

# Wiha Inomic®.

Pliers – reinvented.



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

Innovative technology and as ergonomic as nature: descriptions that fit Wiha Inomic® pliers perfectly.

Firstly as an extension of the hand: firm and secure when gripping, and with a natural movement that is easy on the joints. And then progressive know-how: with high quality materials that feel soft but are relentless with components being worked upon.

Pliers have been around for ages. But never with so many ideas and intelligent details as the Wiha Inomic® pliers.



The relaxed hold when using Inomic® ensures fatigue-free work.



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.



Wiha Inomic®.

- **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.****Z 01 0 15** Combination pliers Inomic®.

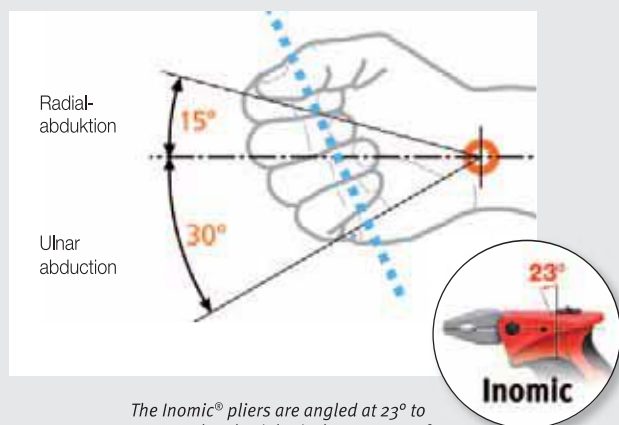
**Head shape:** Extra long cutting edge for flat and round cables.  
**Design:** Serrated gripping jaws.  
 Cutting edges additionally induction hardened to approx. 64 HRC.  
 Arms of the pliers move in parallel: +25% force transfer.  
 Angled shape (23°) for fatigue-free work.  
 With opening spring 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 and cutting.  
 With improved access to the objects to be processed.

Order-No.	Typ	⊙	●	g	g
33260	180	3.3	2.2	155	5

**Needle nose pliers and diagonal cutters.****Z 05 0 15** Needle nose pliers Inomic®.

**Head shape:** Straight form with extra-long cutting edge.  
**Design:** Ridged gripping surfaces.  
 Cutting edges additionally induction hardened to approx. 64 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 and cutting.  
 With improved access to the objects to be processed.

Order-No.	Typ	⊙	●	g	g
33256	160	2.5	1.6	150	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 <sup>2</sup>
○ 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

**Z 12 0 15** Diagonal cutters Inomic®.

**Head shape:** Semi-circular, swedish style.  
**Design:** 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 soft and hard wires.  
 With improved access to the objects to be processed.

Order-No.	Typ	⊙	●	g	g
33254	160	2.8	2.0	140	5