



PT. Bumi Teknik Utama
PROFESSIONAL INDUSTRIAL EQUIPMENTS



Jakarta
Semarang
Surabaya
Balikpapan

Product Catalog
2019 - 2020 Version 3



G

HAND TOOLS

Our Company

Established in 1968 as CV. Timur Raya, and later renamed to PT. Bumi Teknik Utama in 2004, with offices in Jakarta, Semarang, Surabaya, and Balikpapan. Our divisions are Welding Machines division, Welding Accessories division, Welding Consumable division, Tools & Power Tools division, Panel & Hand Tools, Retail division and Service & Support division.

In order to serve our customers better, we established Bumi Distribution Center in Cengkareng and we are planning to open more branches in different provinces and cities in the nationwide.

50 years of industrial experience and utilizing a strong backbone of the latest computerized system, such as online "SAP" ERP system, Business Intelligence and Bumi Intranet, give us the advantageous of fast working collaboration, knowledge, analyze and expertise that contributes greatly to the benefit of our customers.

As one of the fastest growing companies in the industry, we believe Human Capital is one of the company's main pillars. Which we pay lots of attention and investment in the recruitment and talent development program.

Our Customers : Metal Fabricators, Automotive Industry, Shipyard, Power Plant, Mechanical & Electrical, Oil, Gas, Mining and all related supporting Industries.

Our Products : High quality and reliable lifting, cutting, bevelling, grinding, welding, drilling, punching, bending, fastening and related products.



Our Vision : To be the leader in the professional industrial equipments by giving quality products and better after sales services.

Our Mission: To equip our Customers with reliable, durable and efficient Professional Industrial Equipments. Together with preventive and corrective services that fulfill the needs and expectations of our customers and business partners.

Our Core values :

- Treating our customers with respect and faith.
- We grow through creativity, invention and innovation.
- We integrate honesty, discipline and commitment into all business aspects.

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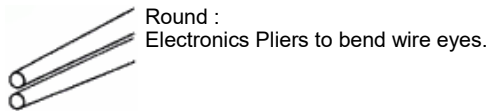
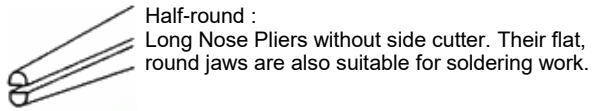
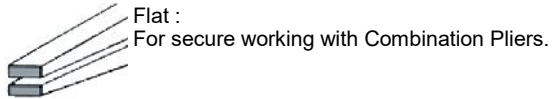
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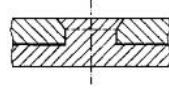
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Basic Shapes Of The Jaws



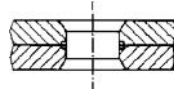
Joint Connections



Forged-in joint axle

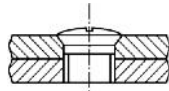
The rivet is part of one handle (forged from one piece)

- High stability for highest strain
- Long service life



Joint with inserted rivet

A proved, sturdy and precise rivet connection for all standard pliers.



Bolted Joint

For particularly demanding requirements in terms of precision and smoothing operation, e.g. in circlip pliers and cable shears (even the finest multi-stranded conductors have to be cut cleanly).



Cutting Pliers

For cutting or nipping (diagonal, centre and end cutters, carpenters' pincers etc.)



Gripping Pliers

(Flat, long-nose and water pump pliers etc.)



Combined Pliers

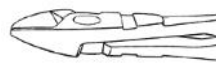
For cutting and gripping (combination, stork beak and radio pliers etc.)



Special Pliers

For special applications, e.g. notching or punching different types of materials (sheet-metal nibbler, tile nibbling pincers, etc.)

Types of Joints



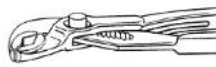
Lap joint :

The two plier halves lie on top of each other but are not milled out.



Single joint :

Half the thickness in each pliers handle is milled away in the joint area so that both handles can be laid into each other.

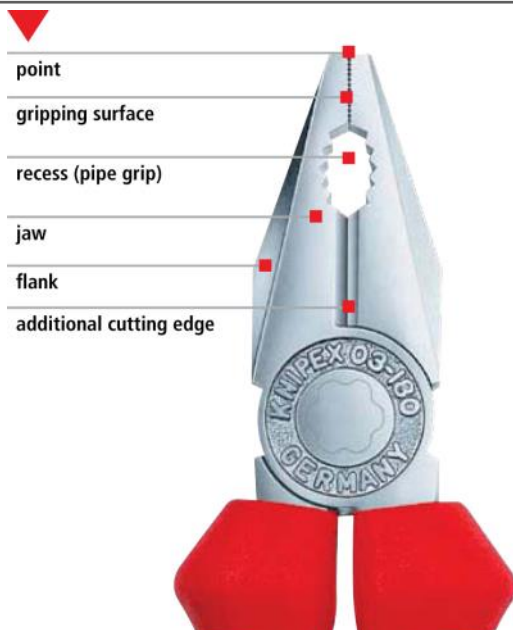


Box joint :

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 in side handle is double.

Wire Classes

| Type of Wire | | Soft | Medium-Hard | Hard | Piano wire |
|-------------------|--------------------|-----------------|----------------|-----------------------------|-------------------|
| Tensile Strength | N/mm ² | 220 | 750 | 1800 | 2300 |
| | Kp/mm ² | 22 | 75 | 180 | 230 |
| Material Examples | | Copper, plastic | Nail, Wire pin | Wire rope stand, steel wire | Spring steel wire |



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Serrated Gripping Surfaces



Cutting Edges with Bevel



Insulated According to IEC 60900, Usable up to 1000 V AC / 1500 V DC



VDE Tested, also in Conformance to GPSG (Equipment and Product Safety Act)

High Leverage Combination Pliers



Advantageous

- Easier cutting, powerful gripping, bending and pulling
- 35 % less effort required than with conventional combination pliers
- Easier work due to optimized leverage
- With cutting edges (hardness approx. 63 HRC) for soft and hard wire and piano wire
- Long cutting edges for thicker cables
- With gripping zones for flat and round material, suitable for versatile use
- High grade special tool steel, forged, oil hardened

Black - Polished - Multi Component Grips



Specifications

| Length | mm | 180 | 200 |
|-----------------------|-----------------|------|------|
| Cutting Hard Wire Ø | mm | 2.5 | 2.8 |
| Cutting Piano Wire Ø | mm | 2.0 | 2.2 |
| Cutting Cable Ø | mm | 11.5 | 13.0 |
| Cutting Cable Section | mm ² | 16.0 | 25.0 |
| Weight | gram | 240 | 342 |

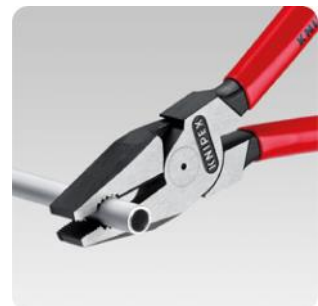
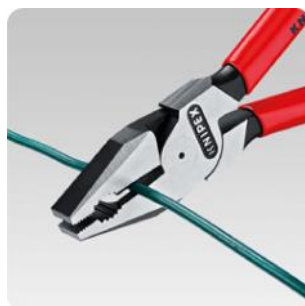
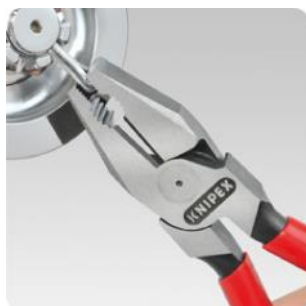
Chrome - Insulated - Multi Component Grips VDE Tested



Specifications

| Length | mm | 180 | 200 |
|-----------------------|-----------------|------|------|
| Cutting Hard Wire Ø | mm | 2.5 | 2.8 |
| Cutting Piano Wire Ø | mm | 2.0 | 2.2 |
| Cutting Cable Ø | mm | 11.5 | 13.0 |
| Cutting Cable Section | mm ² | 16.0 | 25.0 |
| Weight | gram | 247 | 343 |

| Item Code | Item Name |
|------------|---|
| 233.01.001 | High Leverage Combination Pliers - 180 mm - Black - Polished - Multi Component Grips |
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| 233.01.004 | High Leverage Combination Pliers - 200 mm - Chrome - Insulated - Multi Component Grips - VDE Tested |





Serrated Gripping Surfaces



Cutting Edges with Bevel

Combination Pliers



Advantageous

- 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 (hardness approx. 60 HRC)

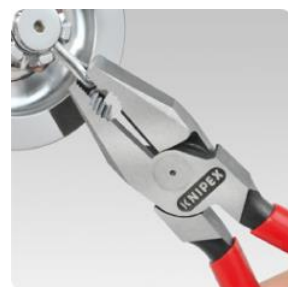
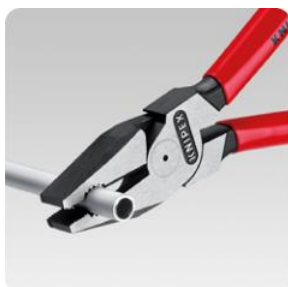
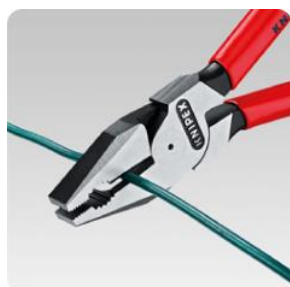
Black - Polished - Multi Component Grips



Specifications

| | mm | 160 | 180 | 200 |
|----------------------------|-----------------|------|------|------|
| Length | mm | 160 | 180 | 200 |
| Cutting Medium Hard Wire Ø | mm | 3.1 | 3.4 | 3.8 |
| Cutting Hard Wire Ø | mm | 2.0 | 2.2 | 2.5 |
| Cutting Cable Ø | mm | 10.0 | 12.0 | 13.0 |
| Cutting Cable Section | mm ² | 16.0 | 16.0 | 16.0 |
| Weight | gram | 223 | 254 | 322 |

| Item Code | Item Name |
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| 233.02.001 | Combination Pliers - 160 mm - Black - Polished - Multi Component Grips |
| 233.02.002 | Combination Pliers - 180 mm - Black - Polished - Multi Component Grips |
| 233.02.003 | Combination Pliers - 200 mm - Black - Polished - Multi Component Grips |





Serrated Gripping Surfaces



Cutting Edges with Bevel



Half - Round Jaws



Insulated According to IEC 60900, Usable up to 1000 V AC / 1500 V DC



VDE Tested, also in Conformance to GPSG (Equipment and Product Safety Act)

Snipe Nose Side Cutting Pliers Straight



Advantageous

- Elastic tips : dimensionally stable even when twisted
- Distortion tolerant, elastic precision tips
- Half round, long, pointed jaws
- With cutting edges (hardness approx. 61 HRC) for soft, medium hard and hard wire
- Vanadium electric steel; forged, oil hardened

Black - Polished - Multi Component Grips



Specifications

| | | |
|----------------------------|------|------------|
| Length | mm | 200 |
| Cutting Medium Hard Wire Ø | mm | 3.2 |
| Cutting Hard Wire Ø | mm | 2.2 |
| L3 Dimension | mm | 73.0 |
| T1 Dimension | mm | 9.5 |
| T2 Dimension | mm | 2.5 |
| W3 Dimension | mm | 17.5 |
| W4 Dimension | mm | 3.0 |
| Weight | gram | 201 |

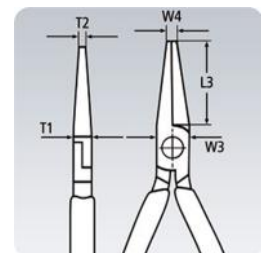
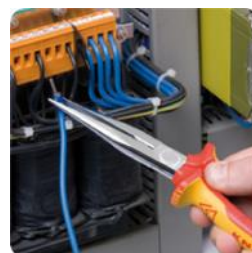
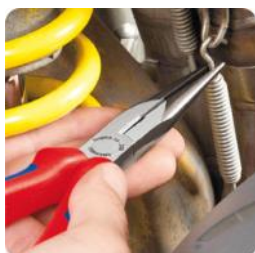
Chrome - Insulated - Multi Component Grips - VDE Tested



Specifications

| | | |
|----------------------------|------|------------|
| Length | mm | 200 |
| Cutting Medium Hard Wire Ø | mm | 3.4 |
| Cutting Hard Wire Ø | mm | 2.2 |
| L3 Dimension | mm | 73.0 |
| T1 Dimension | mm | 9.5 |
| T2 Dimension | mm | 2.5 |
| W3 Dimension | mm | 17.5 |
| W4 Dimension | mm | 3.0 |
| Weight | gram | 206 |

| Item Code | Item Name |
|-------------------|--|
| 233.03.001 | Snipe Nose Side Cutting Pliers Straight - 200 mm - Black - Polished - Multi Component Grips |
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Serrated Gripping Surfaces



Cutting Edges with Bevel



Angle



Half - Round Jaws

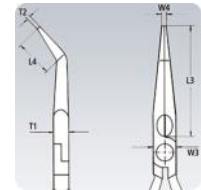


Insulated According to IEC 60900, Usable up to 1000 V AC / 1500 V DC



VDE Tested, also in Conformance to GPSG (Equipment and Product Safety Act)

Snipe Nose Side Cutting Pliers Bend



Advantageous

- Elastic tips : dimensionally stable even when twisted
- Distortion tolerant, elastic precision tips
- Half round, long, pointed jaws
- With cutting edges (hardness approx. 61 HRC) for soft, medium hard and hard wire
- Vanadium electric steel; forged, oil hardened

Black - Polished - Multi Component Grips



Specifications

| | | |
|----------------------------|------|------------|
| Length | mm | 200 |
| Cutting Medium Hard Wire Ø | mm | 3.2 |
| Cutting Hard Wire Ø | mm | 2.2 |
| L3 Dimension | mm | 73.0 |
| L4 Dimension | mm | 23.0 |
| T1 Dimension | mm | 9.5 |
| T2 Dimension | mm | 2.5 |
| W3 Dimension | mm | 17.5 |
| W4 Dimension | mm | 3.0 |
| Weight | gram | 197 |

Chrome - Insulated - Multi Component Grips - VDE Tested



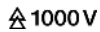
Specifications

| | | |
|----------------------------|------|------------|
| Length | mm | 200 |
| Cutting Medium Hard Wire Ø | mm | 3.2 |
| Cutting Hard Wire Ø | mm | 2.2 |
| L3 Dimension | mm | 73.0 |
| L4 Dimension | mm | 23.0 |
| T1 Dimension | mm | 9.5 |
| T2 Dimension | mm | 2.5 |
| W3 Dimension | mm | 17.5 |
| W4 Dimension | mm | 3.0 |
| Weight | gram | 204 |

| Item Code | Item Name |
|-------------------|--|
| 233.03.003 | Snipe Nose Side Cutting Pliers - Bend - 200 mm - Black - Polished - Multi Component Grips |
| 233.03.004 | Snipe Nose Side Cutting Pliers - Bend - 200 mm - Chrome - Insulated - Multi Component Grips - VDE Tested |



Cutting Edges with Bevel



Insulated According to IEC 60900, Usable up to 1000 V AC / 1500 V DC



VDE Tested, also in Conformance to GPSG (Equipment and Product Safety Act)

High Leverage Diagonal Cutters



Advantageous

- 20 % less effort required compared to conventional diagonal cutters of the same length cause of integrated forged joint axle
- High cutting performance with minimum effort due to optimum coordination of the cutting edge angle, transmission ratio and ergonomic handle shape
- Chrome vanadium heavy duty steel, forged, oil hardened
- Precision cutting edges additionally induction hardened (cutting edge hardness approx. 64 HRC) for all sorts of wire including piano wire
- With integrated forged joint axle for very tough, continuous use

Black - Polished - Multi Component Grips



Specifications

| Length | mm | 180 | 200 |
|----------------------------|------|-----|-----|
| Cutting Medium Hard Wire Ø | mm | 3.8 | 4.2 |
| Cutting Hard Wire Ø | mm | 2.7 | 3.0 |
| Cutting Piano Wire Ø | mm | 2.2 | 2.5 |
| Weight | gram | 273 | 304 |

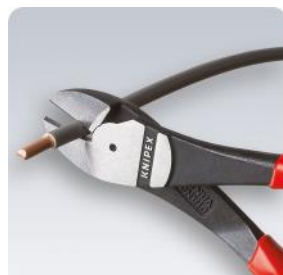
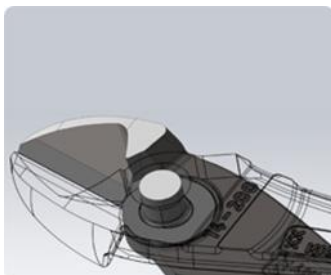
Chrome - Insulated - Multi Component Grips - VDE Tested



Specifications

| Length | mm | 160 | 200 |
|----------------------------|------|-----|-----|
| Cutting Medium Hard Wire Ø | mm | 3.4 | 4.2 |
| Cutting Hard Wire Ø | mm | 2.5 | 3.0 |
| Cutting Piano Wire Ø | mm | 2.0 | 2.5 |
| Weight | gram | 215 | 308 |

| Item Code | Item Name |
|-------------------|---|
| 233.04.002 | High Leverage Diagonal Cutters - 180 mm - Black - Polished - Multi Component Grips |
| 233.04.003 | High Leverage Diagonal Cutters - 200 mm - Black - Polished - Multi Component Grips |
| 233.04.004 | High Leverage Diagonal Cutters - 160 mm - Chrome - Insulated - Multi Component Grips - VDE Tested |
| 233.04.006 | High Leverage Diagonal Cutters - 200 mm - Chrome - Insulated - Multi Component Grips - VDE Tested |





Cutting Edges with Bevel



Insulated According to IEC 60900, Usable up to 1000 V AC / 1500 V DC



VDE Tested, also in Conformance to GPSG (Equipment and Product Safety Act)

Diagonal Cutters



Advantageous

- Cuts fine wires cleanly along the complete length of the blades
- Slim head style and precise cut at blade tips : Advantageous when working in confined areas
- Clean cutting of thin copper wires, also at the cutting-edge tips
- High quality material and precise workmanship for long service life
- Precision cutting edges additionally induction hardened (hardness approx. 62 HRC) for soft and hard wire
- Vanadium electric steel, forged, oil hardened
- Narrow head style for use in confined areas
- The essential cutting tool for versatile use

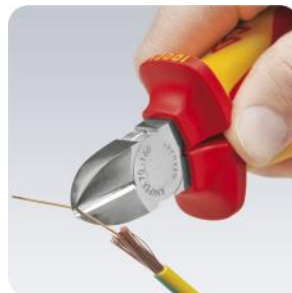
Chrome - Insulated - Multi Component Grips - VDE Tested



Specifications

| Length | mm | 125 | 140 | 160 | 180 |
|----------------------------|------|-----|-----|-----|-----|
| Cutting Soft Wire Ø | mm | 3.0 | 4.0 | 4.0 | 4.0 |
| Cutting Medium Hard Wire Ø | mm | 2.3 | 2.5 | 2.8 | 3.0 |
| Cutting Hard Wire Ø | mm | 1.5 | 1.8 | 2.0 | 2.5 |
| Weight | gram | 121 | 160 | 216 | 254 |

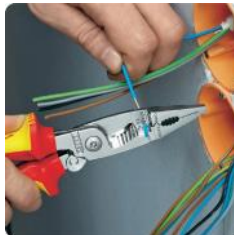
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| 233.05.005 | Diagonal Cutters - 125 mm - Chrome - Insulated - Multi Component Grips - VDE Tested |
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Pliers for Electrical Installation

Basic Description about Electrical Pliers



Smooth gripping surface

For a non-damaging gripping and flattening round-shapping (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

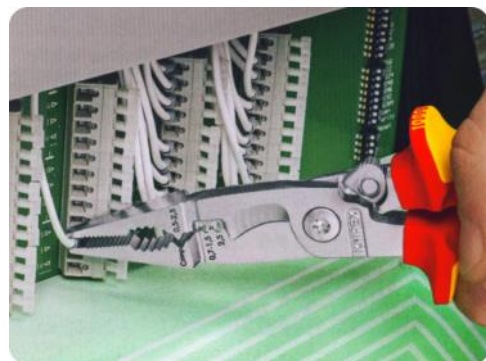
For copper conductor from 0.75 to 1.5 and 2.5 mm²

Shear blade








For cutting copper cable up to Ø 15 mm (5x 2.5 mm²)

Activated locking lever

Keep the cutting edges closed while other functions Remain in place





-  Smooth Gripping Surfaces
-  Serrated Gripping Surfaces
-  Bolted Joint
-  With Opening Spring
-  Cu + Al multi-conductor cable
Solid and multi-stranded
-  Trapezoid Crimp
-  Flat Jaws

Pliers for Electrical Installation



Advantageous

- Multifunctional pliers for the electrical installation; to grip flat and round material, for bending, deburring, cutting cable, stripping and crimping end sleeves (ferrules)
- 6 functions in one pair of pliers
- Smooth surfaces near the tips grip single cores without damaging them; serrated gripping surfaces and pipe grip for gripping flat and round material
- Clear-cut outside edge on the jaw for working on flush-mounted junction boxes and deburring feed-through holes
- Stripping holes for conductors of 0.75 - 1.5 mm² and 2.5 mm²
- Crimp die for wire-end 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
- Gripping, without opening the pliers completely (intelligent latching mechanism in the spring assisted version). The cutting edge remains closed and protected
- Slim dimensions for easy access
- Bolted joint : precise, zero backlash operation of pliers
- High-grade special tool steel, forged, oil-hardened

Black Atramentized



Specifications

| | | |
|-------------------------|-----------------|------------------|
| Length | mm | 200 |
| Cutting Cable Ø | mm | 15 |
| Cutting Cable Section Ø | mm ² | 50 |
| Stripping Capacity | mm ² | 0.75 - 1.5 / 2.5 |
| Capacity | mm ² | 0.5 - 2.5 |
| Weight | gram | 280 |

| Item Code | Item Name |
|-------------------|--|
| 233.28.001 | Pliers for Electrical Installation - 200 mm - Black Atramentized |



Smooth Gripping Surfaces



Serrated Gripping Surfaces



Bolted Joint



With Opening Spring



Cu + Al multi-conductor cable
Solid and multi-stranded



Trapezoid Crimp



Flat Jaws



Insulated According to IEC 60900, Usable up
to 1000 V AC / 1500 V DC



VDE Tested, also in Conformance to GPSG
(Equipment and Product Safety Act)

Spring Hose Clamp Pliers



Advantageous

- space-saving and wire clamps as well as spring band clamps up to 70 mm nominal size
- Slim head design; narrow head width, rotatable grip inserts : an ideal tool, especially in confined areas
- Clamps are opened easily and reliably without great effort due to the high leverage
- Rotatable, universal grip inserts for reliably gripping the clamps in all positions
- Quick-set adjustment : adjusts by shifting directly onto the work-piece
- Extremely good leverage which allows clamps to be opened easily without great effort
- Can be used for standard, space-saving, spring wire hose clamps and for spring band clamps up to 70 mm nominal size
- Maximum jaw opening 80 mm; allows more than 40 mm clamping range
- Chrome vanadium electric steel, forged, oil-hardened.
- Application Areas cars / trucks, Air suction, cooling, charge air, water return, thermostat, fuel, heating.

Cobra's Feature also include in Spring Hose Clamp Pliers

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



Grey Atramentized - Non Slip Plastic Coating



Specifications

| | | |
|----------------------|------|------------|
| Length | mm | 250 |
| Max. Capacity | mm | 70 mm |
| Adjustment Positions | | 25 |
| Weight | gram | 340 |

Item Code

Item Name

233.29.001

Spring Hose Clamp Pliers - 250 mm - Grey Atramentized with Non Slip Plastic Coating



Internal Circlips



Bolted Joint

Precision Circlip Pliers Internal Straight



Advantageous

- Slim head shape
- Easy and reliable assembly : form-fitting inserted and pressed-in tips made of high density spring steel offer a high level added resilience 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
- With inserted tips for reliable work
- The tips are 30 % more stable than conventional pliers
- Heavy duty in continuous operation : up to 10 times longer service life compared to turned tips
- Joint with screw : precise, zero backlash operation of pliers
- Non slip plastic coating on the handles
- Pliers body : chrome vanadium electric steel, forged, oil hardened
- Inserted tips : spring steel wire, drawn
- the tips' resistance capacity is up to 10 times greater !

Grey - Non Slip Plastic Coating



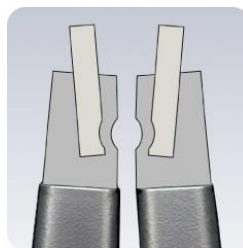
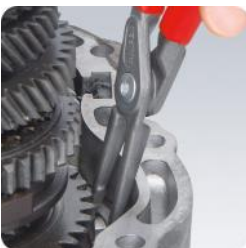
Specifications

| | | | |
|----------------|------|-----------------------|------------------------|
| Length | mm | 140 (8 - 13) | 140 (12 - 25) |
| Size Of Bore Ø | mm | 8 - 13 | 12 - 25 |
| Tips Ø | mm | 0.90 | 1.25 |
| Weight | gram | 105 | 105 |

Specifications

| | | | | |
|----------------|------|------------|------------|------------|
| Length | mm | 180 | 225 | 320 |
| Size Of Bore Ø | mm | 19 - 60 | 40 - 100 | 85 - 140 |
| Tips Ø | mm | 1.80 | 2.25 | 3.20 |
| Weight | gram | 175 | 266 | 580 |

| Item Code | Item Name |
|-------------------|--|
| 233.06.001 | Precision Circlip Pliers, Internal Straight - 140 mm - Grey - Non Slip Plastic Coating 8 - 13 |
| 233.06.002 | Precision Circlip Pliers, Internal Straight - 140 mm - Grey - Non Slip Plastic Coating 12 - 25 |
| 233.06.003 | Precision Circlip Pliers, Internal Straight - 180 mm - Grey - Non Slip Plastic Coating |
| 233.06.004 | Precision Circlip Pliers, Internal Straight - 225 mm - Grey - Non Slip Plastic Coating |
| 233.06.005 | Precision Circlip Pliers, Internal Straight - 320 mm - Grey - Non Slip Plastic Coating |



Tight fit through compression



Sturdy, inserted tips : made from high density spring steel



Bolted joint : high precision and smooth action



Internal Circlips



Bolted Joint



Angle

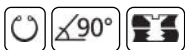
Precision Circlip Pliers Internal Bend



Advantageous

- Easy and reliable assembly : form-fitting inserted and pressed-in tips made of high density spring steel offer a high level added resilience 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
- With inserted tips for reliable work
- Heavy duty in continuous operation : up to 10 times longer service life compared to turned tips
- Joint with screw : precise, zero backlash operation of pliers
- Non slip plastic coating on the handles
- Pliers body : chrome vanadium electric steel, forged, oil hardened
- Inserted tips : spring steel wire, drawn
- The tips are 30 % more stable than conventional pliers when subjected to one off overloading while still allowing good accessibility during assembly
- the tips' resistance capacity is up to 10 times greater !

Grey - Non Slip Plastic Coating



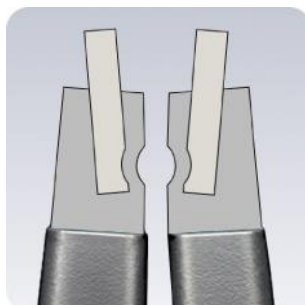
Specifications

| | | | |
|----------------|------|-----------------------|------------------------|
| Length | mm | 130 (8 - 13) | 130 (12 - 25) |
| Size Of Bore Ø | mm | 8 - 13 | 12 - 25 |
| Tips Ø | mm | 0.90 | 1.25 |
| Weight | gram | 105 | 105 |

Specifications

| | | | | |
|----------------|------|------------|------------|------------|
| Length | mm | 165 | 210 | 305 |
| Size Of Bore Ø | mm | 19 - 60 | 40 - 100 | 85 - 140 |
| Tips Ø | mm | 1.80 | 2.25 | 3.20 |
| Weight | gram | 175 | 265 | 576 |

| Item Code | Item Name |
|-------------------|--|
| 233.07.001 | Precision Circlip Pliers, Internal Bend - 130 mm - Grey - Non Slip Plastic Coating 8 - 13 |
| 233.07.002 | Precision Circlip Pliers, Internal Bend - 130 mm - Grey - Non Slip Plastic Coating 12 - 25 |
| 233.07.003 | Precision Circlip Pliers, Internal Bend - 165 mm - Grey - Non Slip Plastic Coating |
| 233.07.004 | Precision Circlip Pliers, Internal Bend - 210 mm - Grey - Non Slip Plastic Coating |
| 233.07.005 | Precision Circlip Pliers, Internal Bend - 305 mm - Grey - Non Slip Plastic Coating |



Tight fit through compression



Sturdy, inserted tips : made from high density spring steel



Bolted joint : high precision and smooth action



External Circlips



Bolted Joint



With Opening Spring

Precision Circlip Pliers External Straight



Advantageous

- KNIPEX Precision Circlip Pliers : fit circlips without distortion; easy and quick assembling
- Spring inside the joint : the spring is protected inside the precisely bolted joint. It does not hinder work and cannot get dirty or lost
- Circlips are held reliably : large contact areas and the position of the tips make it difficult for the circlip to bounce off
- form fitting inserted and pressed-in tips made of high density spring steel offer a high level added resilience against excessive stress and strain, e.g. when removing stuck rings
- The tips are 30 % more stable than conventional pliers
- Tight fit through compression
- Heavy duty in continuous operation : up to 10 times longer service life compared to turned tips
- Joint with screw : precise, zero backlash operation of pliers
- Non-slip plastic coating on the handles
- Pliers body : chrome vanadium electric steel, forged, oil hardened
- Inserted tips : spring steel wire, drawn

Grey - Non Slip Plastic Coating



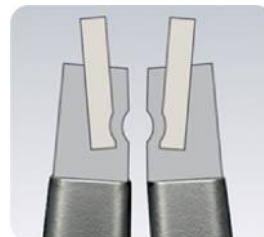
Specifications

| Length | mm | 140 (3 - 10) | 140 (10 - 25) |
|-----------------|------|----------------|-----------------|
| Size Of Shaft Ø | mm | 3 - 10 | 10 - 25 |
| Tips Ø | mm | 0.90 | 1.25 |
| Weight | gram | 101 | 100 |

Specifications

| Length | mm | 180 | 225 | 320 |
|-----------------|------|---------|----------|----------|
| Size Of Shaft Ø | mm | 19 - 60 | 40 - 100 | 85 - 140 |
| Tips Ø | mm | 1.80 | 2.25 | 3.20 |
| Weight | gram | 170 | 270 | 599 |

| Item Code | Item Name |
|------------|--|
| 233.08.001 | Precision Circlip Pliers, External Straight - 140 mm - Grey - Non Slip Plastic Coating 3 - 10 |
| 233.08.002 | Precision Circlip Pliers, External Straight - 140 mm - Grey - Non Slip Plastic Coating 10 - 25 |
| 233.08.003 | Precision Circlip Pliers, External Straight - 180 mm - Grey - Non Slip Plastic Coating |
| 233.08.004 | Precision Circlip Pliers, External Straight - 225 mm - Grey - Non Slip Plastic Coating |



Tight fit through compression



Bolted joint : high precision and smooth action



External Circlips



Bolted Joint



With Opening Spring



Angle

Precision Circlip Pliers External Bend



Advantageous

- KNIPEX Precision Circlip Pliers : fit circlips without distortion; easy and quick assembling
- Spring inside the joint : the spring is protected inside the precisely bolted joint. It does not hinder work and cannot get dirty or lost
- Circlips are held reliably : large contact areas and the position of the tips make it difficult for the circlip to bounce off
- form fitting inserted and pressed-in tips made of high density spring steel offer a high level added resilience against excessive stress and strain, e.g. when removing stuck rings
- The tips are 30 % more stable than conventional pliers
- Tight fit through compression
- Heavy duty in continuous operation : up to 10 times longer service life compared to turned tips
- Joint with screw : precise, zero backlash operation of pliers
- Non-slip plastic coating on the handles
- Pliers body : chrome vanadium electric steel, forged, oil hardened
- Inserted tips : spring steel wire, drawn

Grey - Non Slip Plastic Coating



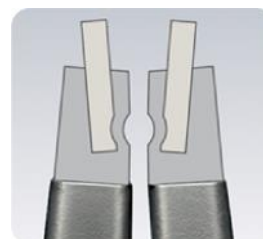
Specifications

| | | | |
|-----------------|------|-----------------------|------------------------|
| Length | mm | 130 (3 - 10) | 130 (10 - 25) |
| Size Of Shaft Ø | mm | 3 - 10 | 10 - 25 |
| Tips Ø | mm | 0.90 | 1.25 |
| Weight | gram | 100 | 102 |

Specifications

| | | | | |
|-----------------|------|------------|------------|------------|
| Length | mm | 165 | 210 | 305 |
| Size Of Shaft Ø | mm | 19 - 60 | 40 - 100 | 85 - 140 |
| Tips Ø | mm | 1.80 | 2.25 | 3.20 |
| Weight | gram | 169 | 272 | 601 |

| Item Code | Item Name |
|-------------------|--|
| 233.09.001 | Precision Circlip Pliers, External Bend - 130 mm - Grey - Non Slip Plastic Coating 3 - 10 |
| 233.09.002 | Precision Circlip Pliers, External Bend - 130 mm - Grey - Non Slip Plastic Coating 10 - 25 |
| 233.09.003 | Precision Circlip Pliers, External Bend - 165 mm - Grey - Non Slip Plastic Coating |
| 233.09.004 | Precision Circlip Pliers, External Bend - 210 mm - Grey - Non Slip Plastic Coating |
| 233.09.005 | Precision Circlip Pliers, External Bend - 305 mm - Grey - Non Slip Plastic Coating |



Tight fit through compression



Bolted joint : high precision and smooth action



Cutting Edges with Bevel

High Leverage Concretors' Nippers



Advantageous

- To lace concrete reinforcing steel with binding wire from a roll
- Wire is twisted and cut in a single pass
- High leverage joint, minimizing 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 (hardness approx. 61 HRC)
- High grade special tool steel, forged, oil hardened
- 25 % less effort required Compared to conventional concretors' nippers of the same size
- Extra slim form for tying deep mounted steel rods

Black - Polished



Specifications

| | | |
|----------------------------|------|------------|
| Length | mm | 250 |
| Cutting Medium Hard Wire Ø | mm | 3.3 |
| Cutting Hard Wire Ø | mm | 1.8 |
| Weight | gram | 350 |

Item Code

Item Name

233.10.001

High Leverage Concretors Nippers - 250 mm, Black - Polished



Quick and comfortable twisting and cutting of binding wire



Cutting Edges with Bevel

Concretors' Nippers



Advantageous

- Tower Pincers, Steel Fixers' Nippers
- To twist and cut wire in one operation : fast, reliable and economical
- High grade special tool steel, forged, oil hardened
- Un-obtained precision and long service life make these the best selling concretors' nippers in the world
- Cutting edges additionally hardened (hardness approx. 61 HRC)

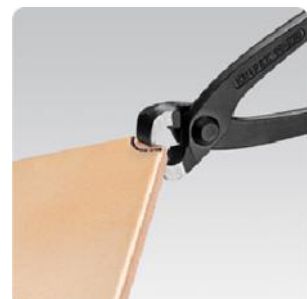
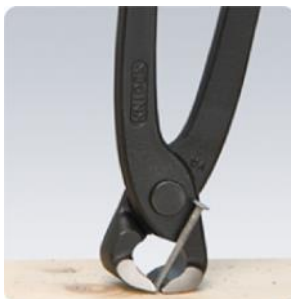
Black - Polished



Specifications

| | | |
|----------------------------|------|------------|
| Length | mm | 200 |
| Cutting Medium Hard Wire Ø | mm | 1.8 |
| Cutting Hard Wire Ø | mm | 1.4 |
| Weight | gram | 230 |

| Item Code | Item Name |
|-------------------|--|
| 233.11.001 | Concretors Nippers - 200 mm - Black - Polished |





Centre Cutter



Cobolt



Advantageous

- Precision cutting edges for soft and hard wire and piano wire
- Cuts components like bolts, nails, rivets, etc. up to 5.2 mm diameter
- Exceptional cutting performance with minimum effort because of unsurpassed effective lever action design
- Cutting edges additionally induction hardened (hardness approx. 64 HRC)
- Chrome vanadium heavy duty steel, forged, oil hardened
- The cutting edge recess near the joint holds thicker wires in a favorable position that is usual with bolt cutters is not needed here
- The cutting force is about 20 times higher than the hand force applied

Conventional toggle lever assisted side cutter

Max. opening approx 3.5 mm

Great weight = 600 g

Double toggle lever joint cumbersome

233.13.001

With slim two-color multi component sleeves 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

Black - Slim Multi Component Grips



Specifications

| | | |
|----------------------------|------|------------|
| Length | mm | 200 |
| Cutting Soft Wire Ø | mm | 6.0 |
| Cutting Medium Hard Wire Ø | mm | 5.2 |
| Cutting Hard Wire Ø | mm | 4.0 |
| Cutting Piano Wire Ø | mm | 3.6 |
| Weight | gram | 365 |

| Item Code | Item Name |
|------------|--|
| 233.13.001 | Cobolt - 200 mm - Black - Slim Multi Component Grips |



Centre Cutter



Bolted Joint

Bolt Cutters



Advantageous

- Cutting capacity up to 48 HRC hardness
- Robust cutting edges are additionally induction hardened (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 minimize effort
- Sturdy non slip two color dual component handle sleeves
- Precise adjustment (12 positions) by eccentric bolt
- High cutting performance with minimum effort due to optimum coordination of the cutting edge angle, transmission ratio and ergonomic handle shape
- Blade : chrome vanadium heavy duty steel, forged, oil hardened
- Joint : special tool steel, forged
- Handle : steel tube, powder coated



Specifications

| | | |
|------------------|------|------------|
| Length | mm | 910 |
| Cutting HRC 19 Ø | mm | 13 |
| Cutting HRC 40 Ø | mm | 10 |
| Cutting HRC 48 Ø | mm | 9 |
| Weight | gram | 4950 |

| Item Code | Item Name |
|-------------------|---|
| 233.14.004 | Bolt Cutters - 910 mm - Black - Multi Component Grips |



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



Smooth Gripping Surfaces



Box Joint

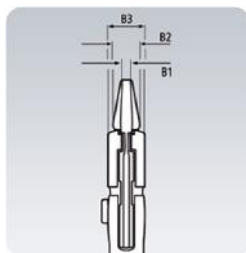
Pliers Wrenches



Advantageous

- Adjustable tool for tightening screws
- Also excellent for gripping, holding, pressing and bending work pieces
- Replaces a set of spanners, metric and imperial
- Smooth jaws for cautious installation of plated fittings
- Zero backlash jaw pressure prevents damage to edges of sensitive components
- Parallel jaws allow infinitely variable gripping of all widths to the specified maximum size
- Reliable catching of the hinge bolt : no unintentional shifting
- The smooth jaws 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
- Conventional open end wrench : edge pressure causes surface damage
- Pliers wrench : zero backlash contact pressure, no damage to edges
- Working using the ratchet principle
- Fast adjustment by pushing a button
- Lever transmission greater than 10 to 1 for strong gripping power
- Chrome vanadium electric steel, forged, oil hardened
- Adjustment at the touch of a button directly on the work piece
- The action of the jaws allows quick tightening and release of bolted connections using the ratchet principle

Nickel - Plastic Coated



Specifications

| Length | mm | 150 | 180 | 250 | 300 |
|----------------------|------|------|-------|-------|-------|
| Hexagonal Head Ø | inch | 1 | 1 3/8 | 1 3/4 | 2 3/8 |
| Hexagonal Head Ø | mm | 27 | 35 | 46 | 50 |
| Adjustment Positions | mm | 14 | 13 | 17 | 22 |
| Dimension B1 | mm | 4.7 | 5.0 | 8.0 | 9.5 |
| Dimension B2 | mm | 7.0 | 8.0 | 8.0 | 9.5 |
| Dimension B3 | mm | 10.5 | 12.0 | 14.0 | 15.0 |
| Weight | gram | 175 | 254 | 536 | 726 |

| Item Code | Item Name |
|------------|--|
| 233.15.001 | Pliers Wrenches - 150 mm - Nickel - Plastic Coated |
| 233.15.002 | Pliers Wrenches - 180 mm - Nickel - Plastic Coated |
| 233.15.003 | Pliers Wrenches - 250 mm - Nickel - Plastic Coated |
| 233.15.004 | Pliers Wrenches - 300 mm - Nickel - Plastic Coated |



Working on plated fittings without damage of the surface



Smooth Gripping Surfaces



Box Joint

Cobra Hightech Water Pump Pliers



Advantageous

- Adjustment at the touch of a button directly on the work piece
- 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 work piece and low hand force required
- Smooth jaws for cautious installation of plated fittings
- Gripping surfaces with special hardened teeth (hardness approx. 61 HRC) : low wear and stable gripping
- No more time-consuming presetting of the required opening size. Just position the upper jaw to the work piece, push button and move close the lower jaw, ingeniously simple
- Fast and firm adjustment directly on the work piece
- Fine adjustment by pushing a button : fast and comfortable
- Teeth set against the direction of rotation have a self locking effect and prevent slipping on the work piece
- Reliable catching of the hinge bolt : no unintentional shifting
- Guard prevents operators' fingers being pinched
- Chrome vanadium electric steel, forged, oil hardened
- Reliable catching of the hinge bolt : no unintentional shifting
- Box joint design : high stability because of double guide

Grey Atramentized - Polished - Non Slip Plastic Coating



PATENTED



Specification

| | | |
|----------------------|------|------------|
| Length | mm | 150 |
| Round Head Ø | inch | 1 1/4 |
| Round Head Ø | mm | 32 |
| Hexagonal Head Ø | mm | 30 |
| Adjustment Positions | mm | 11 |
| Weight | gram | 145 |



Enormous gripping capacity : 30 % more than conventional pipe wrenches

Grey Atramentized - Polished Multi Component Grips



PATENTED



Specification

| | | | |
|----------------------|------|------------|------------|
| Length | mm | 180 | 250 |
| Round Head Ø | inch | 1 1/2 | 2 |
| Round Head Ø | mm | 42 | 50 |
| Hexagonal Head Ø | mm | 36 | 46 |
| Adjustment Positions | mm | 18 | 25 |
| Weight | gram | 196 | 376 |

| Item Code | Item Name |
|-------------------|---|
| 233.16.001 | Cobra - 150 mm - Grey - polished - Non Slip - Plastic Coating |
| 233.16.002 | Cobra - 180 mm - Grey - Polished - Multi Component Grips |
| 233.16.003 | Cobra - 250 mm - Grey - Polished - Multi Component Grips |





Smooth Gripping Surfaces



Box Joint

Cobra XL / XXL



Advantageous

- Greater gripping capacity but much lower weight than comparable pipe wrenches
- Fast push-button adjustment directly on the work piece, 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 work piece and low hand force required
- Box-joint design : high stability because of double guide
- Gripping surfaces with special hardened teeth (hardness approx. 61 HRC) : low wear and stable gripping
- Guard prevents operators' fingers being pinched
- Chrome vanadium electric steel, forged, oil hardened
- Fine adjustment by pushing a button : fast and comfortable
- Self-locking on pipes and nuts. No slipping on the work piece and less hand force required

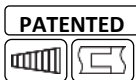
Both the KNIPEX Cobra® XL and XXL offer the performance and comfort of water pump pliers while being lighter in weight and having a greater gripping capacity than comparable pipe wrenches. The **Cobra® XL** can e.g. grip a 2" pipe fitting and weighs 50 % less than a 2" pipe wrench, which has a much lower gripping capacity. With its handy length of 400 mm, the Cobra® XL also fits into a plumber's tool kit

The **Cobra® XXL** comes along with the weight of a 2" pipe wrench but offers a back-up gripping capacity up to 4 1/2"



Fast and firm adjustment directly on the work piece

Grey - Polished - Plastic Coated



Specifications

| | | |
|----------------------|------|------------|
| Length | mm | 560 |
| Round Head Ø | inch | 4 1/2 |
| Round Head Ø | mm | 115 |
| Hexagonal Head Ø | mm | 120 |
| Adjustment Positions | mm | 20 |
| Weight | gram | 2750 |

| Item Code | Item Name |
|------------|--|
| 233.17.002 | Cobra XL XXL - 560 mm - Grey - Polished - Plastic Coated |





With Opening Spring

Multi Strip 10



Advantageous

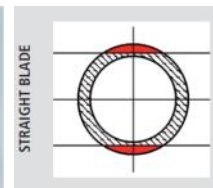
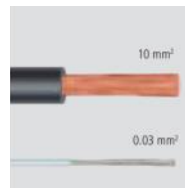
- Fully automatic adjustment to commercially used single, multi and fine stranded conductors with standard insulation throughout the entire capacity range from 0.03 to 10.0 mm²
- No manual fine adjustment required, no damage to the conductors
- The clamping jaws made of steel with integrated cutting edge hold the cable in a way that prevents slipping without damaging the remaining insulation
- Particularly smooth running mechanics and very low weight
- 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
- Replaceable blades block and length stop
- Body : plastic, fiberglass reinforced
- Blade : special tool steel, oil hardened
- Precise stripping from 0.03 to 10.0 mm² without readjustment
- Wire cutter for multiple stranded wire cables up to 10.0 mm²
- Steel restrain jaws with cutting edges avoid skidding of the cable
- Handle with soft-plastic zone for a steady grip
- With wire cutter for copper and aluminum conductors, multi stranded up to 10.0 mm² and single-stranded up to 6.0 mm²

Mode of operation of straight cutters

Models 233.18.001

An incision is made in the red area only

Not suitable for highly flexible or armored insulation materials or for multi layered insulation



195 mm - Multi Strip 10



PATENTED



Specifications

| | | |
|----------------------|-----------------|-------------|
| Length | mm | 195 |
| Stripping Capacities | mm ² | 0.03 - 10.0 |
| Weight | gram | 136 |

| Item Code | Item Name |
|------------|---|
| 233.18.001 | MultiStrip 10 - 195 mm - Multi Strip 10 |



Metal jaws



Integral Wire cutter, max. 10 mm²





With Opening Spring

Dismantling Tools



Advantageous

- For dismantling round cables exceeding 25.0 mm diameter
- Removes all kinds of insulation layers
- 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, fiberglass reinforced

150 mm - Dismantling Tool



Setting the tool for longitudinal cut



Turning the tool for circumferential cut

Specifications

| | | |
|----------------------|------|------------|
| Length | mm | 150 |
| Stripping Capacities | mm | > 25 |
| Weight | gram | 210 |

| Item Code | Item Name |
|-------------------|--|
| 233.19.002 | Dismantling Tools - 150 mm - Dismantling Tools |

Optional Accessories

| | |
|------------|----------------------------|
| 233.19.004 | Spare Blade for 233.19.002 |
|------------|----------------------------|



Longitudinal Cut



Adjustable Cutting Depth



Circular Cut



Bolted Joint



**Cu + Al Multi – Conductor Cable,
Solid and Multi - Stranded**

Cable Shears



Advantageous

- For cutting copper and aluminum single conductors as well as multiple stranded cables
- Not suitable for steel wire and hard drawn copper conductors
- Precision ground, hardened blades
- Clean and smooth cut without crushing and deformation
- Cut performed with a Diagonal Cutter : high effort required, inaccurate cut, considerable deforming and crushing of the cable
- Easy cutting with one-hand operation
- Guard prevents operators' fingers being pinched
- Adjustable bolted joint, self retaining screw
- High grade special tool steel, forged, oil hardened
- Cut performed with a Cable Shears : easy, clean cut without any deformation of the cable

Burnished - Multi Component Grips



Specifications

| | | |
|-------------------------|-----------------|------------|
| Length | mm | 165 |
| Cutting Cable Ø | mm | 15 |
| Cutting Cable Section Ø | mm ² | 50 |
| AWG | | 1/0 |
| Weight | gram | 250 |

| Item Code | Item Name |
|-------------------|---|
| 233.20.001 | Cable Shears - 165 mm - Burnished - Multi Component Grips |





Bolted Joint



**Cu + Al Multi – Conductor Cable,
Solid and Multi - Stranded**

Cable Shears with Twin Cutting Edge



Advantageous

- For cutting copper and aluminum cables
- Not suitable for steel wire and hard drawn copper conductors
- Precision ground, hardened blades
- 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
- Less effort required due to favorable lever ratio and optimized cutting edge geometry
- Guard prevents operators' fingers being pinched
- Adjustable bolted joint, self retaining screw
- High grade special tool steel, forged, oil hardened
- Clean and smooth cut without crushing and deformation

Burnished - Multi Component Grips



PATENTED



Specifications

| | | |
|-------------------------|-----------------|------------|
| Length | mm | 200 |
| Cutting Cable Ø | mm | 20 |
| Cutting Cable Section Ø | mm ² | 70 |
| AWG | | 2/0 |
| Weight | gram | 324 |

| Item Code | Item Name |
|-------------------|--|
| 233.21.001 | Cable Shears with Twin Cutting Edge - 200 mm - Burnished - Multi Component Grips |



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 cut is finished through the metal part of the cable in the rear profile. Initial cut in the front profile, final cut in the rear profile - to keep it as easy as possible



Bolted Joint



**Cu + Al Multi – Conductor Cable,
Solid and Multi - Stranded**



**Insulated According to IEC 60900, Usable
up to 1000 V AC / 1500 V DC**



**VDE Tested, also in Conformance to GPSG
(Equipment and Product Safety Act)**



With Opening Spring

Cable Cutter Ratchet Action



Advantageous

- For cutting copper and aluminum single conductors as well as multi-
ple 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
- Two-stage ratchet drive for easy cutting
- Simple handling as a result of low weight and compact design can be used even in confined areas
- Guard prevents operators' fingers being pinched
- High-grade special tool steel, forged, oil hardened
- Little hand force required due to very high transmission ratio

Black Lacquered - Multi Component Grips



PATENTED



Black Lacquered - Insulated - Multi Component Grips VDE Tested



PATENTED



Specifications

| | | | |
|-------------------------|-----------------|------------|------------|
| Length | mm | 250 | 280 |
| Cutting Cable Ø | mm | 32 | 52 |
| Cutting Cable Section Ø | mm ² | 240 | 380 |
| MCM | | 500 | 750 |
| Weight | gram | 676 | 860 |

Specifications

| | | |
|-------------------------|-----------------|------------|
| Length | mm | 250 |
| Cutting Cable Ø | mm | 32 |
| Cutting Cable Section Ø | mm ² | 240 |
| MCM | | 500 |
| Weight | gram | 652 |

| Item Code | Item Name |
|-------------------|---|
| 233.22.001 | Cable Cutter Ratchet Action - 250 mm - Black Lacquered - Multi Component Grips |
| 233.22.002 | Cable Cutter Ratchet Action - 280 mm - Black Lacquered - Multi Component Grips |
| 233.22.003 | Cable Cutter Ratchet Action - 250 mm - Black Lacquered Insulated - Multi Comp. Grips - VDE Tested |



233.22.002 : Large cutting capacity :
maximum 52 mm dia. / 380 mm²









Ratchet principle and two stage
ratchet drive for easier cutting



233.22.001 & 233.22.002 : Fixed handle with support
area as an aid to position the cutters on a flat surface



-  **Cu + Al Multi - Conductor Cable, Solid and Multi - Stranded**
-  **Wire Rope**
-  **Medium Hard Wire**
-  **Piano Wire**
-  **Bolted Joint**
-  **With Opening Spring**

Wire Rope Shears



Advantageous

- 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
- Cuts all wire ropes without splaying, including those that are extremely strong, such as for example tire cord
- Crimping of the end ferrule onto the traction cable
- High leverage for reduced effort
- Cutting edge (hardness approx. 64 HRC)
- Chrome vanadium heavy duty steel, forged, oil hardened
- Internal opening spring
- Bolted joint for precise blade guidance, re-adjustable
- Crimping of the end caps on the Bowden cable sheath

Polished - Multi Component Grips



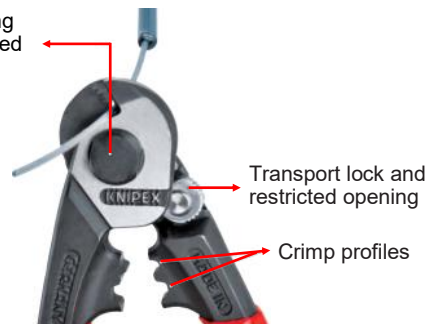
Specifications

| | | |
|----------------------|------|------------|
| Length | mm | 190 |
| Cutting Cable Ø | mm | 7 |
| Cutting Wire Rope Ø | mm | 6 |
| Cutting Hard Wire Ø | mm | 4 |
| Cutting Piano Wire Ø | mm | 2.5 |
| Weight | gram | 314 |

| Item Code | Item Name |
|-------------------|---|
| 233.25.001 | Wire Rope Shears - 190 mm - Polished - Multi Component Grips |



Precise guiding through a bolted joint





External circlips



Internal circlips

Tool Case



Advantageous

- Tool roll made of hard-wearing polyester fabric
- With practical, adjustable quick release fastener

| Item Code | Product Name | Weight (gr) |
|------------|---|---------------|
| 233.26.001 | Tool Case - Circlip Pliers Sets 4 Parts | 665 |
| | Internal Straight - 140 mm - Grey Atramentized - Non Slip Plastic Coating | |
| | Internal Straight - 180 mm - Grey Atramentized - Non Slip Plastic Coating | |
| | External Straight - 140 mm - Grey Atramentized - Non Slip Plastic Coating | |
| | External Straight - 180 mm - Grey Atramentized - Non Slip Plastic Coating | |

NOTES

NOTES

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