 21 06 HLS** | 052296 | | Tool Case “BIG Basic Move“ Electric, 24 parts | | | | | 9610 |
| | | 1000 V | 03 06 180 | Combination Pliers | KNIPEX | 1 | 180 mm | |
| | | 1000 V | 26 16 200 | Snipe Nose Side Cutting Pliers (Stork Beak Pliers) | | 1 | 200 mm | |
| | | 1000 V | 11 06 160 | Insulation Stripper | | 1 | 160 mm | |
| | | 1000 V | 70 06 160 | Diagonal Cutter | | 1 | 160 mm | |
| | | 1000 V | 16 20 165 | Dismantling Tool | | 1 | 165 mm | |
| | | | 98 52 | Cable Knife | | 1 | 185 mm | |
| | | 1000 V | | Screwdrivers for slotted screws, 1160i | Wera | 1 | 0.4 x 2.5 x 80 mm | |
| | | | | | | 1 | 0.6 x 3.5 x 100 mm | |
| | | | | | | 1 | 1.0 x 5.5 x 125 mm | |
| | | | | | | 1 | 1.2 x 6.5 x 150 mm | |
| | | 1000 V | | Screwdrivers for cross recessed Phillips® screws, 1162i | | 1 | PH1 x 80 mm | |
| | | | | | | 1 | PH2 x 100 mm | |
| | | 1000 V | | Screwdrivers for cross recessed Pozidriv® screws, 1165i | | 1 | PZ1 x 80 mm | |
| | | | | | | 1 | PZ2 x 100 mm | |
| | | | | Voltage detector, single-pole, 247 | | 1 | 0.5 x 3.0 x 70 mm | |
| | | | | Mason’s Chisels | Rennsteig | 1 | 250 mm | |
| | | | | Electrician’s Chisel | | 1 | 250 x 10 mm | |
| | | | | Carpenter's pencil | Stabila | 1 | | |
| | | | | Plaster bowl | Picard | 1 | 127 x 94 | |
| | | | | Flat brush | | 1 | 40 mm | |
| | | | | Locksmith's hammer | Ruthe | 1 | 300 g | |
| | | | | Sledge hammer | | 1 | 1000 g | |
| | | | | Painter's spatula, wood, high quality | maurerfreund | 1 | 40 mm | |
| | | | | PUK® Junior Hacksaw | Haunstätter | 1 | 150 x 240 mm | |
| **00 21 06 LE** | 057512 | | Tool Case “BIG Basic Move“, empty | | | | | 6200 |

# Tool Case „BIG Basic Move“ ElectricPlus

## Premium equipment for professional electricians

- Equipped with 27 KNIPEX tools, a total of 68 brand tools, partly VDE-tested according to DIN EN 60900

> **For further benefits of the case, see page 299**



**00 21 06**

| Article No. | EAN 4003773- | | | | | Quantity | Nominal size | g |
|---|---|---|---|---|---|---|---|---|
| **00 21 06** | 086260 | | Tool Case “BIG Basic Move“ ElectricPlus, 68 parts | | | | | 10600 |
| | | | 00 11 01 | KNIPEX TwinKey®, Control Cabinet Key | KNIPEX | 1 | | |
| | | | 12 52 195 | KNIPEX PreciStrip16 | | 1 | 195 mm | |
| | | | 16 95 01 SB | KNIPEX ErgoStrip®, Universal Stripping Tool | | 1 | 135 mm | |
| | | 1000 V | 08 26 145 | Needle-Nose Combination Pliers | | 1 | 145 mm | |
| | | 1000 V | 13 86 200 | Pliers for Electrical Installation | | 1 | 200 mm | |
| | | 1000 V 40° | 26 26 200 | Snipe nose pliers, bent | | 1 | 200 mm | |
| | | 1000 V | 70 06 160 | Diagonal Cutter | | 1 | 160 mm | |
| | | 1000 V | 74 06 200 | High Leverage Diagonal Cutter | | 1 | 200 mm | |
| | | 1000 V | 78 06 125 | Electronic Super Knips VDE | | 1 | 125 mm | |
| | | | 87 01 180 | KNIPEX Cobra®, Hightech Water Pump Pliers | | 1 | 180 mm | |
| | | | 97 53 18 | KNIPEX Twistor®16 Self-Adjusting Crimping Pliers | | 1 | 478 mm | |
| | | 1000 V | 98 20 25 | Screwdriver for slotted screws | | 1 | 2.5 mm | |
| | | 1000 V | 98 20 35 SL | Screwdriver (Slim) for slotted screws | | 1 | 0.6 x 3.5 x 100 mm | |
| | | | 98 20 40 SL | | | 1 | 0.8 x 4 x 100 mm | |
| | | | 98 20 55 SL | | | 1 | 1.0 x 5.5 x 125 mm | |
| | | 1000 V | 98 24 01 SL | Screwdrivers (Slim) for cross-recessed screws, Phillips® | | 1 | PH 1 x 80 | |
| | | | 98 24 02 SL | | | 1 | PH 2 x 100 | |
| | | | 98 25 01 SL | | | 1 | PZ 1 x 80 | |
| | | | 98 25 02 SL | | | 1 | PZ 2 x 100 | |
| | | 1000 V | 98 25 01 SLS | (Slim) PlusMinus screwdriver, Pozidriv® | | 1 | 187 mm | |
| | | | 98 25 02 SLS | | | 1 | 212 mm | |
| | | 1000 V | 98 26 10 | Screwdriver for Torx® screws | | 1 | 160 mm TX 10 | |
| | | | 98 26 15 | | | 1 | 185 mm TX 15 | |
| | | | 98 26 20 | | | 1 | 185 mm TX 20 | |
| | | | 98 26 25 | | | 1 | 185 mm TX 25 | |
| | | | 98 26 30 | | | 1 | 210 mm TX 30 | |
| | | | | Folding rule | | 1 | 185 mm | |
| | | | | Pocket Electric mini spirit level | Stabila | 1 | 430 mm | |
| | | | | Spirit Level Type 70 Electric | | 1 | 400 mm | |
| | | | | Safety locksmith's hammer, 300 g | Picard | 1 | 290 mm | |
| | | | | Electrician’s Chisel | Rennsteig | 1 | 250 mm | |
| | | | | 8100 SA 8 Zyklop set of metal ratchets, 28 pieces | Wera | 1 | | |
| | | | | Set of hex key wrenches | | 1 | 1.5 - 10 mm | |
| **00 21 06 LE** | 057512 | | Tool Case “BIG Basic Move“, empty | | | | | 6200 |

# Tool Case “BIG Basic Move” Mechanics

## All-round equipment for professional mechanics

- Equipped with 12 KNIPEX tools, a total of 90 brand tools, partly VDE-tested according to DIN EN 60900

> **For further benefits of the case, see page 299**



**00 21 06 M**

| Article No. | EAN 4003773- | | | | | Quantity | Nominal size | g |
|---|---|---|---|---|---|---|---|---|
| **00 21 06 M** | 086222 | | Tool Case “BIG Basic Move” Mechanic, 90 parts | | | | | 12800 |
| | | | 00 11 01 | KNIPEX TwinKey®, Control Cabinet Key | | 1 | | |
| | | | 70 02 160 | Diagonal Cutter | | 1 | 160 mm | |
| | | | 74 02 200 | High Leverage Diagonal Cutter | | 1 | 200 mm | |
| | | | 71 31 200 | KNIPEX CoBolt Compact Bolt Cutter | | 1 | 200 mm | |
| | | | 26 12 200 | Snipe Nose Side Cutting Pliers (Stork Beak Pliers) | | 1 | 200 mm | |
| | | | 26 22 200 | | | 1 | 200 mm | |
| | | | 78 61 140 | Electronic Super Knips XL | KNIPEX | 1 | 140 mm | |
| | | | 16 95 01 SB | KNIPEX ErgoStrip®, Universal Stripping Tool | | 1 | 135 mm | |
| | | | 16 20 50 SB | Folding Knife for Electricians | | 1 | 120 mm | |
| | | | 86 01 250 | Pliers Wrench | | 1 | 250 mm | |
| | | | 87 01 250 | KNIPEX Cobra®, Hightech Water Pump Pliers | | 1 | 250 mm | |
| | | | | Folding rule | | 1 | 185 mm | |
| | | | | 350 PH Screwdriver for Phillips screws | | 1 | | |
| | | | | 917 SPH Screwdriver for Phillips screws Kraftform Plus | | 1 | PH2 x 100 mm | |
| | | | | 350 PH Screwdriver for Phillips screws | | 1 | PH3 x 150 mm | |
| | | | | 355 PZ Screwdriver for Phillips screws | | 1 | PZ1 x 80 mm | |
| | | | | | | 1 | PZ2 x 100 mm | |
| | | | | | | 1 | PZ3 x 150 mm | |
| | | | | 335 Screwdriver for slotted screws - electrician's blade | | 1 | 3.5 x 100 mm | |
| | | | | | | 1 | 4.0 x 100 mm | |
| | | | | 932 A Screwdriver for slotted screws 5.5 Kraftform Plus | | 1 | 5.5 x 100 mm | |
| | | | | 932 A Screwdriver for slotted screws 7.0 Kraftform Plus | Wera | 1 | 7.0 x 125 mm | |
| | | | | 932 A Screwdriver for slotted screws 9.0 Kraftform Plus | | 1 | 7.0 x 125 mm | |
| | | | | 367 Screwdriver with holding function for TORX® screws | | 1 | TX 10 x 80 | |
| | | | | | | 1 | TX 15 x 80 | |
| | | | | | | 1 | TX 20 x 100 | |
| | | | | | | 1 | TX 25 x 100 | |
| | | | | | | 1 | TX 30 x 115 | |
| | | | | Micro screwdriver PH0 | | 1 | PH0 x 60 mm | |
| | | | | Micro screwdriver PH00 | | 1 | PH00 x 60 mm | |
| | | | | Micro screwdriver 1.5 | | 1 | 1.5 x 60 mm | |
| | | | | Micro screwdriver 2.5 | | 1 | 2.5 x 80 mm | |
| | | | | Locksmith's hammer | Picard | 1 | 300 g | |
| | | | | 8100 SA 8 Zyklop set of metal ratchets, 28 pieces | Wera | 1 | 1/4" | |
| | | | | Set of hex key wrenches | | 1 | 1.5 - 10 mm | |
| | | | | Spirit level type 70 TM | Stabila | 1 | 220 mm | |
| | | | | Combination wrench sets | Heyco | 1 | | |
| | | | | Pin punch set | Rennsteig | 1 | | |
| | | | | Automatic centre punch | | 1 | 130 mm | |
| **00 21 06 LE** | 057512 | | Tool Case “BIG Basic Move”, empty | | | | | 6200 |

# Tool Case “BIG Basic Move“ Plumbing

## The basic mobile tool kit for plumbing, heating and air-conditioning professionals

- Equipped with 4 KNIPEX tools, a total of 31 brand tools, partly VDE-tested according to DIN EN 60900

> **For further benefits of the case, see page 299**



**00 21 06 HK S**

### Content overview

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 70 06 160 KNIPEX |  | Ruthe |  | Haunstätter |  | Stabila |  |
| 86 03 250 KNIPEX |  | Picard |  | Heyco |  | Stabila |  |
| 88 01 250 KNIPEX |  | Picard |  | Picard |  | **9 parts** Wera |  |
| 88 01 300 KNIPEX |  | Nölle |  | Picard |  | Zenten |  |
| **5 x** Wera |  | Heyco |  | Rennsteig |  | | |

| Article No. | EAN 4003773- | | | | | Number | Nominal size | ⚖ g |
|---|---|---|---|---|---|---|---|---|
| **00 21 06 HK S** | 070825 | | Tool Case “BIG Basic Move“ Plumbing, 31 parts | | | | | 9800 |
| | | 1000 V | 70 06 160 | Diagonal Cutter | KNIPEX | 1 | 160 mm | |
| | | | 86 03 250 | Pliers Wrench | | 1 | 250 mm | |
| | | | 88 01 250 | KNIPEX Alligator®, Water Pump Pliers | | 1 | 250 mm | |
| | | | 88 01 300 | | | 1 | 300 mm | |
| | | 1000 V | | Screwdrivers for slotted screws, 1160i | Wera | 1 | 0.6 x 3.5 x 100 mm | |
| | | | | | | 1 | 1.0 x 5.5 x 125 mm | |
| | | | | | | 1 | 1.2 x 6.5 x 150 mm | |
| | | 1000 V | | Screwdrivers for cross recessed Phillips® screws, 1162i | | 1 | PH1 x 80 mm | |
| | | | | | | 1 | PH2 x 100 mm | |
| | | | | Set of hex key wrenches | | 9 | 1.5 - 10 mm | |
| | | | | Locksmith's hammer | Ruthe | 1 | 300 g | |
| | | | | Flat brush | Picard | 1 | 40 mm | |
| | | | | Carpenter's pencil | | 1 | 24 cm | |
| | | | | Plasterer's bowl | Nölle | 1 | 125 x 90 mm | |
| | | | | Professional utility knife, zinc die casting | Heyco | 1 | 170 mm; 18 mm | |
| | | | | Express key | | 1 | 17 x 19 mm; M 10 | |
| | | | | PUK® Junior Hacksaw | Haunstätter | 1 | 150 x 240 mm | |
| | | | | Steel wire brush, 5-row | Picard | 1 | 280 mm | |
| | | | | Painter's spatula | | 1 | 40 mm | |
| | | | | Electrician's Chisel | Rennsteig | 1 | 250 x 10 mm | |
| | | | | Spirit level type 70 | Stabila | 1 | 30 cm | |
| | | | | Wooden folding rule type 607N | | 1 | 2 m | |
| | | | | Pipe cutter | Zenten | 1 | 3 - 35 mm / 1/8 - 1 1/2" | |
| **00 21 06 LE** | 057512 | | Tool Case “BIG Basic Move“, empty | | | | | 6200 |

# "BIG Twin"

Everything at a glance



# The design for the "BIG Twin" series

Can be opened on both sides, generous storage space with numerous tool pockets



Three-digit combination lock



Label field with two stickers for individual labelling



Large KNIPEX logo on the cover







Two metal flip locks



Two deposit recesses in the case cover



**"BIG Twin Move" additionally with trolley function**



Smooth-running skater wheels



Extendable telescopic handle

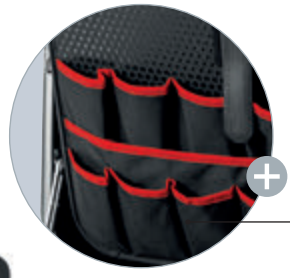


# Tool Case "BIG Twin Move"

## For quick access: everything at a glance, even on the move

- Telescopic handle set in the base as well as two external, smooth-running skater wheels
- Free-standing in all opening positions thanks to snap-in cover holders with hinge mechanism on both sides, angle freely adjustable
- Can be opened from one or both sides; bottom and lid can be opened independently of each other
- Label field with two stickers for individual labelling
- Max. payload: 30 kg
- Volume: 44 litres

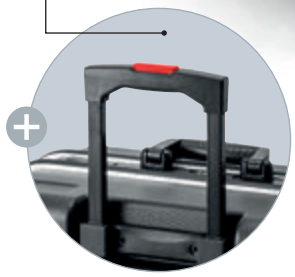
> Rugged design made of ABS material, black
> Circumferential aluminium frame with securely mounted, sturdy centre wall that can be fitted on both sides, with versatile inserting options due to elasticated loops and twelve small pockets
> Metal hinges
> Three-digit combination lock for secure locking of the case
> Two metal flip locks each for fixing the cover and the base
> Removable document compartment and removable tool boards made from dirt-repellent PP twin-wall sheets with 13 tool pockets
> Base tray, can be fixed by press button, height 58 mm, can be subdivided by flexible inserts; cover plate with 13 large compartments
> With a total of 95 inserting options



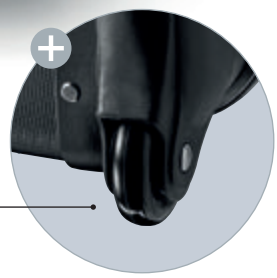
Everything at hand thanks to intelligent layout



**00 21 41 LE**
Case supplied without tools



Extendable telescopic handle



Smooth-running skater wheels



Base tray with handy, robust aluminium dividing bars





**"BIG Twin Move RED"**
see page 300



| Article No. | EAN 4003773- | Dimension exterior (interior) width mm mm | Dimension exterior (interior) height mm mm | Dimension exterior (interior) depth mm mm | ⚖ g |
|---|---|---|---|---|---|
| **00 21 41 LE** | 071549 | 520 (490) | 435 (370) | 290 (110/100) | 8600 |

# Tool Case “BIG Twin Move” Electric

## Everything under control, even when on the move: extensive range of tools for the professional electrician

- Equipped with 14 KNIPEX tools, a total of 63 brand tools, partly VDE-tested according to DIN EN 60900

> **For further benefits of the case, see page 306**



**00 21 41**

### Content overview

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 00 11 01 KNIPEX |  | 26 26 200 KNIPEX |  | 97 53 04 KNIPEX |  | Wera |  |
| 08 26 145 KNIPEX |  | 70 06 160 KNIPEX |  | 98 52 KNIPEX |  | Picard |  |
| 12 42 195 KNIPEX |  | 74 06 200 KNIPEX |  | **2 x** 98 2X XX SL KNIPEX |  | Rennsteig |  |
| 13 86 200 KNIPEX |  | 86 03 180 KNIPEX |  | **16 parts** Wera |  | Stabila |  |
| 16 95 01 SB KNIPEX |  | 87 01 180 KNIPEX |  | **28 parts** Wera |  | Stabila |  |

| Article No. | EAN 4003773- | | | | | Number | Nominal size | g |
|---|---|---|---|---|---|---|---|---|
| **00 21 41** | 082118 | | Tool Case “BIG Twin Move“ Electric, 63 parts | | | | | 13250 |
| | | PATENTED | 00 11 01 | KNIPEX TwinKey®, Control Cabinet Key | KNIPEX | 1 | | |
| | | 1000 V | 08 26 145 | Needle-Nose Combination Pliers | | 1 | 145 mm | |
| | | | 12 42 195 | KNIPEX MultiStrip 10, Automatic Insulation Stripper | | 1 | 195 mm | |
| | | 1000 V PATENTED | 13 86 200 | Pliers for Electrical Installation | | 1 | 200 mm | |
| | | PATENTED | 16 95 01 SB | KNIPEX ErgoStrip®, Universal Stripping Tool | | 1 | 135 mm | |
| | | 1000 V 40° | 26 26 200 | Snipe Nose Side Cutting Pliers, (Stork Beak Pliers) | | 1 | 200 mm | |
| | | 1000 V | 70 06 160 | Diagonal Cutter | | 1 | 160 mm | |
| | | 1000 V | 74 06 200 | High Leverage Diagonal Cutter | | 1 | 200 mm | |
| | | | 86 03 180 | Pliers Wrench | | 1 | 180 mm | |
| | | | 87 01 180 | KNIPEX Cobra®, Hightech Water Pump Pliers | | 1 | 180 mm | |
| | | PATENTED | 97 53 04 | Self-Adjusting Crimping Pliers for wire end sleeves | | 1 | 180 mm | |
| | | 1000 V | 98 52 | Cable Knife | | 1 | 185 mm | |
| | | 1000 V | 98 25 01 SL | Screwdrivers (Slim) for cross-recessed screws, Pozidriv® | | 1 | PZ 1 x 80 mm | |
| | | 1000 V | 98 20 35 SL | Screwdriver (Slim) for slotted screws | | 1 | 0,6 x 3.5 x 100 mm | |
| | | | | Kraftform Kompakt VDE 16 extra slim 1, 16 parts | Wera | 1 | | |
| | | | | Zyklop set of metal ratchets, 8100 SA 8, 28 parts | | 1 | 1/4" | |
| | | | | Joker open-end wrench | | 1 | 10 x 13 mm | |
| | | | | Locksmith's hammer | Picard | 1 | 300 g | |
| | | | | Electrician’s Chisel | Rennsteig | 1 | 250 x 10 mm | |
| | | | | Spirit level type 70 Electric | Stabila | 1 | 430 mm | |
| | | | | Pocket Electric mini spirit level | | 1 | 68 mm | |
| **00 21 41 LE** | 071549 | | Tool Case “BIG Twin Move”, empty | | | | | 8600 |

# Tool Case “BIG Twin”

## For quick access: everything at a glance

- Free-standing in all opening positions thanks to snap-in cover holders with hinge mechanism on both sides, angle freely adjustable
- Can be opened from one or both sides; bottom and lid can be opened independently of each other
- Label field with two stickers for individual labelling
- Max. payload: 25 kg
- Volume: 44 litres

> Rugged design made of ABS material, black
> Circumferential aluminium frame with securely mounted, sturdy centre wall that can be fitted on both sides, with versatile inserting options due to elasticated loops and twelve small pockets
> Metal hinges
> Three-digit combination lock for secure locking of the case
> Two metal flip locks each for fixing the cover and the base
> Removable document compartment and removable tool boards made from dirt-repellent PP twin-wall sheets with 13 tool pockets
> Base tray, can be fixed by press button, height 58 mm, can be subdivided by flexible inserts; cover plate with 13 large compartments
> With a total of 95 inserting options



Everything at hand thanks to intelligent layout

**00 21 42 LE**
Case supplied without tools



Base tray with handy, robust aluminium dividing bars





| Article No. | EAN 4003773- | Dimension exterior (interior) width mm mm | Dimension exterior (interior) height mm mm | Dimension exterior (interior) depth mm mm | ⚖ g |
|---|---|---|---|---|---|
| **00 21 42 LE** | 084211 | 520 (490) | 435 (370) | 250 (110/100) | 7200 |

# Tool Case “BIG Twin“ Electric

## Always at hand: extensive range of tools for the professional electrician

- Equipped with 14 KNIPEX tools, a total of 63 brand tools, partly VDE-tested according to DIN EN 60900

> **For further benefits of the case, see page 308**



**00 21 42**

### Content overview

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 00 11 01 KNIPEX |  | 26 26 200 KNIPEX |  | 97 53 04 KNIPEX |  | Wera |  |
| 08 26 145 KNIPEX |  | 70 06 160 KNIPEX |  | 98 52 KNIPEX |  | Picard |  |
| 12 42 195 KNIPEX |  | 74 06 200 KNIPEX |  | **2 x** 98 2X XX SL KNIPEX |  | Rennsteig |  |
| 13 86 200 KNIPEX |  | 86 03 180 KNIPEX |  | **16 parts** Wera |  | Stabila |  |
| 16 95 01 SB KNIPEX |  | 87 01 180 KNIPEX |  | **28 parts** Wera |  | Stabila |  |

| Article No. | EAN 4003773- | | | | | Number | Nominal size | g |
|---|---|---|---|---|---|---|---|---|
| **00 21 42** | 081968 | | Tool Case “BIG Twin“ Electric, 63 parts | | | | | 11400 |
| | | PATENTED | 00 11 01 | KNIPEX TwinKey®, Control Cabinet Key | KNIPEX | 1 | | |
| | | 1000 V | 08 26 145 | Needle-Nose Combination Pliers | | 1 | 145 mm | |
| | | | 12 42 195 | KNIPEX MultiStrip 10, Automatic Insulation Stripper | | 1 | 195 mm | |
| | | 1000 V PATENTED | 13 86 200 | Pliers for Electrical Installation | | 1 | 200 mm | |
| | | PATENTED | 16 95 01 SB | KNIPEX ErgoStrip®, Universal Stripping Tool | | 1 | 135 mm | |
| | | 1000 V 40° | 26 26 200 | Snipe Nose Side Cutting Pliers, (Stork Beak Pliers) | | 1 | 200 mm | |
| | | 1000 V | 70 06 160 | Diagonal Cutter | | 1 | 160 mm | |
| | | 1000 V | 74 06 200 | High Leverage Diagonal Cutter | | 1 | 200 mm | |
| | | | 86 03 180 | Pliers Wrench | | 1 | 180 mm | |
| | | | 87 01 180 | KNIPEX Cobra®, Hightech Water Pump Pliers | | 1 | 180 mm | |
| | | PATENTED | 97 53 04 | Self-Adjusting Crimping Pliers for wire end sleeves | | 1 | 180 mm | |
| | | 1000 V | 98 52 | Cable Knife | | 1 | 185 mm | |
| | | 1000 V | 98 25 01 SL | Screwdrivers (Slim) for cross-recessed screws, Pozidriv® | | 1 | PZ 1 x 80 mm | |
| | | 1000 V | 98 20 35 SL | Screwdriver (Slim) for slotted screws | | 1 | 0,6 x 3.5 x 100 mm | |
| | | | | Kraftform Kompakt VDE 16 extra slim 1, 16 parts | Wera | 1 | | |
| | | | | Zyklop set of metal ratchets, 8100 SA 8, 28 parts | | 1 | 1/4" | |
| | | | | Joker open-end wrench | | 1 | 10 x 13 mm | |
| | | | | Locksmith's hammer | Picard | 1 | 300 g | |
| | | | | Electrician's Chisel | Rennsteig | 1 | 250 x 10 mm | |
| | | | | Spirit level type 70 Electric | Stabila | 1 | 430 mm | |
| | | | | Pocket Electric mini spirit level | | 1 | 68 mm | |
| **00 21 42 LE** | 084211 | | Tool Case “BIG Twin”, empty | | | | | 7200 |



# Tool Case “BIG Twin Move RED” Electric Competence

## Better safe than sorry: 47 insulated brand tools for work on electrical systems

- Hard-wearing ABS material construction, red; equipped with a range of KNIPEX tools for working on electrical systems, tested according to DIN EN/IEC 60900
- Telescopic handle set in the base as well as two external, smooth-running skater wheels
- Free-standing in all opening positions thanks to snap-in cover holders with hinge mechanism on both sides, angle freely adjustable
- Can be opened from one or both sides; bottom and lid can be opened independently of each other
- Max. payload: 30 kg
- Volume: 44 litres

> Label field with two stickers for individual labelling
> Circumferential aluminium frame with securely mounted, sturdy centre wall that can be fitted on both sides, with versatile inserting options due to elasticated loops and twelve small pockets
> Metal hinges
> Three-digit combination lock for secure locking of the case
> Two metal flip locks each for fixing the cover and the base
> Removable document compartment and removable tool boards made from dirt-repellent PP twin-wall sheets with 13 tool pockets
> Base tray, can be fixed by press button, height 58 mm, can be subdivided by flexible inserts; cover plate with six large compartments
> Dimensions, exterior (W x H x D): 520 x 435 x 290 mm
Dimensions, interior (W x H x D): 490 x 370 x 110/100 mm
> IEC 60900, DIN EN 60900
> With a total of 95 inserting options



**98 99 15**



**98 99 15 LE**
Case supplied without tools

## Content overview

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 70 06 160 KNIPEX |  | **6 x** 98 00 XX KNIPEX |  | **9 x** 98 47 XX KNIPEX |  | 98 25 02 SLS KNIPEX |  |
| 08 26 145 KNIPEX |  | **6 x** 98 01 XX KNIPEX |  | 6 x 98 64 02 KNIPEX |  | **2 x** 98 24 XX SL KNIPEX |  |
| 11 06 160 KNIPEX |  | 98 42 KNIPEX |  | 98 20 25 KNIPEX |  | 98 52 KNIPEX |  |
| 87 26 250 KNIPEX |  | 98 40 KNIPEX |  | **3 x** 98 20 XX SL KNIPEX |  | 98 53 03 KNIPEX |  |
| 95 16 200 KNIPEX |  | **2 x** 98 45 XXX KNIPEX |  | **2 x** 98 25 XX SL KNIPEX |  | | |

| Article No. | EAN 4003773- | | | | Number | Nominal size | g |
|---|---|---|---|---|---|---|---|
| **98 99 15** | 084341 | | Tool Case “BIG Twin Move RED”, 47 parts | | | | 15450 |
| | | 1000 V | 08 26 145 | Needle-Nose Combination Pliers | 1 | 145 mm | |
| | | 1000 V | 11 06 160 | Insulation Stripper | 1 | 160 mm | |
| | | 1000 V | 70 06 160 | Diagonal Cutter | 1 | 160 mm | |
| | | 1000 V | 87 26 250 | KNIPEX Cobra®, Hightech Water Pump Pliers | 1 | 250 mm | |
| | | 1000 V | 95 16 200 | Cable Shears with twin cutting edge | 1 | 200 mm | |
| | | 1000 V | 98 00 10 | Open-end wrench | 1 | 10 mm | |
| | | | 98 00 13 | | 1 | 13 mm | |
| | | | 98 00 14 | | 1 | 14 mm | |
| | | | 98 00 17 | | 1 | 17 mm | |
| | | | 98 00 19 | | 1 | 19 mm | |
| | | | 98 00 22 | | 1 | 22 mm | |
| | | | 98 01 10 | Box Wrench | 1 | 10 mm | |
| | | | 98 01 13 | | 1 | 13 mm | |
| | | | 98 01 14 | | 1 | 14 mm | |
| | | | 98 01 17 | | 1 | 17 mm | |
| | | | 98 01 19 | | 1 | 19 mm | |
| | | | 98 01 22 | | 1 | 22 mm | |
| | | 1000 V | 98 20 25 | Screwdrivers for slotted screws | 1 | 0.4 x 2.5 x 75 mm | |
| | | 1000 V | 98 20 40 SL | Screwdriver (Slim) for slotted screws | 1 | 0.8 x 4.0 x 100 mm | |
| | | | 98 20 55 SL | | 1 | 1.0 x 5.5 x 125 mm | |
| | | | 98 20 65 SL | | 1 | 1.2 x 6.5 x 150 mm | |
| | | 1000 V | 98 25 01 SL | Screwdrivers (Slim) for cross-recessed screws, Pozidriv® | 1 | PH1 x 80 mm | |
| | | | 98 25 02 SL | | 1 | PH2 x 100 mm | |
| | | 1000 V | 98 25 02 SLS | Screwdrivers (Slim) Plus/Minus Pozidriv® | 1 | PZ/S 2 x 100 | |
| | | 1000 V | 98 24 01 SL | Screwdrivers (Slim) for cross-recessed screws Phillips® | 1 | PH1 x 80 mm | |
| | | | 98 24 02 SL | | 1 | PH2 x 100 mm | |
| | | 1000 V | 98 40 | T-Handle Drive with driving square 1/2" | 1 | 165 mm | |
| | | 1000 V | 98 42 | Reversible Ratchet with driving square 1/2" | 1 | 1/2" | |
| | | 1000 V | 98 45 125 | Extension Bar with internal/external square 1/2" | 1 | 1/2" | |
| | | | 98 45 250 | | 1 | 1/2" | |
| | | 1000 V | 98 47 10 | Hexagon Socket for hexagonal screws with internal square 1/2" | 1 | 1/2" / 10 mm | |
| | | | 98 47 11 | | 1 | 1/2" / 11 mm | |
| | | | 98 47 12 | | 1 | 1/2" / 12 mm | |
| | | | 98 47 13 | | 1 | 1/2" / 13 mm | |
| | | | 98 47 14 | | 1 | 1/2" / 14 mm | |
| | | | 98 47 17 | | 1 | 1/2" / 17 mm | |
| | | | 98 47 19 | | 1 | 1/2" / 19 mm | |
| | | | 98 47 22 | | 1 | 1/2" / 22 mm | |
| | | | 98 47 24 | | 1 | 1/2" / 24 mm | |
| | | 1000 V | 98 52 | Cable Knife | 1 | 185 mm | |
| | | | 98 53 03 | Dismantling Knife for round cables | 1 | 155 mm | |
| | | 1000 V | 98 64 02 | Insulating Clamp of plastic | 6 | 150 mm | |
| **98 99 15 LE** | 084334 | | Tool Case “BIG Twin Move RED”, empty | | | | 8600 |

# “Robust“

Optimum tool transport even
under the toughest conditions



# Tool Case "Robust"

## The name says it all: ideal for outdoor use

▸ For the toughest conditions: Dust-tight, waterproof and temperature-resistant

> Fit-to-fly case, made from impact-resistant polypropylene
> Dustproof and watertight
> Air pressure compensation valve
> Temperature-resistant from -30°C until + 80°C
> Padlock eyelets
> Document compartment; tool boards made from dirt-repellent PP twin-wall sheets with tool pockets and straps
> Lockable base tray can be individually divided using aluminium separator system
> Ergonomic dual-component handle



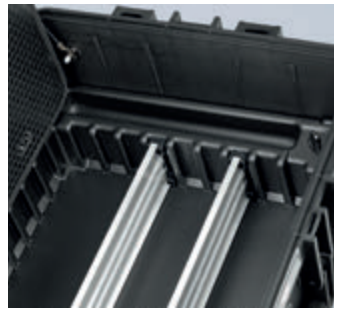
Pressure valve for venting and name plate for individual labelling



Document compartment



Device for securing with a padlock (lock not included)



Aluminium separators for individual division of the base tray

**The "Robust" cases compared:**

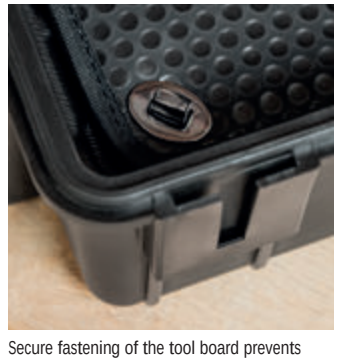
| | Number of inserting options | Litre capacity | Max. payload kg | Dimensions base tray mm | Trolley function |
|---|---|---|---|---|---|
| **"Robust23"** 00 21 35 LE  | 49 | 23 | 25 | 470 x 370 x 190 | – |
| **"Robust34"** 00 21 36 LE  | 93 | 34 | 25 | 510 x 419 x 215 | – |
| **"Robust45 Move"** 00 21 37 LE  | 147 | 45 | 35 | 609 x 428 x 263 | ✓ |



Also suitable as a standing or sitting aid



Case locking via robust flip locks



Secure fastening of the tool board prevents tools from falling out of the base

# Tool Case “Robust23“ Electric

## Small and robust: handy case with tools for professional electricians

- Equipped with 25 brand tools, partly VDE-tested according to DIN EN 60900
- Max. payload: 25 kg
- Volume: 23 litres

> Document compartment; tool boards made from dirt-repelling twin-wall PP sheets with space for 33 tool pockets and various tool straps
> With a total of 49 inserting options
> Base tray with aluminium separators
> Dimensions, exterior (W x H x D): 470 x 370 x 190 mm
Dimensions, interior (W x H x D): 437 x 307 x 172 mm

> **For further benefits of the case, see page 313**

**00 21 35 LE**
Case supplied without tools




### Content overview

| | |
|---|---|
| 12 40 200 KNIPEX |  |
| 13 86 200 KNIPEX |  |
| 16 95 01 SB KNIPEX |  |

| | |
|---|---|
| 70 06 160 KNIPEX |  |
| 87 01 180 KNIPEX |  |

| | |
|---|---|
| 97 53 04 KNIPEX |  |
| 98 52 KNIPEX |  |

| | |
|---|---|
| **16 parts** Wera |  |
| Stabila |  |



With adjustable carrying strap and comfortable multi-component handle



00 21 35 LE – Case supplied without tools



| Article No. | EAN 4003773- | | | | | Number | Nominal size | g |
|---|---|---|---|---|---|---|---|---|
| **00 21 35** | 084365 | | Tool Case “Robust23“ Electric, 25 parts | | | | | 6800 |
| | | | 12 40 200 | Self-Adjusting Insulation Stripper | KNIPEX | 1 | 200 mm | |
| | | 1000 V PATENTED | 13 86 200 | Pliers for Electrical Installation | | 1 | 200 mm | |
| | | PATENTED | 16 95 01 SB | KNIPEX ErgoStrip® Universal Stripping Tool | | 1 | 135 mm | |
| | | 1000 V | 70 06 160 | Diagonal Cutter | | 1 | 160 mm | |
| | | | 87 01 180 | KNIPEX Cobra®, Hightech Water Pump Pliers | | 1 | 180 mm | |
| | | PATENTED | 97 53 04 | Self-Adjusting Crimping Pliers for wire end sleeves | | 1 | 180 mm | |
| | | 1000 V | 98 52 | Cable Knife | | 1 | 190 mm | |
| | | | | Kraftform Kompakt VDE 16 extra slim 1, 16 parts | Wera | 1 | | |
| | | | | Ruler Stabila Serie 400 | Stabila | 1 | 185 mm | |
| **00 21 35 LE** | 077596 | | Tool Case “Robust23“, empty | | | | | 4800 |

# Tool Case “Robust34“ Electric

## Medium-sized and robust: sturdy case with tools for professional electricians

- Equipped with 26 brand tools, partly VDE-tested according to DIN EN 60900
- Max. payload: 25 kg
- Volume: 34 litres

> Document compartment; tool boards made from dirt-repelling twin-wall PP sheets with space for 38 tool pockets and various tool straps
> With a total of 93 inserting options
> Base tray with aluminium separators
> Dimensions, exterior (W x H x D): 510 x 419 x 215 mm
Dimensions, interior (W x H x D): 480 x 356 x 199 mm

> **For further benefits of the case, see page 313**

**00 21 36 LE**
Case supplied without tools




**00 21 36**

### Content overview

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 00 11 01 KNIPEX |  | 13 86 200 KNIPEX |  | 87 01 180 KNIPEX |  | **16 parts** Wera |  |
| 08 26 145 KNIPEX |  | 16 95 01 SB KNIPEX |  | 97 53 04 KNIPEX |  | Stabila |  |
| 12 40 200 KNIPEX |  | 70 06 160 KNIPEX |  | 98 52 KNIPEX |  | | |



With adjustable carrying strap and comfortable multi-component handle



00 21 36 LE – Case supplied without tools





| Article No. | EAN 4003773- | | | | | Number | Nominal size | g |
|---|---|---|---|---|---|---|---|---|
| **00 21 36** | 082583 | | Tool Case “Robust34“ Electric, 26 parts | | | | | 10000 |
| | | PATENTED | 00 11 01 | KNIPEX TwinKey®, Control Cabinet Key | KNIPEX | 1 | | |
| | | 1000 V | 08 26 145 | Needle-Nose Combination Pliers | | 1 | 145 mm | |
| | | | 12 40 200 | Self-Adjusting Insulation Stripper | | 1 | 200 mm | |
| | | 1000 V PATENTED | 13 86 200 | Pliers for Electrical Installation | | 1 | 200 mm | |
| | | PATENTED | 16 95 01 SB | KNIPEX ErgoStrip®, Universal Stripping Tool | | 1 | 135 mm | |
| | | 1000 V | 70 06 160 | Diagonal Cutter | | 1 | 160 mm | |
| | | | 87 01 180 | KNIPEX Cobra®, Hightech Water Pump Pliers | | 1 | 180 mm | |
| | | PATENTED | 97 53 04 | Self-Adjusting Crimping Pliers for wire end sleeves with lateral access | | 1 | 180 mm | |
| | | 1000 V | 98 52 | Cable Knife | | 1 | 185 mm | |
| | | 1000 V | | Kraftform Kompakt VDE 16 extra slim 1, 16 parts | Wera | 1 | | |
| | | | | Spirit level type 70 Electric | Stabila | 1 | 430 mm | |
| **00 21 36 LE** | 082576 | | Tool Case “Robust34“, empty | | | | | 7100 |

# Tool Case “Robust45 Move“ Electric

## Large and robust: travel case with a comprehensive range of tools for the mobile electrician

- Extensively equipped with 63 brand tools, partly VDE-tested according to DIN EN 60900
- Max. payload: 35 kg
- Volume: 45 litres

> Gas pressure absorber in the hinge
> Pneumatically cushioned lid
> Document compartment; tool boards made from dirt-repelling twin-wall PP sheets with space for 46 tool pockets and various tool straps
> With a total of 147 inserting options
> Base tray with aluminium separators
> Extendable telescopic handle for comfortable transport
> Large smooth-running wheels
> Dimensions, exterior (W x H x D): 609 x 428 x 263 mm
Dimensions, interior (W x H x D): 540 x 364 x 229 mm

> **For further benefits of the case, see page 313**

**00 21 37 LE**
Case supplied without tools



Gas pressure absorber in the hinge: convenient opening of the lid, with no risk of injury from the case closing inadvertently



**00 21 37**



With large smooth-running wheels



Extendable telescopic handle

### Content overview

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 00 11 01 KNIPEX |  | 26 26 200 KNIPEX |  | 97 53 04 KNIPEX |  | Wera |  |
| 08 26 145 KNIPEX |  | 70 06 160 KNIPEX |  | 98 52 KNIPEX |  | **16 parts** Wera |  |
| 12 42 195 KNIPEX |  | 74 06 200 KNIPEX |  | **2 x** 98 2X XX SL KNIPEX |  | Stabila |  |
| 13 86 200 KNIPEX |  | 86 03 180 KNIPEX |  | Picard |  | Stabila |  |
| 16 95 01 SB KNIPEX |  | 87 01 180 KNIPEX |  | Wera |  | Rennsteig |  |



Handles on left and right permit comfortable carrying with two people



00 21 37 LE – Case supplied without tools



With telescopic handle for comfortable transport – even on uneven terrain

| Article No. | EAN 4003773- | | | | | Number | Nominal size | g |
|---|---|---|---|---|---|---|---|---|
| **00 21 37** | 082606 | | Tool Case "Robust45 Move" Electric, 63 parts | | | | | 15000 |
| | | PATENTED | 00 11 01 | KNIPEX TwinKey®, Control Cabinet Key | KNIPEX | 1 | | |
| | | 1000 V | 08 26 145 | Needle-Nose Combination Pliers | | 1 | 145 mm | |
| | | | 12 42 195 | KNIPEX MultiStrip 10, Automatic Insulation Stripper | | 1 | 195 mm | |
| | | 1000 V PATENTED | 13 86 200 | Pliers for Electrical Installation | | 1 | 200 mm | |
| | | PATENTED | 16 95 01 SB | KNIPEX ErgoStrip®, Universal Stripping Tool | | 1 | 135 mm | |
| | | | 26 26 200 | Snipe Nose Side Cutting Pliers | | 1 | 200 mm | |
| | | 1000 V | 70 06 160 | Diagonal Cutter | | 1 | 160 mm | |
| | | 1000 V | 74 06 200 | High Leverage Diagonal Cutter | | 1 | 200 mm | |
| | | | 86 03 180 | Pliers Wrench | | 1 | 180 mm | |
| | | | 87 01 180 | KNIPEX Cobra®, Hightech Water Pump Pliers | | 1 | 180 mm | |
| | | PATENTED | 97 53 04 | Self-Adjusting Crimping Pliers for wire end sleeves | | 1 | 180 mm | |
| | | 1000 V | 98 52 | Cable Knife | | 1 | 190 mm | |
| | | 1000 V | 98 25 01 SL | VDE-screwdriver PZ1 | | 1 | PZ1 x 80 mm | |
| | | 1000 V | 98 20 35 SL | VDE-screwdriver 3,5 | | 1 | 0.6 x 3.5 x 100 mm | |
| | | | | Locksmith's hammer, 300g | Picard | 1 | | |
| | | | | Zyklop set of metal ratchets, 8100 SA 8, 28 parts | Wera | 1 | 1/4" | |
| | | | | Joker open-end wrench | | 1 | 10x13 mm | |
| | | 1000 V | | Kraftform Kompakt VDE 16 extra slim 1, 16 parts | | 1 | | |
| | | | | Pocket Electric spirit level | Stabila | 1 | 68 mm | |
| | | | | Spirit level type 70 Electric | | 1 | 430 mm | |
| | | | | Electrician's Chisel | Rennsteig | 1 | 250x10 mm | |
| **00 21 37 LE** | 082590 | | Tool Case "Robust45 Move", empty | | | | | 10800 |

# Tool Case “Robust45 Move“ Mechanics

## All-round equipment for professional mechanics

- Extensively equipped with 90 brand tools, partly VDE-tested according to DIN EN 60900
- Max. payload: 35 kg
- Volume: 45 litres

> Gas pressure absorber in the hinge
> Pneumatically cushioned lid
> Document compartment; tool boards made from dirt-repelling twin-wall PP sheets with space for 46 tool pockets and various tool straps
> With a total of 147 inserting options
> Base tray with aluminium separators
> Extendable telescopic handle for comfortable transport
> Large smooth-running wheels
> Dimensions, exterior (W x H x D): 609 x 428 x 263 mm
Dimensions, interior (W x H x D): 540 x 364 x 229 mm

> **For further benefits of the case, see page 313**

**00 21 37 LE**
Case supplied without tools



Gas pressure absorber in the hinge: convenient opening of the lid, with no risk of injury from the case closing inadvertently



**00 21 37 M**



Extendable telescopic handle



With large smooth-running wheels

## Content overview

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 00 11 01 KNIPEX |  | 26 22 200 KNIPEX |  | **20 x** Wera |  | Stabila |  |
| 70 02 160 KNIPEX |  | 78 61 140 KNIPEX |  | Picard |  | Heyco |  |
| 74 02 200 KNIPEX |  | 16 95 01 SB KNIPEX |  | Wera |  | Rennsteig |  |
| 71 31 200 KNIPEX |  | 16 20 50 SB KNIPEX |  | Wera |  | Rennsteig |  |
| 26 12 200 KNIPEX |  | 86 01 250 KNIPEX |  | Stabila |  | | |

| Article No. | EAN 4003773- | | | | | Number | Nominal size | g |
|---|---|---|---|---|---|---|---|---|
| **00 21 37 M** | 086222 | | Tool Case “Robust45 Move“ Mechanics, 90 parts | | | | | 12800 |
| | | PATENTED | 00 11 01 | KNIPEX TwinKey®, Control Cabinet Key | KNIPEX | 1 | | |
| | | | 70 02 160 | Diagonal Cutter | | 1 | 160 mm | |
| | | | 74 02 200 | High Leverage Diagonal Cutter | | 1 | 200 mm | |
| | | | 71 31 200 | KNIPEX CoBolt Compact Bolt Cutters | | 1 | 200 mm | |
| | | | 26 12 200 | Snipe Nose Side Cutting Pliers | | 1 | 200 mm | |
| | | ∡40° | 26 22 200 | Snipe Nose Side Cutting Pliers | | 1 | 200 mm | |
| | | | 78 61 140 | Electronic Super Knips XL | | 1 | 140 mm | |
| | | PATENTED | 16 95 01 SB | KNIPEX ErgoStrip®, Universal Stripping Tool | | 1 | 135 mm | |
| | | | 16 20 50 SB | Folding Knife for Electricians | | 1 | 120 mm | |
| | | | 86 01 250 | Pliers Wrench | | 1 | 250 mm | |
| | | | 87 01 250 | KNIPEX Cobra®, Hightech Water Pump Pliers | | 1 | 250 mm | |
| | | | | 350 PH Screwdriver for Phillips screws | Wera | 1 | PH1 x 80 mm | |
| | | | | 917 SPH Screwdriver for Phillips screws | | 1 | PH2 x 100 mm | |
| | | | | 350 PH Screwdriver for Phillips screws | | 1 | PH3 x 150 mm | |
| | | | | 355 PZ Screwdriver for Phillips screws | | 1 | PZ1 x 80 mm | |
| | | | | 355 PZ Screwdriver for Phillips screws | | 1 | PZ2 x 100 mm | |
| | | | | 355 PZ Screwdriver for Phillips screws | | 1 | PZ3 x 150 mm | |
| | | | | 335 Screwdriver for slotted screws | | 1 | 3.5 x 100 mm | |
| | | | | 335 Screwdriver for slotted screws | | 1 | 4.0 x 100 mm | |
| | | | | 932 A Screwdriver for slotted screws | | 1 | 5.5 x 100 mm | |
| | | | | 932 A Screwdriver for slotted screws | | 1 | 7.0 x 125 mm | |
| | | | | 932 A Screwdriver for slotted screws | | 1 | 7.0 x 125 mm | |
| | | | | 367 Screwdriver for TORX® screws | | 1 | TX 10 x 80 | |
| | | | | 367 Screwdriver for TORX® screws | | 1 | TX 15 x 80 | |
| | | | | 367 Screwdriver for TORX® screws | | 1 | TX 20 x 100 | |
| | | | | 367 Screwdriver for TORX® screws | | 1 | TX 25 x 100 | |
| | | | | 367 Screwdriver for TORX® screws | | 1 | TX 30 x 115 | |
| | | | | 2050 Screwdriver for Phillips screws | | 1 | PH0 x 60 mm | |
| | | | | 2050 Screwdriver for Phillips screws | | 1 | PH00 x 60 mm | |
| | | | | 2035 Screwdriver for slotted screws | | 1 | 1.5 x 60 mm | |
| | | | | 2035 Screwdriver for slotted screws | | 1 | 2.5 x 80 mm | |
| | | | | Locksmith's hammer | Picard | 1 | 300 g | |
| | | | | 8100 SA 8 Zyklop set of metal ratchets, 28 parts | Wera | 1 | 1/4" | |
| | | | | Set of hex key wrenches | | 1 | 1.5 - 10 mm | |
| | | | | Wooden folding rule | KNIPEX | 1 | 185 mm | |
| | | | | Spirit level type 70 Electric | Stabila | 1 | 430 mm | |
| | | | | Combination wrench set | Heyco | 1 | | |
| | | | | Set of parallel pin punches | Rennsteig | 1 | | |
| | | | | Automatic centre punch | | 1 | 130 mm | |
| **00 21 37 LE** | 082590 | | Tool Case “Robust45 Move“, empty | | | | | 10800 |

# Tool Case “Vision24“ Electric

## Well sorted and tidy: the standard tool case with versatile basic equipment

- Equipped with 20 brand tools, partly VDE-tested according to DIN EN 60900
- Max. payload: 20 kg
- Volume: 24 litres

> Flexible options due to the individual partitioning of the inserts in the 60 mm deep base tray and its cover plate with six large tool compartments
> Tough ratchet hinges hold the lid open where necessary despite the deadweight of the tools
> Strong, ergonomic handle, snaps into place at a 90° angle
> Removable tool board with 15 tool pockets on the base side and six tool pockets as well as a clamp compartment (400 mm wide) on the cover side, held by a push button
> Two lockable steel flip locks protect the case contents from theft
> With circumferential double aluminium frame
> Rugged design made of ABS material, black
> Cover and tool boards made from dirt-repellent PP twin-wall sheets
> Dimensions, exterior (W x H x D): 480 x 380 x 180 mm
Dimensions, interior (W x H x D): 460 x 310 x 170 mm



**00 21 20**



**00 21 20 LE**
Case supplied without tools

| Article No. | EAN 4003773- | | | | | Number | Nominal size | g |
|---|---|---|---|---|---|---|---|---|
| **00 21 20** | 052166 | | Tool Case “Vision24“ Electric, 20 parts | | | | | 7225 |
| | | 1000 V | 03 06 180 | Combination Pliers | KNIPEX | 1 | 180 mm | |
| | | | 12 40 200 | Self-Adjusting Insulation Stripper | | 1 | 200 mm | |
| | | PATENTED | 16 95 01 SB | KNIPEX ErgoStrip®, Universal Stripping Tool | | 1 | 135 mm | |
| | | 1000 V | 26 16 200 | Snipe Nose Side Cutting Pliers (Stork Beak Pliers) | | 1 | 200 mm | |
| | | 1000 V 40° | 26 26 200 | | | 1 | 200 mm | |
| | | 1000 V | 70 06 160 | Diagonal Cutter | | 1 | 160 mm | |
| | | | 74 06 200 | High Leverage Diagonal Cutter | | 1 | 200 mm | |
| | | | 86 03 180 | Pliers Wrench | | 1 | 180 mm | |
| | | | 87 03 250 | KNIPEX Cobra®, Hightech Water Pump Pliers | | 1 | 250 mm | |
| | | 1000 V | 95 16 200 | Cable Shears with twin cutting edge | | 1 | 200 mm | |
| | | 1000 V | 98 20 25 | Screwdrivers for slotted screws | | 1 | 0.6 x 3.5 x 100 mm | |
| | | 1000 V | 98 20 65 SL | Screwdriver (Slim) for slotted screws | | 1 | 1.2 x 6.5 x 150 mm | |
| | | | 98 20 55 SL | | | 1 | 1.0 x 5.5 x 125 mm | |
| | | | 98 20 40 SL | | | 1 | 0.6 x 3.5 x 100 mm | |
| | | 1000 V | 98 24 01 SL | Screwdrivers for cross recessed Phillips® screws | | 1 | PH1 x 80 mm | |
| | | | 98 24 02 SL | | | 1 | PH2 x 80 mm | |
| | | 1000 V | 98 25 01 SL | Screwdrivers for cross recessed Pozidriv® screws | | 1 | PZ1 x 80 mm | |
| | | | 98 25 02 SL | | | 1 | PZ2 x 80 mm | |
| | | 1000 V | 98 52 | Cable Knife | | 1 | 185 mm | |
| | | | | Voltage detector, single-pole, 247 | Wera | 1 | 0.5 x 3.0 x 70 mm | |
| **00 21 20 LE** | 044567 | | Tool Case “Vision24“, empty | | | | | 4485 |

# Tool Case “Vision27“ Plumbing

## Flexible and extensively equipped: large plumbing range for professionals

- Equipped with 52 brand tools, partly VDE-tested according to DIN EN 60900
- Max. payload: 20 kg
- Volume: 27 litres

> For extensive plumbing and installation work
> Flexible options due to the individual partitioning of the inserts in the 60 mm deep base tray and its cover plate with six large tool compartments
> Tough ratchet hinges hold the lid open where necessary despite the deadweight of the tools
> Strong, ergonomic handle, snaps into place at a 90° angle
> Removable tool board with 15 tool pockets on the base side and six tool pockets as well as a clamp compartment (400 mm wide) on the cover side, held by a push button
> Two lockable steel flip locks protect the case contents from theft
> With circumferential double aluminium frame
> Rugged design made of ABS material, black
> Cover and tool boards made from dirt-repellent PP twin-wall sheets
> Dimensions, exterior (W x H x D): 480 x 380 x 200 mm
Dimensions, interior (W x H x D): 460 x 310 x 190 mm




**00 21 21 HK S**

| Article No. | EAN 4003773- | | | | | Number | Nominal size | g |
|---|---|---|---|---|---|---|---|---|
| **00 21 21 HK S** | 080671 | | Tool Case “Vision27“ Plumbing, 52 parts | | | 1 | | 9600 |
| | | | 86 03 180 | Pliers Wrench | | 1 | 180 mm | |
| | | | 87 01 250 | KNIPEX Cobra®, Hightech Water Pump Pliers | | 1 | 250 mm | |
| | | | 87 01 400 | KNIPEX Cobra® XL, Hightech Water Pump Pliers | | 1 | 400 mm | |
| | | 1000 V | 74 06 180 | High Leverage Diagonal Cutter | KNIPEX | 1 | 180 mm | |
| | | 1000 V 40° | 26 16 200 | Snipe Nose Side Cutting Pliers, (Stork Beak Pliers) | | 1 | 200 mm | |
| | | PATENTED | 00 11 01 | KNIPEX TwinKey®, Control Cabinet Key | | 1 | | |
| | | 1000 V | | Screwdrivers for slotted screws, 160i | | 1 | 0.6 x 3.5 x 100 mm | |
| | | 1000 V | | Screwdrivers for slotted screws, 160i | | 1 | 1.0 x 5.5 x 125 mm | |
| | | 1000 V | | Screwdriver for Torx® screws, 167i | | 1 | TX15 x 80 mm | |
| | | 1000 V | | Screwdriver for Torx® screws, 167i | | 1 | TX20 x 80 mm | |
| | | 1000 V | | Screwdriver for Torx® screws, 167i | | 1 | TX25 x 80 mm | |
| | | 1000 V | | Screwdrivers for cross recessed Phillips® screws, 162i PH | | 1 | PH1 x 80 mm | |
| | | 1000 V | | Screwdrivers for cross recessed Phillips® screws, 162i PH | | 1 | PH2 x 100 mm | |
| | | | | Slotted chisel, 932 A | Wera | 1 | 1.2 x 7.0 x 125 mm | |
| | | | | Slotted chisel, 932 A | | 1 | 1.6 x 9.0 x 150 mm | |
| | | | | Voltage detector, single-pole, 247 | | 1 | 0.5 x 3.0 x 70 mm | |
| | | | | Zyklop set of metal ratchets 8100 SA 8, 28 parts | | 1 | 1/4" | |
| | | | | Joker open-end wrench | | 1 | 10 x 13 mm | |
| | | | | Set of hex key wrenches | | 1 | 1.5 - 10 mm | |
| | | | | Express key | Heyco | 1 | 17 x 19 mm M 10 | |
| | | | | Safety cutter knife | | 1 | 18 mm | |
| | | | | Locksmith's hammer | Picard | 1 | 300 g | |
| | | | | Mason’s Chisels | Rennsteig | 1 | 250 mm | |
| | | | | Spirit level type 70 | Stabila | 1 | 30 cm | |

# KNIPEX L-BOXX®

## Ideal storage and transport solution: the KNIPEX L-BOXX®

- Strong box made of impact- and shock-proof ABS plastic
- Max. payload: 25 kg

> Splash-proof
> Several boxes can be securely joined together
> Flexible inner partitions
> Handle can be lowered into a hollow in the lid to save space
> Ergonomically shaped handles with additional moulded recess on the side for flexible, convenient handling
> With two-piece tool board made from dirt-repellent PP twin-wall sheets
> Tool holders are connected to each other using hook-and-loop
> Cover part with ten pockets and ten elastic straps
> Top of base part with seven pockets and tab for hanging up the tool card; can also be used to lift and set up the L-BOXX®
> Bottom of base part with 7 pockets and 7 elastic straps
> Dimensions, exterior (W x H x D): 442 x 442 x 151 mm
Dimensions, interior (W x H x D): 375 x 311 x 107 mm



**00 21 19 LB**
Case empty, with tool card



**00 21 19 LB LE**
Case empty, without tool card



**00 21 19 LB WK**
Tool card, individually available



The boxes are stackable and can be securely joined together



A lock can be attached to secure the device (lock not included in delivery)



Washable tool boards

| Article No. | EAN 4003773- | | ⚖ g |
|---|---|---|---|
| **00 21 19 LB** | 081616 | KNIPEX L-BOXX®, empty, with tool card | 3200 |
| **00 21 19 LB WK** | 081609 | Two-part tool holder for KNIPEX L-BOXX® | 953 |
| **00 21 19 LB LE** | 081975 | KNIPEX L-BOXX®, empty, without tool card | 2200 |

# KNIPEX L-BOXX® Electric

## Ideal storage and transport solution: the KNIPEX L-BOXX® with a large range of tools for professional electricians

- Equipped with 14 KNIPEX tools, a total of 63 brand tools, partly VDE-tested according to DIN EN 60900

> **For further benefits of the case, see page 315**



**00 21 19 LB E**

### Content overview

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 00 11 01 KNIPEX |  | 26 26 200 KNIPEX |  | 97 53 04 KNIPEX |  | Wera |  |
| 08 26 145 KNIPEX |  | 70 06 160 KNIPEX |  | 98 52 KNIPEX |  | Picard |  |
| 12 42 195 KNIPEX |  | 74 06 200 KNIPEX |  | **2 x** 98 2X XX KNIPEX |  | Rennsteig |  |
| 13 86 200 KNIPEX |  | 86 03 180 KNIPEX |  | **16 parts** Wera |  | Stabila |  |
| 16 95 01 SB KNIPEX |  | 87 01 180 KNIPEX |  | **28 parts** Wera |  | Stabila |  |

| Article No. | EAN 4003773- | | | | | Number | Nominal size | g |
|---|---|---|---|---|---|---|---|---|
| **00 21 19 LB E** | 081623 | | KNIPEX L-BOXX® Electric, 63 parts | | | | | 7800 |
| | | PATENTED | 00 11 01 | KNIPEX TwinKey®, Control Cabinet Key | KNIPEX | 1 | | |
| | | 1000 V | 08 26 145 | Needle-Nose Combination Pliers | | 1 | 145 mm | |
| | | | 12 42 195 | KNIPEX MultiStrip 10, Automatic Insulation Stripper | | 1 | 195 mm | |
| | | 1000 V PATENTED | 13 86 200 | Pliers for Electrical Installation | | 1 | 200 mm | |
| | | PATENTED | 16 95 01 SB | KNIPEX ErgoStrip®, Universal Stripping Tool | | 1 | 135 mm | |
| | | 1000 V 40° | 26 26 200 | Snipe Nose Side Cutting Pliers (Stork Beak Pliers) | | 1 | 200 mm | |
| | | 1000 V | 70 06 160 | Diagonal Cutter | | 1 | 160 mm | |
| | | 1000 V | 74 06 200 | High Leverage Diagonal Cutter | | 1 | 200 mm | |
| | | | 86 03 180 | Pliers Wrench | | 1 | 180 mm | |
| | | | 87 01 180 | KNIPEX Cobra®, Hightech Water Pump Pliers | | 1 | 180 mm | |
| | | PATENTED | 97 53 04 | Self-Adjusting Crimping Pliers for wire end sleeves | | 1 | 180 mm | |
| | | 1000 V | 98 52 | Cable Knife | | 1 | 185 mm | |
| | | 1000 V | 98 25 01 SL | Screwdrivers (Slim) for cross-recessed screws, Pozidriv® | | 1 | PZ 1 x 80 mm | |
| | | 1000 V | 98 20 35 SL | Screwdriver (Slim) for slotted screws | | 1 | 0.6 x 3.5 x 100 mm | |
| | | | | Kraftform Kompakt VDE 16 extra slim 1, 16 parts | | 1 | | |
| | | | | Zyklop set of metal ratchets, 8100 SA 8, 28 parts | Wera | 1 | 1/4" | |
| | | | | Joker open-end wrench | | 1 | 10 x 13 mm | |
| | | | | Locksmith's hammer | Picard | 1 | 300 g | |
| | | | | Electrician's Chisel | Rennsteig | 1 | 250 x 10 mm | |
| | | | | Spirit level type 70 Electric | Stabila | 1 | 430 mm | |
| | | | | Pocket Electric mini spirit level | | 1 | 68 mm | |
| **00 21 19 LB** | 081616 | | KNIPEX L-BOXX®, empty, with tool card | | | | | 3200 |
| **00 21 19 LB WK** | 081609 | | Two-part tool holder for KNIPEX L-BOXX® | | | | | 953 |
| **00 21 19 LB LE** | 081975 | | KNIPEX L-BOXX®, empty, without tool card | | | | | 2200 |

# KNIPEX L-BOXX® Plumbing

## Ideal storage and transport solution: the KNIPEX L-BOXX® with a large range of tools for the plumbing, heating and air-conditioning professional

- Equipped with 13 KNIPEX tools, a total of 52 brand tools, partly VDE-tested according to DIN EN 60900

> **For further benefits of the case, see page 315**



**00 21 19 LB S**

### Content overview

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 00 11 01 KNIPEX |  | 87 01 400 KNIPEX |  | **9 parts** Wera |  | Picard |  |
| 26 16 200 KNIPEX |  | **7 x** 98 2X XX KNIPEX |  | Heyco |  | Stabila |  |
| 74 06 180 KNIPEX |  | Wera |  | Heyco |  | Stabila |  |
| 86 03 250 KNIPEX |  | **28 parts** Wera |  | Rennsteig |  | Zenten |  |
| 87 01 250 KNIPEX |  | Wera |  | Rennsteig |  | | |

| Article No. | EAN 4003773- | | | | | Number | Nominal size | ⚖ g |
|---|---|---|---|---|---|---|---|---|
| **00 21 19 LB S** | 081630 | | KNIPEX L-BOXX® Plumbing, 52 parts | | | | | 9400 |
| | | PATENTED | 00 11 01 | KNIPEX TwinKey®, Control Cabinet Key | KNIPEX | 1 | | |
| | | 1000 V 40° | 26 16 200 | Snipe Nose Side Cutting Pliers (Stork Beak Pliers) | | 1 | 200 mm | |
| | | 1000 V | 74 06 180 | High Leverage Diagonal Cutter | | 1 | 180 mm | |
| | | | 86 03 250 | Pliers Wrench | | 1 | 250 mm | |
| | | | 87 01 250 | KNIPEX Cobra®, Hightech Water Pump Pliers | | 1 | 250 mm | |
| | | | 87 01 400 | KNIPEX Cobra® XL, Hightech Water Pump Pliers | | 1 | 400 mm | |
| | | 1000 V | 98 20 35 | Screwdrivers for slotted screws | | 1 | 0.6 x 3.5 x 100 mm | |
| | | 1000 V | 98 20 55 | Screwdrivers for slotted screws | | 1 | 1.0 x 5.5 x 125 mm | |
| | | 1000 V | 98 26 15 | Screwdriver for Torx® screws | | 1 | TX15 x 80 mm | |
| | | 1000 V | 98 26 20 | Screwdriver for Torx® screws | | 1 | TX20 x 80 mm | |
| | | 1000 V | 98 26 25 | Screwdriver for Torx® screws | | 1 | TX25 x 80 mm | |
| | | 1000 V | 98 24 01 | Screwdrivers for cross-recessed screws, Phillips® | | 1 | PH1 x 80 mm | |
| | | 1000 V | 98 24 02 | Screwdrivers for cross-recessed screws, Phillips® | | 1 | PH2 x 100 mm | |
| | | | | Voltage detector, single-pole, 247 | Wera | 1 | 0.5 x 3.0 x 70 mm | |
| | | | | Zyklop set of metal ratchets, 8100 SA 8, 28 parts | | 1 | 1/4" | |
| | | | | Joker open-end wrench | | 1 | 10 x 13 mm | |
| | | | | Set of hex key wrenches | | 1 | 1.5 - 10 mm | |
| | | | | Express key | Heyco | 1 | 17 x 19 mm M 10 | |
| | | | | Safety cutter knife | | 1 | 18 mm | |
| | | | | Electrician's Chisel | Rennsteig | 1 | 250 x 10 mm | |
| | | | | Mason's Chisels | | 1 | 250 mm | |
| | | | | Locksmith's hammer | Picard | 1 | 300 g | |
| | | | | Spirit level type 70 | Stabila | 1 | 30 cm | |
| | | | | Metre ruler (yardstick) | | 1 | 2 m | |
| | | | | Pipe cutter | Zenten | 1 | 3 - 35 mm / 1/8 - 1 1/2" | |
| **00 21 19 LB** | 081616 | | KNIPEX L-BOXX®, empty, with tool card | | | | | 3200 |
| **00 21 19 LB WK** | 081609 | | Two-part tool holder for KNIPEX L-BOXX® | | | | | 953 |
| **00 21 19 LB LE** | 081975 | | KNIPEX L-BOXX®, empty, without tool card | | | | | 2200 |

# Tool bag “Classic“ Electric

## Tried-and-tested: the handy tool bag with tool equipment

- Equipped with 23 brand tools, partly VDE-tested according to DIN EN 60900

> Light design made of hard-wearing, reinforced polyester fabric
> Front additionally reinforced with aluminium brackets
> Semi-fold-out front with adjustable loops and exterior document compartment
> With galvanized steel base tray
> With carrying handle and adjustable shoulder strap
> Dimensions, exterior (W x H x D): 440 x 270 x 180 mm
Dimensions, interior (W x H x D): 420 x 250 x 160 mm




**00 21 02 EL**



**00 21 02 LE**
Bag without tools

| Article No. | EAN 4003773- | | | | | Number | Nominal size | g |
|---|---|---|---|---|---|---|---|---|
| **00 21 02 EL** | 081951 | | Tool bag “Classic“ Electric, 23 parts | | | | | 6700 |
| | | 1000 V | 03 06 180 | Combination Pliers | KNIPEX | 1 | 180 mm | |
| | | 1000 V | 11 06 160 | Insulation Stripper | | 1 | 160 mm | |
| | | 1000 V | 26 16 200 | Snipe Nose Side Cutting Pliers (Stork Beak Pliers) | | 1 | 200 mm | |
| | | 1000 V | 70 06 160 | Diagonal Cutter | | 1 | 160 mm | |
| | | 1000 V | 98 52 | Cable Knife | | 1 | 185 mm | |
| | | PATENTED | 16 95 01 SB | KNIPEX ErgoStrip®, Universal Stripping Tool | | 1 | 135 mm | |
| | | 1000 V | 98 20 25 | Screwdrivers for slotted screws | | 1 | 0.4 x 2.5 x 75 mm | |
| | | 1000 V | 98 20 35 SL | Screwdriver (Slim) for slotted screws | | 1 | 0.6 x 3.5 x 100 mm | |
| | | 1000 V | 98 20 55 SL | | | 1 | 1.0 x 5.5 x 115 mm | |
| | | 1000 V | 98 20 65 SL | | | 1 | 1.2 x 6.5 x 150 mm | |
| | | 1000 V | 98 24 01 SL | Screwdrivers (Slim) for cross-recessed screws, Phillips® | | 1 | PH1 x 80 mm | |
| | | 1000 V | 98 24 02 SL | | | 1 | PH2 x 100 mm | |
| | | | 16 20 165 | Dismantling Tool | | 1 | 165 mm | |
| | | | | Voltage detector, single-pole, 247 | Wera | 1 | 0.5 x 3.0 x 70 mm | |
| | | | | Mason’s Chisels | Rennsteig | 1 | 300 x 29 mm | |
| | | | | Electrician’s Chisel | | 1 | 250 x 10 mm | |
| | | | | Locksmith’s hammer | Ruthe | 1 | 300 g | |
| | | | | Chipping hammer | Picard | | 800 g | |
| | | | | Metre ruler (yardstick) | | 1 | 2 m | |
| | | | | Flat brush | | 1 | 40 mm | |
| | | | | Plaster bowl | | 1 | 127 x 94 mm | |
| | | | | PUK® Junior Hacksaw | Haunstätter | 1 | 150 x 240 mm | |
| | | | | Painter's spatula, wood, high quality | Maurerfreund | 1 | 40 mm | |
| **00 21 02 LE** | 057499 | | Tool bag “Classic“, empty | | | | | 2970 |

# Tool bag “Compact“ Electric

- Equipped with 12 KNIPEX tools, partly VDE-tested according to DIN EN 60900

> Compact tool bag for the service technician
> Suitable as an insert for: “Basic“ 00 21 05 LE, “BIG Basic Move“ 00 21 06 LE, “BIG Twin Move“ 00 21 41 LE, “BIG Twin“ 00 21 42 LE, “BIG Twin Move RED“ 98 99 15 LE and other popular tool cases
> With 8 tool pouches and 7 tool straps
> Slip-through back strap to attach to a trolley
> Made from tough polyester fabric, with zip fastener
> Bag without tools



**00 21 11**



**00 21 11 LE**
Bag without tools

| Article No. | EAN 4003773- | | | | Quantity | g |
|---|---|---|---|---|---|---|
| **00 21 11** | 084532 | | | Tool Bag “Compact“ Electric | | 2975 |
| | 026662 | | 12 40 200 | Self-Adjusting Insulation Stripper | 1 | 202 |
| | 035565 | 1000 V | 98 52 | Cable Knife | 1 | 67 |
| | 028017 | PATENTED | 97 53 04 | Self-Adjusting Crimping Pliers for wire ferrules with lateral access | 1 | 459 |
| | 022022 | | 87 01 250 | KNIPEX Cobra® Hightech Water Pump Pliers | 1 | 335 |
| | 079767 | 1000 V | 98 24 02 SL | Screwdriver (Slim) for cross-recessed screws Phillips® | 1 | 94 |
| | 079774 | 1000 V | 98 25 01 SL | Screwdriver (Slim) for cross-recessed screws Pozidriv® | 1 | 56 |
| | 079781 | | 98 25 02 SL | Screwdriver (Slim) for cross-recessed screws Pozidriv® | 1 | 90 |
| | 079712 | 1000 V | 98 20 35 SL | Screwdriver (Slim) for slotted screws | 1 | 35 |
| | 075097 | 1000 V PATENTED | 13 86 200 | Pliers for Electrical Installation | 1 | 280 |
| | 079927 | PATENTED | 16 95 01 SB | KNIPEX ErgoStrip® Universal Stripping Tool | 1 | 75 |
| | 021995 | 1000 V | 70 06 160 | Diagonal Cutter | 1 | 216 |
| | 084099 | 1000 V | 78 06 125 | Electronic Super Knips VDE | 1 | 60 |
| **00 21 11 LE** | 077718 | Tool Bag “Compact“ empty | | | | |

# Crimp Assortments

## for non-insulated wire ferrules

> In a TANOS MINI-systainer® (solid plastic box)
> T-Loc fastener for one-handed operation: open or close the systainer® with one turn and connect to a second systainer®
> Opening when connected: fast and simple access to content without disconnecting
> Two stackable plastic inserts with 6 trays each for connectors
> With an assortment of wire ferrules with/without collar

**97 90 05**
> With Crimping Pliers for end sleeves 97 71 180; Wire end sleeves without collar

**97 90 17**
> With crimping pliers for wire ferrules 97 53 09 and self-adjusting insulation stripper 12 42 195

**97 90 23**
> With Crimping Pliers KNIPEX PreciForce for wire end sleeves 97 52 38

**97 90 06**
> With Crimping Pliers for end sleeves 97 71 180; Wire end sleeves with collar

**97 90 09**
> With Self-Adjusting Crimping Pliers for wire end sleeves 97 53 04

**97 90 10**
> With Self-Adjusting Insulation Stripper 12 40 200; With Self-Adjusting Crimping Pliers for wire end sleeves 97 53 04

**97 90 13**
> With KNIPEX Twistor®16 97 53 18 crimping pliers for wire ferrules

**97 90 14**
> With crimping pliers for wire ferrules KNIPEX Twistor®16 97 53 18 and automatic insulation stripper KNIPEX PreciStrip16 12 52 195

**97 90 15**
> With crimping pliers for wire ferrules 97 53 09 and automatic insulation stripper KNIPEX PreciStrip16 12 52 195

**97 90 16**
> With crimping pliers for wire ferrules 97 53 09 and self-adjusting insulation stripper 12 40 200



97 90 05



97 90 10



97 90 13



97 90 23



Several boxes can be connected with each other

| Article No. | EAN 4003773- | | Pliers | 200 x mm² | 150 x mm² | 100 x mm² | 75 x mm² | 50 x mm² | 40 x mm² | ⚖ g |
|---|---|---|---|---|---|---|---|---|---|---|
| **97 90 05** | 025535 | | 97 71 180 | 0,5 / 0,75 / 1 / 1,5 / 2,5 | 4 / 6 | | | 10 / 16 | | 930 |
| **97 90 06** | 025542 | | 97 71 180 | 0,5 / 0,75 / 1 / 1,5 | 2,5 | | 6 | 10 | 16 | 1000 |
| **97 90 09** | 028574 | | 97 53 04 | 0,5 / 0,75 / 1 / 1,5 / 2,5 | | 4 / 6 | | 10 | | 1420 |
| **97 90 10** | 046202 | | 12 40 200<br>97 53 04 | 0,5 / 0,75 / 1 / 1,5 / 2,5 | | 4 / 6 | | 10 | | 1353 |
| **97 90 13** | 083474 | | 97 53 18 | 0,5 / 0,75 / 1 / 1,5 | 2,5 | | 6 | 10 | 16 | 1270 |
| **97 90 14** | 084884 | | 97 53 18<br>12 52 195 | 0,5 / 0,75 / 1 / 1,5 | 2,5 | | 6 | 10 | 16 | 1450 |
| **97 90 15** | 084877 | | 97 53 09<br>12 52 195 | | | 1,5 / 2,5 | | 6 | 4 | 1450 |
| **97 90 16** | 086024 | | 12 40 200<br>97 53 09 | 0,5 / 0,75 / 1 / 1,5 / 2,5 | | 4 / 6 | | 10 | | 1450 |
| **97 90 17** | 086031 | | 97 53 09 | 0,5 / 0,75 / 1 / 1,5 / 2,5 | | 4 / 6 | | 10 | | 1450 |
| **97 90 23** | 062158 | | 97 52 38 | 0,5 / 0,75 / 1 / 1,5 / 2,5 | | 4 / 6 | | | | 1226 |
| **97 90 00 LE** | 054009 | TANOS MINI-systainer® empty | | | | | | | | 900 |

# Crimp Assortments

## for cable connectors

> In a TANOS MINI-systainer® (solid plastic box)
> T-Loc fastener for one-handed operation: open or close the systainer® with one turn and connect to a second systainer®
> Opening when connected: fast and simple access to content without disconnecting
> Two stackable plastic inserts with 6 trays each for connectors
> With an assortment of standard cable connectors



97 90 21



97 90 22

**97 90 21**
> With Crimping Pliers KNIPEX PreciForce® 97 52 36 (for insulated terminals and plug connectors)

**97 90 22**
> With Self-Adapting Universal Insulation Stripper KNIPEX Multi-strip 10, 12 42 195; with Crimping Pliers KNIPEX PreciForce® 97 52 36 (for insulated terminals and plug connectors)

**97 90 25**
> With crimping pliers 97 22 240

**97 90 26**
> With crimping pliers 97 32 240



97 90 25



97 90 26

| Article No. | EAN 4003773- | | Pliers | Cable Connectors | Quantity | Cable mm² | g |
|---|---|---|---|---|---|---|---|
| **97 90 21** | 062134 |  | 97 52 36 | Blade Terminal Sockets, 6.3 x 0.8 mm | 25 | 0,5 - 1 | 1416 |
| | | | | | 25 | 1,5 - 2,5 | |
| | | | | | 25 | 0,5 - 1 | |
| | | | | Round Sockets, Ø 4 mm | 25 | 0,5 - 1 | |
| | | | | Cable Connectors, eye type, Ø 4 mm | 25 | 4 - 6 | |
| | | | | | 25 | 4 - 6 | |
| | | | | Cable Connectors, eye type, Ø 5 mm | 25 | 1,5 - 2,5 | |
| | | | | | 25 | 1,5 - 2,5 | |
| | | | | Cable Connectors, eye type, Ø 6 mm | 25 | 1,5 - 2,5 | |
| | | | | Butt Connectors, insulated, red | 25 | 0,5 - 1 | |
| | | | | Butt Connectors, insulated, blue | 25 | 4 - 6 | |
| | | | | Round Pin Plugs, Ø 4 mm | 25 | 1,5 - 2,5 | |
| **97 90 22** | 062141 |  | 97 52 36<br>12 42 195 | Blade Terminal Sockets, 6.3 x 0.8 mm | 25 | 0,5 - 1 | 1527 |
| | | | | | 25 | 1,5 - 2,5 | |
| | | | | Cable Connectors, eye type, Ø 4 mm | 25 | 0,5 - 1 | |
| | | | | Cable Connectors, eye type, Ø 5 mm | 25 | 0,5 - 1 | |
| | | | | Cable Connectors, eye type, Ø 6 mm | 25 | 1,5 - 2,5 | |
| | | | | Cable Connectors, eye type, Ø 8 mm | 25 | 1,5 - 2,5 | |
| | | | | Cable Connectors, eye type, Ø 4 mm | 25 | 1,5 - 2,5 | |
| | | | | Cable Connectors, eye type, Ø 5 mm | 25 | 4 - 6 | |
| | | | | Cable Connectors, eye type, Ø 6 mm | 25 | 4 - 6 | |
| | | | | Butt Connectors, insulated, red | 25 | 0,5 - 1 | |
| | | | | Butt Connectors, insulated, blue | 25 | 1,5 - 2,5 | |
| | | | | Butt Connectors, insulated, yellow | 25 | 4 - 6 | |
| **97 90 25** | 076971 |  | 97 22 240 | Blade Terminal Sockets, 6.3 x 0.8 mm | 25 | 0,5 - 1,5 | 1150 |
| | | | | | 25 | 1 - 2,5 | |
| | | | | Cable Connectors, eye type, Ø 4 mm | 25 | 0,5 - 1 | |
| | | | | Cable Connectors, eye type, Ø 5 mm | 25 | 1,5 - 2,5 | |
| | | | | Cable Connectors, eye type, Ø 4 mm | 25 | 4 - 6 | |
| | | | | Cable Connectors, eye type, Ø 5 mm | 25 | 0,5 - 1 | |
| | | | | Cable Connectors, eye type, Ø 6 mm | 25 | 1,5 - 2,5 | |
| | | | | | 25 | 0,5 - 1 | |
| | | | | Cable Connectors, eye type, Ø 8 mm | 25 | 1,5 - 2,5 | |
| | | | | Butt Connectors, insulated, red | 25 | 0,5 - 1 | |
| | | | | Butt Connectors, insulated, blue | 25 | 1,5 - 2,5 | |
| | | | | Butt Connectors, insulated, yellow | 25 | 4 - 6 | |
| **97 90 26** | 079521 |  | 97 32 240 | Non-insulated Blade Terminal Sockets 6.3 x 0.8 mm | 25 | 1,5 - 2,5 | 1420 |
| | | | | | 25 | 4 - 6 | |
| | | | | Blade Terminal Sockets 6.3 x 0.8 mm | 25 | 0,5 - 1 | |
| | | | | | 25 | 0,5 - 1 | |
| | | | | | 25 | 1,5 - 2,5 | |
| | | | | Blade Terminal Plugs 6.3 x 0.8 mm | 25 | 1,5 - 2,5 | |
| | | | | | 25 | 4 - 6 | |
| | | | | Cable Connectors, eye type Ø 4 mm | 25 | 4 - 6 | |
| | | | | | 25 | 0,5 - 1 | |
| | | | | Butt Connectors, insulated, red | 25 | 1,5 - 2,5 | |
| | | | | Butt Connectors, insulated, blue | 25 | 0,5 - 1 | |
| | | | | Butt Connectors, insulated, yellow | 25 | 0,5 - 1 | |
| **97 90 00 LE** | 054009 | TANOS MINI-systainer® empty | | | | | 900 |

# Tool Case for Photovoltaics

> With tools for photovoltaics
> Without crimping dies – please order separately (see ref. 97 49...) for individual assortment
> With service tools (hexagonal key) for the change of crimping dies
> Shock-resistant plastic case
> Foam insert with recesses for tools, crimping dies and locators
> Dimensions, exterior (W x H x D): 345 x 80 x 280 mm



**97 91 01**

| Article No. | EAN 4003773- | | | | Quantity | g |
|---|---|---|---|---|---|---|
| **97 91 01** | 070351 | | Tool Case for Photovoltaics | | | 1964 |
| | | | 12 12 11 | Precision Insulation Stripper, with adapted blades | 1 | |
| | | 1000 V | 95 16 165 | Cable Shears | 1 | |
| | | | 97 43 200 | Crimp System Pliers, for exchangeable crimping dies | 1 | |

# Compact Tool Case

## 17 parts

▸ With insulated tools for works on electrical installations

> Shock-resistant plastic case
> Foam insert with precise recesses for holding the pliers
> Equipped with a range of customary insulated KNIPEX tools for work on electrical systems
> All tools are tested one by one and meet the requirements of ASTM F1505 and IEC 60900
> Dimensions, exterior (W x H x D): 380 x 85 x 260 mm
> DIN EN 60900, IEC 60900



98 99 11

| Article No. | EAN 4003773- | | | | Quantity | 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 | 98 42 | Reversible Ratchet, with driving square 1/2" | 1 | |
| | | 1000 V | 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 | 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 Tool Case

## 26 parts

▸ With insulated tools for works on electrical installations

> Shock-resistant plastic case
> Foam insert with precise recesses for holding the pliers
> Equipped with a range of customary insulated KNIPEX tools for work on electrical systems
> Fixable partition wall
> Dimensions, exterior (W x H x D): 440 x 105 x 385 mm



**98 99 12**

| Article No. | EAN 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 | |
| | | | 98 20 25 | | 1 | |
| | | | 98 20 35 | | 1 | |
| | | 1000 V | 98 20 40 | Screwdrivers for slotted screws | 1 | |
| | | | 98 20 55 | | 1 | |
| | | | 98 24 00 | | 1 | |
| | | 1000 V | 98 24 01 | Screwdriver for cross recessed screws,Phillips® | 1 | |
| | | | 98 24 02 | | 1 | |
| | | 1000 V 1/2 | 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 bag “Stretched”

## Handy, but roomy: the tool bag for long tools

> Made of hard-wearing polyester fabric
> For tools up to 450 mm in length
> With two compartments on the back
> With carrying handle and adjustable shoulder strap
> Closing strap made of leather
> Bag without tools



**00 21 07 LE**

| Article No. | EAN 4003773- | Dimension exterior (interior) width mm | Dimension exterior (interior) height mm | Dimension exterior (interior) depth mm | g |
|---|---|---|---|---|---|
| **00 21 07 LE** | 071358 | 550 (530) | 225 (190) | 190 (160) | 1760 |

# Tool bag “LightPack”

## Lightweight and durable, securely locked but quick to open: good for the service vehicle, good for the boot

> Can be opened from both sides
> Made from tough polyester fabric, with zip fasteners and hook-and-loop fastener
> Tool loops inside
> Plastic base tray
> Steel handle with softgrip
> Shoulder strap (can also be used as tool belt)
> Max. payload: 20 kg
> Bag without tools



**00 21 08 LE**







| Article No. | EAN 4003773- | Dimension exterior (interior) width mm | Dimension exterior (interior) height mm | Dimension exterior (interior) depth mm | g |
|---|---|---|---|---|---|
| **00 21 08 LE** | 077787 | 480 (450) | 380 (310) | 300 (260) | 2800 |

# Tool bag “Service”

## Everything you need: store your tools and notebook safely

> Lined inside pouch for notebook and DIN A4 documents; also with DIN A4 zipped compartment
> 90° fold-out front pouch with 8 tool pouches and one small inside pouch
> Reverse side of the front pouch with 5 tool pouches and 3 pen pouches
> Removable tool board with 8 tool pouches on the front and 2 rows of elastic loops on the back
> Splash-water-protected bottom
> Adjustable shoulder belt with quick-release fastener
> With two carry loops
> Made of hard-wearing polyester fabric
> Bag without tools



**00 21 10 LE**

| Article No. | EAN 4003773- | Dimension exterior (interior) width mm | Dimension exterior (interior) height mm | Dimension exterior (interior) depth mm | g |
|---|---|---|---|---|---|
| **00 21 10 LE** | 074472 | 460 (410) | 310 (300) | 240 | 2700 |

# Tool bag “Compact”

## Everything organised: tools well stored

▶ Compact tool bag for the service technician

> Suitable as an insert for: “Basic“ 00 21 05 LE, “BIG Basic Move“ 00 21 06 LE, “BIG Twin Move“ 00 21 41 LE, “BIG Twin“ 00 21 42 LE, “BIG Twin Move RED“ 98 99 15 LE and other popular tool cases
> With 8 tool pouches and 7 tool straps
> Slip-through back strap to attach to a trolley
> Made from tough polyester fabric, with zip fastener
> Bag without tools





**00 21 11 LE**

| Article No. | EAN 4003773- | Dimension exterior (interior) width mm | Dimension exterior (interior) height mm | Dimension exterior (interior) depth mm | g |
|---|---|---|---|---|---|
| **00 21 11 LE** | 077718 | 410 (380) | 300 (280/280) | 80 (65) | 450 |

# Tool Roll

## empty

> Tool roll made of hard-wearing polyester fabric
> With practical, adjustable quick release fastener
> Dimensions, open (L x H): 450 x 290 mm






| Article No. | EAN 4003773- | g |
|---|---|---|
| **00 19 41 LE** | 035930 | 155 |

# Tool Roll

## empty

> Tool roll made of hard-wearing polyester fabric
> With practical, adjustable quick release fastener
> Dimensions, open (L x H): 830 x 310 mm






| Article No. | EAN 4003773- | g |
|---|---|---|
| **98 99 13 LE** | 028888 | 500 g |

# Belt Pouch

## For two pliers: well stored and close at hand

> For two pliers up to 160 mm in length
> Made of hard-wearing polyester fabric
> With hook-and-loop fastener
> With elastic side holder for small flash lamp, pen or suchlike
> With practical belt clip
> Bag without tools




**00 19 72 LE**



Practical clip for attaching to belt or trousers




For better accessibility, the clip can be fixed on the inside with the hook-and-loop fastener




| Article No. | EAN 4003773- | Width mm | Height mm | Depth mm | g |
|---|---|---|---|---|---|
| **00 19 72 LE** | 070191 | 75 | 180 | 55 | 65 |

# Belt Tool Pouch

## The most important tools straight to you: The tool bag for your belt

> Made of hard-wearing polyester fabric and leather
> With pockets for up to 8 tools
> Tool loops made of leather, riveted
> With snap hook
> Bag without tools




**00 19 73 LE**

| Article No. | EAN 4003773- | Width mm | Height mm | Depth mm | g |
|---|---|---|---|---|---|
| **00 19 73 LE** | 072065 | 170 | 235 | 75 | 210 |

00 11 01 147
00 11 02 147
00 11 03 147
00 11 04 148
00 11 06 148
00 11 06 V01 148
00 11 06 V03 149
00 11 07 149
00 11 V79 146
00 19 41 280
00 19 41 LE 280
00 19 41 LE 336
00 19 55 S4 281
00 19 55 S4 104
00 19 55 S4 LE 281
00 19 55 S5 113
00 19 55 S5 281
00 19 55 S5 LE 113
00 19 55 S5 LE 281
00 19 55 S6 281
00 19 55 S6 LE 281
00 19 55 S7 281
00 19 55 S8 281
00 19 55 S8 LE 281
00 19 55 S9 281
00 19 56 65
00 19 56 282
00 19 56 LE 65
00 19 56 LE 282
00 19 56 V01 65
00 19 56 V01 282
00 19 57 65
00 19 57 282
00 19 57 V01 65
00 19 57 V01 282
00 19 58 LE 66
00 19 58 LE 283
00 19 58 V01 66
00 19 58 V01 283
00 19 58 V02 66
00 19 58 V02 283
00 19 72 LE 337
00 19 72 LE 285
00 19 72 V01 285
00 19 72 XS LE 284
00 19 73 LE 337
00 19 75 LE 158
00 19 92 V01 LE 261
00 19 92 V02 LE 261
00 20 01 V02 67
00 20 01 V02 287
00 20 01 V09 67
00 20 01 V09 287
00 20 01 V15 287
00 20 01 V16 287
00 20 01 V17 287
00 20 03 SB 68
00 20 03 SB 288
00 20 03 V02 68
00 20 03 V02 288
00 20 04 SB 68
00 20 04 SB 288
00 20 04 V01 68
00 20 04 V01 288
00 20 09 V01 290
00 20 09 V02 290
00 20 09 V03 290
00 20 10 290
00 20 11 291
00 20 11 V01 291
00 20 12 291
00 20 12 V01 292
00 20 12 V02 292
00 20 12 V03 292
00 20 12 V04 293
00 20 12 V05 293
00 20 13 291
00 20 15 240
00 20 15 294
00 20 16 260
00 20 16 286
00 20 16 P 260
00 20 16 P 286
00 20 16 P ESD 260
00 20 16 P ESD 286
00 20 17 260
00 20 17 286
00 20 18 260
00 20 18 286
00 20 18 ESD 260
00 20 18 ESD 286
00 20 72 V01 285
00 20 72 V02 285
00 20 72 V04 285
00 20 72 V04 XS 284
00 20 72 V06 285
00 20 90 V01 289
00 20 90 V02 289
00 21 02 EL 327
00 21 02 LE 327
00 21 05 LE 297
00 21 06 301
00 21 06 HK S 303
00 21 06 HL S 300
00 21 06 LE 300
00 21 06 LE 301
00 21 06 LE 299
00 21 06 LE 302
00 21 06 LE 303
00 21 06 M 302
00 21 07 LE 334
00 21 08 LE 334
00 21 10 LE 335
00 21 11 328
00 21 11 LE 335
00 21 11 LE 328
00 21 15 240
00 21 15 294
00 21 15 LE 240
00 21 15 LE 294
00 21 15 LE 240
00 21 15 LE 294
00 21 19 LB E 325
00 21 19 LB LE 324
00 21 19 LB LE 326
00 21 19 LB LE 325
00 21 19 LB S 326
00 21 19 LB WK 324
00 21 19 LB WK 325
00 21 19 LB WK 326
00 21 20 322
00 21 20 LE 322
00 21 21 HK S 323
00 21 25 69
00 21 25 295
00 21 35 314
00 21 35 315
00 21 36 316
00 21 36 317
00 21 37 318
00 21 37 319
00 21 37 M 320
00 21 37 M 321
00 21 41 307
00 21 41 LE 306
00 21 41 LE 307
00 21 42 309
00 21 42 LE 308
00 21 42 LE 309
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00 31 20 V02 293
00 31 20 V03 293
00 31 30 BK V01 289
00 31 30 BK V02 289
00 31 30 BK V03 289
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00 50 02 T BK 276
00 50 03 T BK 276
00 50 04 T BK 276
00 50 05 T BK 276
00 50 06 T BK 276
00 21 19 LB 324
00 21 19 LB 325
00 21 19 LB 326
00 21 35 LE 315
00 21 36 LE 317
00 21 37 LE 319
00 21 37 LE 321
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02 01 225 5
02 02 180 5
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02 02 225 T 5
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02 05 200 5
02 05 225 5
02 06 180 5
02 06 180 202
02 06 200 5
02 06 200 202
02 06 225 5
02 06 225 202
02 07 200 5
02 07 200 202
02 07 225 5
02 07 225 202
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03 01 160 4
03 01 180 4
03 01 200 4
03 01 250 4
03 02 160 4
03 02 180 4
03 02 200 4
03 05 140 4
03 05 160 4
03 05 180 4
03 05 200 4
03 06 160 4
03 06 160 203
03 06 180 4
03 06 180 203
03 06 180 T 4
03 06 180 T 203
03 06 180 T 276
03 06 200 4
03 06 200 203
03 07 160 4
03 07 160 203
03 07 180 4
03 07 180 203
03 07 200 4
03 07 200 203
03 07 250 4
03 07 250 203
08 05 110 7
08 21 145 6
08 22 145 6
08 22 145 T 276
08 22 145 T 6
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08 26 145 T 6
08 26 145 T 204
08 26 145 T 276
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09 02 240 T 276
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09 12 240 T 8
09 12 240 T 276
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10 99 I220 136
11 01 160 18
11 02 160 18
11 05 160 18
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11 06 160 204
11 06 160 T 204
11 06 160 T 276
11 06 160 T 18
11 07 160 18
11 07 160 204
11 09 01 18
11 09 01 204
11 12 160 18
11 17 160 204
11 82 130 19
11 92 140 19
12 11 180 23
12 12 02 23
12 12 06 23
12 12 10 23
12 12 11 23
12 12 12 23
12 12 13 23
12 12 14 23
12 19 02 23
12 19 06 23
12 19 10 23
12 19 11 23
12 19 12 23
12 19 13 23
12 19 14 23
12 19 180 23
12 21 180 23
12 29 180 23
12 40 200 25
12 42 195 24
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12 49 02 25
12 49 03 25
12 49 04 24
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12 49 05 25
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12 49 23 24
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12 59 01 25
12 59 02 25
12 62 180 28
12 64 180 29
12 69 21 28
12 69 23 28
12 69 31 29
12 72 190 27
12 74 180 SB 29
12 79 31 29
12 80 040 SB 30
12 80 100 SB 30
12 82 130 SB 30
12 85 110 SB 31
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13 02 160 12
13 05 160 12
13 05 160 T 12
13 05 160 T 276
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13 46 165 207
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13 66 180 205
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13 72 8 9
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13 82 200 11
13 82 200 T 276
13 82 200 T 11
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13 86 200 208
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13 92 200 11
13 96 200 208
13 96 200 11
13 96 200 T 11
13 96 200 T 276
13 96 200 T 208
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15 19 006 31
15 19 008 31
15 19 010 31
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16 20 165 SB 34
16 20 28 SB 34
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16 29 165 34
16 30 135 SB 35
16 30 145 SB 35
16 39 135 35
16 40 150 36
16 49 150 36
16 60 05 SB 36
16 60 06 SB 37
16 60 100 SB 37
16 64 125 SB 38
16 65 125 SB 38
16 80 125 SB 39
16 80 175 SB 39
16 85 125 SB 39
16 90 130 SB 40
16 95 01 SB 41
16 95 02 SB 41
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19 03 130 12
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20 01 140 44
20 01 160 44
20 01 180 44
20 02 140 44
20 02 160 44
20 05 140 44
20 05 160 44
20 06 160 44
20 06 160 209
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22 02 140 45
22 02 160 45
22 05 140 45
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48 41 J21 59
48 41 J31 59
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49 41 A11 61
49 41 A21 61
49 41 A31 61
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64 62 120 255
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71 72 910 95
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71 79 760 95
71 79 910 95
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72 01 180 78
72 02 125 78
72 09 01 78
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72 62 200 79
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73 06 160 T 213
73 06 160 T 277
73 06 160 T 85
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73 72 180 88
73 72 180 F 88
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74 01 160 87
74 01 180 87
74 01 200 87
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74 02 140 87
74 02 160 87
74 02 180 87
74 02 200 87
74 02 200 T 277
74 02 200 T 87
74 02 250 87
74 02 250 T 87
74 02 250 T 277
74 05 140 87
74 05 160 87
74 05 180 87
74 05 200 87
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74 06 250 T 87
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74 07 200 213
74 07 250 213
74 07 250 87
74 12 160 87
74 12 180 87
74 21 200 87
74 21 250 87
74 22 200 87
74 22 200 T 277
74 22 200 T 87
74 22 250 87
74 22 250 T 87
74 22 250 T 277
74 91 250 89
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75 22 125 250
75 52 125 250
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76 03 125 84
76 05 125 84
76 12 125 84
76 22 125 84
76 81 125 84
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77 02 120 H 253
77 02 120 H ESD 253
77 02 135 H 253
77 02 135 H ESD 253
77 12 115 ESD 252
77 22 115 ESD 252
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77 32 120 H 253
77 32 120 H ESD 253
77 42 115 ESD 252
77 52 115 ESD 252
77 72 115 ESD 252
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78 03 125 ESD 245
78 03 140 246
78 03 140 ESD 247
78 06 125 245
78 13 125 245
78 13 125 ESD 245
78 23 125 245
78 31 125 245
78 41 125 245
78 61 125 245
78 61 125 ESD 245
78 61 140 246
78 61 140 ESD 247
78 71 125 245
78 71 125 ESD 245
78 81 125 245
78 91 125 245
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79 02 120 ESD 249
79 02 125 248
79 02 125 ESD 249
79 02 125 S1 248
79 12 125 248
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79 22 125 248
79 22 125 ESD 249
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79 42 125 ESD 249
79 42 125 Z 248
79 42 125 Z ESD 249
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79 52 125 ESD 249
79 62 125 248
79 62 125 ESD 249
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81 03 250 121
81 11 250 121
81 13 250 121
81 19 250 V01 121
81 19 250 V02 121
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82 01 200 SB 106
82 02 200 106
82 02 200 SB 106
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83 61 010 120
83 61 015 120
83 61 020 120
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84 21 200 142
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85 51 180 C 144
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85 51 250 AF 143
85 51 250 C 144
85 59 250 A 143
85 59 250 C 144
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86 01 250 103
86 01 300 103
86 02 180 103
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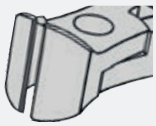
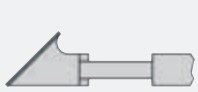
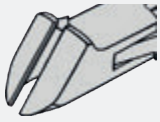
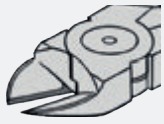
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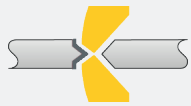
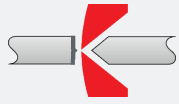



1. Point
2. Gripping surface
3. Recess (pipe grip)
4. Additional cutting edge
5. Jaw
6. Flank

## Direction and position of the cutting edges

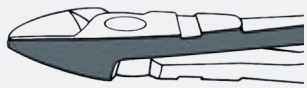
| | | |
|---|---|---|
| **Cutting edge transverse to the longitudinal direction** |  |  |
| **Oblique cutting edge position** |  |  |
| **Cutting edge in longitudinal direction –** diagonal cutter |  |  |
| **Cutting edge in longitudinal direction –** centre cutter |  |  |

## Cutting edge shapes DIN ISO 5742

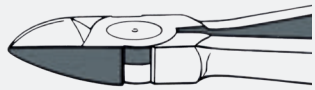
| | | |
|---|---|---|
| **With bevel** (outside bevel) |  |  |
| **With small bevel** (outside bevel) |  |  |
| **With very small bevel** (outside bevel) |  |  |
| **Flush cut** |  |  |
| **Flush cut** |  |  |

## Joint types

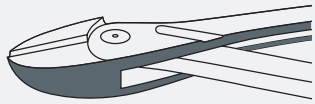
**Lap joint**
With the lap joint, which is used on carpenters' pincers, concretors' nippers and high leverage diagonal cutters, the two halves of the pliers lie on top of each other withou being milled out. The pliers handle can thus be designed to be very robust.



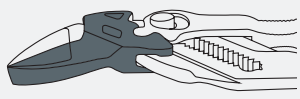
**Single joint**
With the single joint, half the thickness of each pliers handle is milled. Both pliers handles can thus be fitted into one another. The outer sides in the rivet area are smooth and not indented.



**Box joint**
One handle on the pliers is slit. The other handle is pushed through this slot. This joint connection can withstand a high level of load and strain because the joint bolt is supported on both sides and the inside handle is guided on both sides.



**Slip joint**
Slip joints enable optimal adaptation of the gripping jaws of pliers to various workpiece sizes. The opening width of the jaws is increased or decreased for this purpose. This occurs through shifting the two pliers handles with respect to one another.



## Safety instruction

- Each tool should only be used for its specified purpose.
- When using cutting pliers: beware of wire ends flying off. Wear protective goggles and – if needed – gloves. Be aware of bystanders!
- Only handles marked with the symbol 1000 V are insulating.



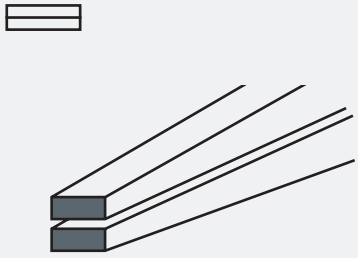
## Care instructions

A drop of oil (e.g. WD-40®) on the polished surfaces and in the joint keeps your pliers in good working order and extends their service life!



## Basic jaw shapes

**Flat nose pliers**



**Snipe nose pliers**



**Round nose pliers**



## Examples of different handle types on a pair of pliers



**Straight handles,**
**fully-metal design without plastic grips**
are used when the hand must be placed at various positions when gripping. This is often the case with carpenters‘ pliers and concretors‘ nippers.




**S-shaped handles,**
**thin plastic coatings**
render pliers slip resistant and pleasant to grip. They support a precise hand position, which can be useful in screwing motions, for example. The typical handle for water pump pliers.




**Curved handles,**
**thin plastic coatings**
support the hand at the front and rear. This is always beneficial where high forces are required, for example with diagonal cutters.




**Multi-component grips**
Compared to handles with a thin plastic coating, comfort handles offer the hand a larger contact surface, enabling better distribution of force and thus making work more comfortable.




**VDE*-insulated handles,**
**multi-component grips**
Insulated grips for working on electrical systems. Approved to DIN EN/IEC 60900, these pliers comply with significantly more stringent technical and safety standards.




**VDE*-insulated handles with dip-insulation**
The dipped VDE-handles guarantee the same electrical protection as other VDE insulated handles. In particular, energy companies use these different looking VDE-pliers to help prevent the wrong tool from being used.




**ESD**-grips,**
**multi-component grips**
Dissipative sleeves enable a gradual, controlled equalisation of any prevailing differences in electric potential between the operator and sensitive electronic components.

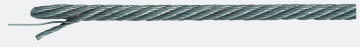
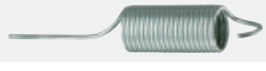
* Association for Electrical, Electronic and Information Technologies
** electrostatic discharge

## Cutting value table

| Article No. | Length | ◔ Ø mm | ◐ Ø mm | ◕ Ø mm | ● Ø mm |
|---|---|---|---|---|---|
| **02 0** | 180 | | | 2,5 | 2,0 |
| | 200 | | | 2,8 | 2,2 |
| | 225 | | | 3,0 | 2,5 |
| **03 0** | 140 | | 2,8 | 1,8 | |
| | 160 | | 3,1 | 2,0 | |
| | 180 | | 3,4 | 2,2 | |
| | 200 | | 3,8 | 2,5 | |
| | 250 | | 3,8 | 2,5 | |
| **08 0** | 110 | | 2,5 | 1,6 | |
| **08 2** | 145 | | 3,0 | 2,0 | |
| **09 01/02/11/12** | 240 | | 4,6 | 3,0 | |
| **13 0** | 160 | | 2,5 | 1,6 | |
| **13 4** | 165 | | 3,2 | 2,2 | |
| **19 0** | 130 | | 2,2 | 1,6 | |
| **23 01** | 140 | 2,5 | 1,6 | | |
| **25 01/03** | 125 | | 2,2 | 1,6 | |
| **25 0/21/25/26** | 140 | | 2,5 | 1,6 | |
| | 160 | | 2,5 | 1,6 | |
| **26 1/26 2** | 200 | | 3,2 | 2,2 | |
| **50 0** | 160 | | 1,8 | | |
| | 180 | | 2,0 | | |
| | 210 | | 2,2 | | |
| | 225 | | 2,2 | | |
| | 250 | | 2,2 | | |
| | 300 | | 2,4 | | |
| **51 01** | 210 | | 1,8 | | |
| **55 00 300** | 300 | 2,0 -3,0 | | | |
| **58 30 225** | 225 | 2,0 | | | |
| **61 0** | 200 | 1,0 - 6,0 | 4,0 | 3,5 | 3,0 |
| **62 12** | 120 | 0,3 - 1,0 | 0,7 | | |
| **64 0** | 115 | 2,0 | 1,0 | 0,6 | |
| **64 11** | 115 | 1,4 | 0,8 | | |
| **64 12** | 115 | 1,4 | 0,8 | | |
| **64 22** | 115 | 0,8 | | | |
| **64 32** | 120 | 1,5 | 1,0 | 0,5 | |
| **64 42** | 115 | 1,5 | 1,0 | 0,5 | |
| **64 52** | 115 | 1,3 | | | |
| **64 62** | 120 | 0,6 | | | |
| **64 72** | 120 | 1,5 | | | |
| **67 0** | 140 | 4,0 | 3,1 | 2,0 | 1,5 |
| | 160 | 4,5 | 3,4 | 2,5 | 2,0 |
| | 200 | 5,0 | 3,8 | 3,0 | 2,5 |
| **68 01** | 160 | 4,0 | 2,8 | 2,3 | |
| | 180 | 4,0 | 3,2 | 2,5 | |
| | 200 | 4,0 | 3,5 | 2,8 | |
| | 280 | 4,5 | 4,0 | 3,2 | |
| **69 0** | 130 | 0,4 - 2,0 | 1,3 | 1,0 | 0,8 |
| **70** | 110 | 3,0 | 2,0 | 1,2 | |
| | 125 | 3,0 | 2,3 | 1,5 | |
| | 140 | 4,0 | 2,5 | 1,8 | |
| | 160 | 4,0 | 3,0 | 2,0 | |
| | 180 | 4,0 | 3,0 | 2,5 | |
| **71** | 160 | 5,3 | 4,4 | 3,2 | 3,0 |
| | 200 | 6,0 | 5,2 | 4,0 | 3,6 |
| | 250 | | 5,6 | 4,0 | 3,8 |

| Article No. | Length | ◔ Ø mm | ◐ Ø mm | ◕ Ø mm | ● Ø mm |
|---|---|---|---|---|---|
| **73 0** | 160 | 4,8 | 3,8 | 2,7 | 2,2 |
| **73 7** | 180 | 5,5 | 4,6 | 3,2 | 3,0 |
| **74 0** | 140 | | 3,1 | 2,0 | 1,5 |
| | 160 | | 3,4 | 2,5 | 2,0 |
| | 180 | | 3,8 | 2,7 | 2,2 |
| | 200 | | 4,2 | 3,0 | 2,5 |
| | 250 | | 4,6 | 3,5 | 3,0 |
| **74 91** | 250 | 5,0 | 5,0 | 3,8 | 3,5 |
| **75 02** | 125 | 0,2 - 1,3 | 1,0 | 0,6 | 0,4 |
| **75 12** | 125 | 0,2 - 1,3 | 1,0 | 0,6 | 0,4 |
| **75 22** | 125 | 0,2 - 1,3 | 0,9 | 0,4 | 0,3 |
| **75 52** | 125 | 0,2 - 0,8 | 0,5 | 0,3 | |
| **76 01/03/05/12** | 125 | 0,4 - 3,0 | 2,3 | 1,5 | 0,6 |
| **76 22** | 125 | 0,4 - 2,5 | | | |
| **76 81** | 125 | 0,4 - 1,7 | 1,3 | 0,8 | |
| **77 01/02** | 115 | 0,3 - 1,6 | 1,2 | 0,6 | |
| | 130 | 0,3 - 2,0 | 1,5 | 0,8 | |
| **77 11/12** | 115 | 0,3 - 1,6 | 1,2 | 0,6 | |
| **77 21** | 115 N | 0,3 - 1,3 | 1,0 | | |
| | 130 | 0,3 - 1,6 | 1,3 | | |
| **77 22** | 115 | 0,3 - 1,3 | 1,0 | | |
| | 130 | 0,3 - 2,0 | 1,5 | | |
| **77 32** | 115 | 0,3 - 1,3 | 1,0 | 0,5 | |
| **77 41** | 115 | 1,3 | 0,8 | | |
| **77 42** | 115 | 0,3 - 1,3 | 0,8 | | |
| | 130 | 0,3 - 1,6 | 1,3 | | |
| **77 52** | 115 | 0,3 - 1,0 | 0,8 | 0,5 | |
| **77 72** | 115 | 0,3 - 0,8 | | | |
| **78 03/13** | 125 | 0,2 - 1,6 | 1,0 | | |
| **78 03** | 140 | 0,2 - 2,1 | 1,2 | | |
| **78 23** | 125 | 0,2 - 1,0 | 0,6 | | |
| **78 31/41** | 125 | 0,2 - 1,0 | | | |
| **78 61/71** | 125 | 0,2 - 1,6 | 1,2 | | |
| **78 61** | 140 | 0,2 - 2,1 | 1,4 | | |
| **78 81/91** | 125 | 0,2 - 1,6 | 1,2 | 0,6 | |
| **79 02** | 120 | 0,2 - 1,4 | 1,0 | 0,6 | |
| **79 02** | 125 | 0,2 - 1,7 | 1,3 | 0,7 | |
| **79 12** | 125 | 0,3 - 1,7 | 1,3 | 1,0 | 0,6 |
| **79 22** | 120 | 0,1 - 1,3 | 0,8 | | |
| **79 22** | 125 | 0,1 - 1,7 | 1,0 | | |
| **79 32** | 125 | 0,2 - 1,5 | 1,1 | 0,6 | |
| **79 42** | 125 | 0,1 - 1,5 | 0,8 | | |
| **79 52** | 125 | 0,2 - 1,3 | 0,9 | 0,5 | |
| **79 62** | 125 | 0,1 - 1,3 | 0,8 | | |
| **99 0** | 200 | | 1,8 | 1,4 | |
| | 220 | | 2,4 | 1,6 | |
| | 250 | | 2,4 | 1,6 | |
| | 280 | | 2,8 | 1,8 | |
| | 300 | | 3,1 | 1,8 | |
| **99 1** | 250 | | 3,3 | 1,8 | |
| | 300 | | 3,8 | 2,0 | |

## Wire classes

| | Material examples | Type of wire | Tensile strength N/mm² | Tensile strength kp/mm² | |
|---|---|---|---|---|---|
| ◔ | Copper, plastics | soft | 220 | 22 |  |
| ◐ | Nail, wire pin | medium-hard | 750 | 75 |  |
| ◕ | Wire rope strand, steel wire | hard | 1800 | 180 |  |
| ● | Spring steel wire | piano wire | 2300 | 230 |  |

**Note**

The maximum values always indicate the performance limit under the most favourable cutting conditions, when the wire is placed as near as possible to the joint.

## Structure of article number




Example of the item number on the pliers handle

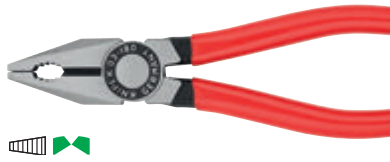
| Basic model | Style | Finish | Length | Accessory |
|---|---|---|---|---|
| e. g. KNIPEX Cobra® Hightech Water Pump Pliers | e. g. straight | e. g. head polished, handles with multicompo-nent grips | e. g. 250 mm | e. g. Tethered-Tools-Programm |
| 87 | 0 | 2 | 250 | T |



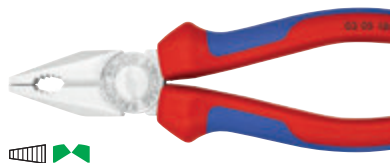
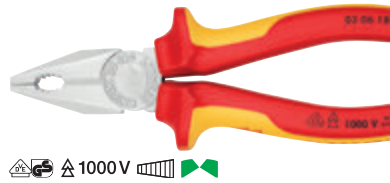

Safe working: very stable tether attachment, firmly welded to the handle grip for attaching a safety cord or adaptor sling

## Head / handles

| | |
|---|---|
| 0 | Pliers black atramentized, head polished |
| 1 | Head polished, handles plastic coated |
| 2 | Head polished, handles with multi-component grips |
| 3 | Pliers chrome plated, handles plastic coated |
| 4 | Pliers chrome plated |
| 5 | Pliers chrome plated, handles with multicomponent grips |
| 6 | Pliers chrome plated, handles insulated with multi-component grips, VDE-tested<br>DIN EN / IEC 60900 |
| 7 | Pliers chrome plated, handles with dipped insulation, VDE-tested<br>DIN EN / IEC 60900 |






KNIPEX

## Pictograms

| | |
|---|---|
| | Packing unit |
| SB | Carded pliers |
| BK | Pliers in a blister |
| ESD | Electrostatic discharging, dissipative |
| 1000 V | Insulated according to IEC 60900, usable up to 1000 V AC/1500 V DC |
| | VDE tested, also in compliance with GPSG (Equipment and Product Safety Act) |
| | Cu- + Al-multi-conductor cable, solid and multi-stranded |
| | Wire rope |
| | Ribbon cable |
| | Steel wire armoured cable (SWA) |
| | ACSR cable |
| | Soft wire |
| | Medium hard wire |
| | Hard wire |
| | Piano wire |
| | Square crimp automatic |
| | Hexagonal crimp automatic |
| | Four mandrel crimp |
| | Mandrel crimp |
| | Trapezoid crimp |
| | Oval crimp |
| | F-crimp |
| | Trapezoid indent crimp |
| | W-crimp |
| | Hexagonal crimp |
| | Square crimp |
| | Solarlok® crimp |
| | Western crimp |
| | Trapezoidal crimp front |
| | Hexagon |
| | Hexagonal screw |
| | Slotted screw |
| | Cross recessed screw |
| | PlusMinus cross recessed screw |
| | Pozidriv cross recessed screw |
| | Torx |
| 3/8" | With driving square 3/8" |
| 1/2" | With driving square 1/2" |
| 3/8" | Internal square 3/8" |
| 1/2" | Internal square 1/2" |
| | Hexagonal socket |
| | 12-point |
| | With opening spring |
| | With lead catcher |
| | Internal circlip |
| | Externel circlip |
| | Retaining ring, straight |
| | Retaining ring, diagonal |
| | Grip ring |
| | Flat jaws |
| | Flat and pointed jaws |
| | Half-round jaws |
| | Round jaws |
| | Angle |
| | Smooth gripping surfaces |
| | Smooth-serrated gripping surfaces |
| | Knurled gripping surfaces |
| | Cross-hatched, knurled gripping surfaces |
| | Centre cutter |
| | Cutting edges with bevel |
| | Cutting edges with small bevel |
| | Cutting edges with very small bevel |
| | Cutting edges without bevel |
| | For flush cut of soft materials |
| | Mechanically tested in accordance with the Equipment and Product Safety Act |
| CE | Conforms to a European directive |
| | WEEE marking (Waste Electrical and Electronic Equipment Directive) |

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