

Focus on ergonomic design

wiha Sools FOR YOUR



Wiha Werkzeuge <mark>GmbH</mark>

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Wiha – visions and values: With responsibility and innovation, Wiha is set for a successful future.

What makes a company successful? Providing excellent products and having a good company culture are key. The high quality of Wiha tools in their form and functionality is confirmed by the many international awards they have received.

In 2016, Wiha was crowned one of the TOP 100 most innovative mid-sized companies in Germany. For us, this is a pleasing confirmation of our corporate philosophy, which is defined by progress and visions.

Today Wiha is a dependable partner for users of precision tools worldwide and has been able to position itself in the market as a driving force for innovation. In this respect Wiha takes advantage of close cooperation with its own manufacturing and sales dependencies and partners within the important economic zones of Europe, the United States and Asia.

The concentration of resources upon those product- and market segments that afford sufficient potential for continual growth make Wiha lastingly flexible with a high level of performance capacity.



Wiha – our visions

- A financially successful family-owned company For more than 75 years, Wiha have been a successful owner-operated company in the market.
- **Premium international brand** Wiha supply an international market from factories in Europe, Asia and the USA.
- Highly motivated first-class team: Wiha employees are competent, committed and motivated thanks to their optimum working conditions.
- User- and application-focused Wiha products enable the user to work in an efficient and health-friendly way.

Excellently ergonomic: Wiha tools recommended by doctors and therapists.

The right hand tool for a healthy back

Can the right hand tool help promote health? What initially sounds unusual, has now been confirmed once and for all in independent investigations and tests by doctors and therapists.

For health experts, it is an undisputed fact that when it comes to the subject of "back health", the **whole musculoskeletal** system has to be taken into account. Each muscle, each bone and each joint always affects the system as a whole.



AGR – German Campaign for Healthier Backs

For many years, the AGR (Aktion Gesunder Rücken e.V.) has been dedicated to promoting and researching the prevention of back pain. It also offers recommendations on products that help to prevent musculoskeletal disorders and back pain. In light of its strict test criteria and the team of renowned medical experts who form the independent committee, the AGR quality seal also enjoys a high level of approval within the medical community. Distinguished products therefore carry the recommendation of doctors and therapists.





We are health pioneers!

Wiha is the world's **first and only** hand tool manufacturer to have its products awarded with the renowned AGR seal of quality.

The **health-preserving effect** of the Inomic pliers and SoftFinish screwdriver handle concepts have been verified by a series of comprehensive tests and studies by independent doctors and specialised therapists.

This is an extraordinary feat as very few everyday items pass the AGR's stringent tests.

Ergonomic hand tool

Over **400 Wiha products** will help you to prevent pain in your musculoskeletal system on a daily basis.

For every new development, Wiha focuses on ergonomics right from the start. An approach Wiha has adopted for decades. This has not only produced a wide range of health-preserving hand tools.

Wiha has also managed to heighten a keen sense for new solutions and generate a wealth of experience in ergonomic-scientific interrelationships.



70 years

Expert knowledge from 70 years of passion

Wiha has been developing and designing screwdrivers for the professional user for an incredible 70 years. Wiha designs the development process for new screwdriver generations based on a wide variety of factors such as safety, ergonomic design and increased efficiency.

As a result, Wiha screwdrivers not only help the user in making their working days **significantly easier** and **simpler**, but also bring **tangible benefits.**

There's a good reason why 70 years of knowledge and a sense for progress have been awarded the renowned AGR seal.



Wiha SoftFinish[®] screwdriver: Work to stay healthy!

Handle design adapted to screwing tasks

Our handle size concept at Wiha is a completely newly developed handle design which has emerged based on various investigations and the results of research in the fields of anthropometrics and ergonomics, and practical applications.

The focus is on the "constant hand size". The four different SoftFinish[®] handle sizes mean that each handle offers the ideal balance of guidance, speed and torque for the respective fastening task. The handle size concept means that the user can both **quickly screw in screws** and **transmit high levels of force.**





Wiha SoftFinish[®] handle sizes

Every Wiha handle optimally balances guidance, speed and torque for the respective fastening task.

Quick-turning - Motor skills are consistently taken into consideration.

Maximum power transmission, comfortable to use and without loss.

Wiha SoftFinish[®] screwdriver: Overview of handle ergonomics

Less pain and **more force** for the user, **fewer illness-related absences** and **healthier, happier employees** for the boss – these are the ideal effects that come with using our Wiha SoftFinish[®] range of screwdrivers.

The SoftFinish[®] handle geometry stands out due to its multi-component handle and anatomically favourable spherical handle shape. The torque-increasing, slim-profiled handle surface in the gripping zone ensures optimal coupling conditions and good response for all types of grip, thus ensuring hand force is transferred effectively.

SoftFinish®

The all-rounder for daily use.



SoftFinish[®] ESD

For electronics technicians or work on components vulnerable to electrostatic discharge.



SoftFinish[®] screwdriver

• Increases your efficiency

The unique Wiha handle size concept with optimal balance between power and control.

• Protects your health

With the patented SoftFinish[®] handle design, ensuring work is kind to hands and muscles. Recommended by doctors and therapists at German Campaign for Healthier Backs.



Wiha SoftFinish[®] screwdriver: For all types of screw fastening.

The Wiha SoftFinish[®] handle generation with a total of **four handle sizes** was developed based on comprehensive studies in handle ergonomics with assistance from the Fraunhofer Institute for Industrial Engineering.

The result is a completely ergonomic design with handle lengths and diameters ideally matched to one another. This ensures optimal handling for all screwdriver sizes for the user.



SoftFinish[®] electric SlimFix

VDE-certified tool for electricians – each product individually tested at 10,000 volts.



MicroFinish®

With a special surface structure ideal for a better grip when working in damp and oily environments.







Wiha Inomic[®] pliers: Not just a tool – a part of you!

Our Inomic[®] handle size concept, with its AGR seal of approval, allows users to work for longer periods whilst sparing the muscles and saving energy.

What makes our Wiha Inomic® so ergonomic?

Its special feature is the parallel movement of the pliers arms. It enables the user to take hold over the entire arm opening area with all 5 fingers simultaneously. The resultant comfortable hand arm position means that more force can be applied more easily.





Wiha Inomic[®] pliers

Thanks to their special angled shape, these pliers form a natural extension of the hand/arm system which prevents the wrist from buckling, unlike the conventional shape of straight pliers.

This positioning and the noticeably light weight go easy on the user's joints, tendons and muscles, thus making work healthier and fatigue-free.

Wiha Inomic[®] pliers: As ergonomic as nature!

As innovative as technology, as ergonomic as nature itself – our AGR-approved Inomic[®] pliers are both! Thanks to its special angled shape, it forms a natural extension of the hand/arm system which prevents the wrist from buckling, as it does with a conventional straight pliers shape.

This positioning and the notably light weight spare the user's joints, tendons and muscles, and thus make for healthier and fatigue-free working.



Incorrect postures and the strain that they cause are prevented while force is applied to the tool more efficiently. They are also kind to the musculoskeletal system during long periods of use, preventing any discomfort.

The pliers handle, with its ergonomic soft plastic zone, is ideally adapted to the ergonomics of the hand, providing the user with additional help for pain-free and comfortable work. "More force, less pain", Wiha's formula for you, the user.



Wiha Inomic[®] pliers: Force applied comfortably with an ergonomic approach!

Comparison: application of force with Inomic® pliers and conventional pliers

(according to Bullinger)

In the case of the Inomic[®] pliers the hand closing force is distributed evenly over the intermediate phalanxes (70%), whilst in the case of the conventional pliers the force transmission is varied. For example, on the conventional pliers the force of the little finger is only transmitted via the distal phalanx (only 15% application of force).

Working with the Inomic[®] pliers is notably more comfortable due to the clear increase in the transmission of force over the entire range of movement.





Inomic[®] pliers

• Protect your health

Ergonomic hand position enables users to work longer while protecting muscles.

• Saves money

Several tools in one: to grip, hold, cut and skin.

Wiha health offensive: getting to grips with health!

In 2017 we are putting the health of users in the spotlight of our campaign and allowing the subject of "Ergonomics and Health" to take centre stage.

As the only hand tool manufacturer in the world, we do not just have the recommendation and recognition of the AGR e.V. (Campaign for Healthier Backs) but also actively get to grips with one of the essential criteria for the use of hand tools – the preservation of health.

We will be pulling out all the stops with tailor-made initiatives and coherent concepts in order to meet the needs for more information and communication of users, specialist trade and lastly the tool market. The pooling of a broad range of measures to achieve this goal will create the "Wiha health offensive 2017". Generating attention. Placing information attractively and emotionally.

Providing communication continuously and in a way which is geared towards the recipient. Explaining competently and providing training with a focus on benefits. These are the basic foundations for sensitisation and creation of a basic understanding which can prove to be a great opportunity for all. Get ready for the "Wiha health offensive 2017" – I FEEL WIHA!





Professional tools which make life easier.

See for yourself at www.wiha.com





Wiha SoftFinish® screwdriver.

- Screwdriver handle size concept for optimum balance between precision and control.
- Features patented SoftFinish[®] handle design, ensuring work is kind to hands and muscles. Recommended by German doctors and therapists of the German Campaign for Healthier Backs.

Wiha Inomic[®] pliers.

- Ergonomic hand position enables users to work longer whilst protecting muscles.
- Three tools in one: gripping, cutting and holding.





Wiha health offensive

- The right hand tool for a healthy back: Can the right hand tool help promote health? What initially sounds unusual, has now been confirmed once and for all in independent investigations and tests by doctors and therapists.
- You will find our health-offensive products at well-stocked specialist traders no need for a prescription, obviously.