

Wiha Inomic VDE.

A Good Grip on Everything – Even When Working with Live Components.



product design award

2007



Absolutely burr-free metal parts

Head of pliers made of high-quality ball-bearing steel: Hardness up to 60 HRC

All surfaces of the metal parts are protected against corrosion, also in the joint: optimum protection

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

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

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

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



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

With the innovative generation of Inomic pliers, Wiha is heralding a new age in ergonomic pliers. Wiha has developed this revolutionary new product in collaboration with the IAO Stuttgart (Institute for Industrial Engineering).

Compared with conventional pliers, a 25 % increase in the force transfer across the entire field of movement makes working with the Inomic combination pliers much more comfortable. The optimum extension of the hand and arm via the angled (23°) shape of the head of the pliers ensures fatigue-free work. This improves access to the workpiece.

Wiha is using new technologies in the manufacture of these pliers. MIM – metal injection moulding – the heads of the pliers offer innovative functions.

When working with live components, the safety of the user is paramount. Inomic VDE pliers fulfil unconditionally all requirements for working with up to 1000V alternating current (AC) or 1500 direct current (DC). The Inomic VDE pliers prove their outstanding properties in ten different and very strict quality tests for insulation and thus user protection.



Wiha Inomic VDE:

- Manufactured as Wiha Inomic pliers
- Manufactured and tested in accordance with EN/IEC 60900:2004
- Approved for work with live components up to 1,000 V AC and 1,500 V DC, taking account of other safety provisions
- Extensive mechanical and electrical testing for maximum user safety
- Individually tested in water bath at 10,000 volts
- Awarded the GS symbol for tested safety



AC 1000V
IEC 60900:2004



Outstanding cutting properties thanks to force transfer that has been improved by 25%.

Combination Pliers.



NEW
Z 01 9 16

Combination Pliers Inomic VDE.

Insulation up to 1,000 V AC, GS-Mark.

Standards: Manufactured acc. to EN/IEC 60900:2004.

Head shape: Innovative head with three parallel gripping surfaces at opening angles of 2°, 10° and 20° offers an improved and secure hold of the workpiece. Crosswise-profiled gripping surfaces with specially shaped teeth for gripping in all directions.

Design: Head of pliers manufactured in MIM technology. Arms of the pliers move in parallel: +25% force transfer. Angled shape (23°) for fatigue-free work. With opening spring and locking mechanism.

Material: Head of pliers made of ball-bearing steel, hardened to approx. 60 HRC. 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 8	180	3.3	2.2	155	5	24.06

Needle Nose Pliers and Diagonal Cutters.



NEW
Z 06 9 16

Needle Nose Pliers Inomic VDE.

Insulation up to 1,000 V AC, GS-Mark.

Standards: Manufactured acc. to EN/IEC 60900:2004.

Head shape: Straight shape with blade and three stripping points 2.5 mm², 1.5 mm², 0.75 mm².

Design: Parallel and crosswise profiling for gripping in all directions. Head of pliers manufactured in MIM technology. Arms of the pliers move in parallel: +25% force transfer. Angled shape (23°) for fatigue-free work. With opening spring and locking mechanism.

Material: Head of pliers made of ball-bearing steel, hardened to approx. 60 HRC. 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	○	●	↔	↔	£
30661 8	160	2.5	1.6	150	5	22.75



Fraunhofer Institut
Arbeitswirtschaft und
Organisation

In collaboration with the IAO Stuttgart (Institute for Industrial Engineering), a wide variety of shapes and variants for this new generation of pliers was investigated during the course of extensive studies and user tests. Gripping system, hand closure forces, jaw shapes and geometries are just a few of the points examined.

Delivery range and dates available on request.



NEW
Z 12 9 16

Diagonal Cutters Inomic VDE.

Insulation up to 1,000 V AC, GS-Mark.

Standards: Manufactured acc. to EN/IEC 60900:2004.

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: Head of pliers manufactured in MIM technology. Arms of the pliers move in parallel: +25% force transfer. Angled shape (23°) for fatigue-free work. With opening spring and locking mechanism.

Material: Head of pliers made of ball-bearing steel, hardened to approx. 60 HRC. 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 3	160	4.0	2.8	2.0	140	24.06