

Wiha Inomic® VDE.

Completely relaxed.



product design award

2013



reddot design award winner 2013



Locking mechanism: Pliers should be transported and stored in closed position

Head of pliers made of high quality tool steel, cutting edges additionally induction hardened

Metal parts with all-round, corrosion resistant surface

Handle with ergonomic soft-grip zone made of thermoplastic elastomer (TPE) in the pressure area around the ball of the thumb

Impact-resistant tool body made of fibre-glass reinforced plastic: Low weight

The areas in the arm of the pliers that move and press against each other feature hard plastic: low abrasion

How can maximum safety and effective working be combined with live parts? It's possible, with the Wiha Inomic® VDE.

A principle of nature has inspired Wiha for the design of this pliers range: the angled form of the pliers means the user can work without tiring limbs, sinews and muscles, and he can apply a powerful grip when cutting. That means: tiredness and aching limbs are not an issue even after hours of work.



And just to be on the safe side: Wiha Inomic® VDE pliers are regularly subjected to a wide range of stringent quality inspections, thus repeatedly confirming their high normative quality.

Safety and functionality at the highest level - and with unashamedly good looks!

The relaxed position of the hand when using Inomic® VDE ensures fatigue-free work. Guaranteed with highest electrical safety level.



Approved for work in the area of live parts up to 1,000 V AC or 1,500 V DC. When working with VDE tools, observe the national safety and accident prevention regulations.



Wiha Inomic® VDE.

- **Uncompromisingly safe**
Manufactured and inspected according to IEC 60900:2012, one-off testing at 10,000 V, GS mark for inspected safety, VDE tested
- **Gentle**
The angled form is easy on muscles, tendons and joints
- **Powerful**
All fingers grip at the same time.
- **Robust and durable**
Strong pliers jaws, complete zinc-nickel coating, impact resistant construction
- **Sensitive**
Greater control with grasping via opening spring with fine resistance
- **Ergonomic**
Like the extension of a hand: grasping is simple, firm and safe
- **Attractive**
An appealing design



Safety note:
When working with cutting pliers – beware of wire ends flying away. Please wear safety glasses.

Combination pliers.



1000 V IEC 60900:2012

Z 01 9 16

Combination pliers Inomic® VDE. Insulation up to 1,000 V AC, GS-mark.

- Standards: Manufactured acc. to IEC 60900:2012.
- Head shape: With cutting edge for flat and round cable.
- Design: Serrated gripping jaws. Cutting edges additionally induction hardened to approx. 62 HRC. Arms of the pliers move in parallel: +25% force transfer. Angled shape (23°) for fatigue-free work. With opening spring and locking mechanism.
- Material: Pliers head of high-quality tool steel. Handles made of tough fibre-glass reinforced plastic, ergonomic soft grip zone in the handle.
- Application: For gripping, holding and cutting. With improved access to the objects to be processed.

Order-No.	Typ	○	◐	◑	↵	⏏
30658	180	3.5	2.5	1.6	160	5

Needle nose pliers and diagonal cutters.



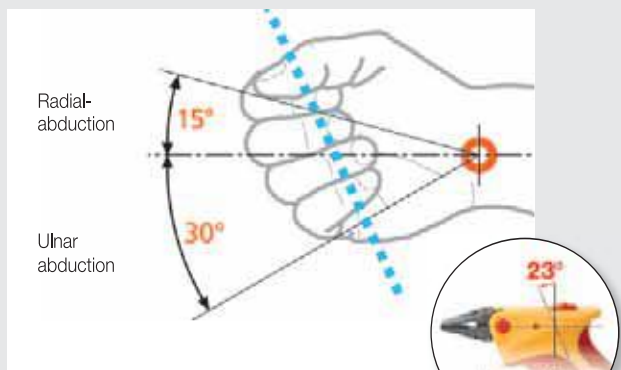
1000 V IEC 60900:2012

Z 06 0 16

Needle nose pliers Inomic® VDE. Insulation up to 1,000 V AC, GS-mark.

- Standards: Manufactured acc. to IEC 60900:2012.
- Head shape: Straight shape with blade and three stripping points 2.5 mm², 1.5 mm², 0.75 mm².
- Design: Ridged gripping surfaces. Cutting edges additionally induction hardened to approx. 62 HRC. Arms of the pliers move in parallel: +25% force transfer. Angled shape (23°) for fatigue-free work. With opening spring and locking mechanism.
- Material: Pliers head of high quality C 70 tool steel. Handles made of tough fibre-glass reinforced plastic, ergonomic soft grip zone in the handle.
- Application: For gripping, holding, cutting and stripping. With improved access to the objects to be processed.

Order-No.	Typ	○	◐	↵	⏏
33259	160	2.5	1.6	155	5



The Inomic® pliers are angled at 23° to support the physiological movement of the wrist when working and thus prevent an unhealthy wrist position, which often leads to problems such as carpal tunnel syndrome.

Details of cutting results of cutting pliers.

Symbol/Types of wire	Example	Tensile strength ca. N/mm ²
○ Soft wire	Copper, aluminium	220 - 250
◐ Medium hard wire	Iron nail	750 - 800
◑ Hard wire	Spring wire, steel nails	1.600 - 1.800
● Piano wire	Hardened spring steel	2.200 - 2.300

Test wires standardised in DIN ISO 5744



1000 V IEC 60900:2012

Z 12 9 16

Diagonal cutters Inomic® VDE. Insulation up to 1,000 V AC, GS-mark.

- Standards: Manufactured acc. to IEC 60900:2012.
- Head shape: Innovative head with dual cutting function. Cutting edge with bevel near the joint, cutting edge without bevel in the front cutting area.
- Design: Cutting edges additionally induction hardened to approx. 62 HRC. Arms of the pliers move in parallel: +25% force transfer. Angled shape (23°) for fatigue-free work. With opening spring and locking mechanism.
- Material: Pliers head of high-quality tool steel. Handles made of tough fibre-glass reinforced plastic, ergonomic soft grip zone in the handle.
- Application: For cutting hard wires in the joint area. Flush, burr-free cutting of soft wires, cables and plastics in the front cutting area. With improved access to the objects to be processed.

Order-No.	Typ	○	◐	◑	↵	⏏
30666	160	3.5	2.5	1.6	145	5