

HONSEL

The Art of Fastening

90
YEARS
1930-2020



NEW Rivdom eVNG
Battery riveters for blind rivet nuts



Perfect service



WE ARE HONSEL

VVG Befestigungstechnik
Ein Unternehmen der HONSEL-Gruppe



Catalogue 2021/2022
Blind Rivet Processing

90 YEARS OF **HONSEL**



HONSEL 90 years of experience in the development, production and sales of high-quality fastener elements and setting solutions.



HONSEL 1930

Production of cookware with riveted handles.

HONSEL today

One of the oldest and leading full-line suppliers of riveting and fastener technology in Europe and worldwide.

HONSEL The products

From the simple standard rivet to complex automation with process monitoring.

HONSEL The success story of an owner-managed industrial company with a long-term, sustainable perspective and today more than 300 excellently trained employees at four sites.

HONSEL invests in the company, in machines and in its staff and is synonymous with innovative products, the highest quality, the latest production facilities and partnership-based service always geared to the needs of our customers.



WE ARE JOINING **FORCES**



VVG Befestigungstechnik
Ein Unternehmen der HONSEL-Gruppe

Under a common brand name.
VVG is now **HONSEL**.

VVG and **HONSEL** were closely linked even in the past, and used many resources together. This cooperation will be documented in the future with a common brand image – under the motto

HONSEL. The art of fastening.

We are your strong partner when it comes to fastening technology. 90 years of development, production and sale of high-quality fasteners and processing solutions, combined with a high supply capability and the renowned fast and comprehensive service.

HONSEL. Everything from a single source.



HONSEL benefits.

Optimised processes

for even shorter order routes and reaction times.

Individual support

from specialist teams at your side.

Flexible and personal.

Direct access to the **manufacturer know-how** of the whole HONSEL Group.

Proven range – familiar faces.



THE **ART** OF FASTENING



90
YEARS
1930-2020



Information on other products, such as our industrial fasteners and automation solutions or coil threaded inserts can be found on our website, www.honsel.de, or send for the separate catalogues or data sheets.

CONTENTS

HONSEL Group

Catalogue information
Page 28

6

HONSEL-Group

Blind rivets

Blind rivets

Blind rivet studs

Blind rivet studs

Manual rivting tools

30

Manual rivting tools

Battery tools

42

Battery tools

Pneumatic-hydraulic tools

64

Pneumatic-hydraulic tools

Self-clinching elements

Clinching machines
Page 124

Self-clinching elements

General and technical Information

82

Informations



For more information about these product groups see our seperate catalogues or visit our website www.honsel.de/en



BZ Series for blind rivets



VNG Series for blind rivet nuts/bolts



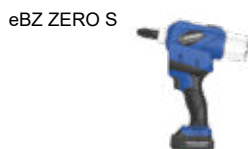
MULTI Series for blind rivets, blind rivet nuts/bolts



Rivdom eBZ Series for blind rivets



RivSmart eBZs Series for blind rivets



Rivdom eVNG Series for blind rivet nuts/bolts



BZ Series for blind rivets



VNG Series for blind rivet nuts/bolts



Please note that we reserve the right to charge alloy surcharges based on the spot price at the time of ordering.

THE HONSEL GROUP

HONSEL. Individual.

We offer special solutions from special fasteners through to fully automated process-controlled riveting.

Our experts accompany you from the first idea through to the application in series production.

Our focus is always on long-term, full-line support with continuous exploitation of all optimisation possibilities.

Competent and proactive.

INDUSTRY



HONSEL. Standard.

We are the flexible point of contact for the trade and manufacturers in all branches of industry.

Professionals at our sites and a nationwide field service are available to provide advice on the spot – as a source of ideas and as problem solvers.

We supply our extensive standard product range from the well-equipped **HONSEL** logistics centres.

Quick and reliable.

TRADE + MANUFACTURING



SPECIALISTS

FROM A SINGLE SOURCE

DIVISIONS

AUTOMOTIVE



HONSEL. Mobile.

The decades of experience in the complex support for and supply to almost all major automotive manufacturers and their suppliers is one of our core competences.

We successfully face new challenges such as in the of e-mobility and develop - cient concepts with and for our partners.

Pioneering and cost-e ctive.



TOOLS + PROCESSING



HONSEL. Innovative.

Perfect processing for every fastener and every application is our goal.

We develop and produce hand-held tools such as battery riveters as well as automation and component solutions or process monitoring systems.

We also support you with comprehensive service during operation.

Dependable and networked.



HONSEL SITES

HONSEL. Neumünster.

After being successful on the market for 25 years as VVG-Befestigungstechnik, **HONSEL Distribution** will continue to be responsible with the familiar team for the delivery of the catalogue range of standard and norm parts – in many cases adapted to the customer's requirements.

The new and further development of hand-held setting and riveting tools and their maintenance and repair are also carried out at the site.



HONSEL. China.

A large number of standard fasteners are manufactured to **HONSEL** specifications by **HONSEL Fasteners** and tested in their own quality assurance centre in Wuxi/China. The site is also home to the Group's logistics centre in Asia and delivers directly to the Chinese market.



WORLDWIDE

AVAILABILITY

HONSEL. Fröndenberg.

HONSEL Umformtechnik is the heart of the Group and its main manufacturing site.

The latest machinery and continuously expanded production capacities guarantee the reliable production of individual custom parts and automation solutions for large-scale industry and automotive customers. A sophisticated logistics concept with fully automated warehouse ensures fast and dependable availability.



HONSEL. France.

HONSEL France is responsible for the French-speaking market.

With a visible local presence, well-stocked warehouse and comprehensive field service network, HONSEL France has been a competent partner for trade and industry for decades.



HONSEL is represented by a large number of trading partners on every continent, whether in the USA, Mexico, Brazil or India, and in practically every European country, Switzerland and Turkey.



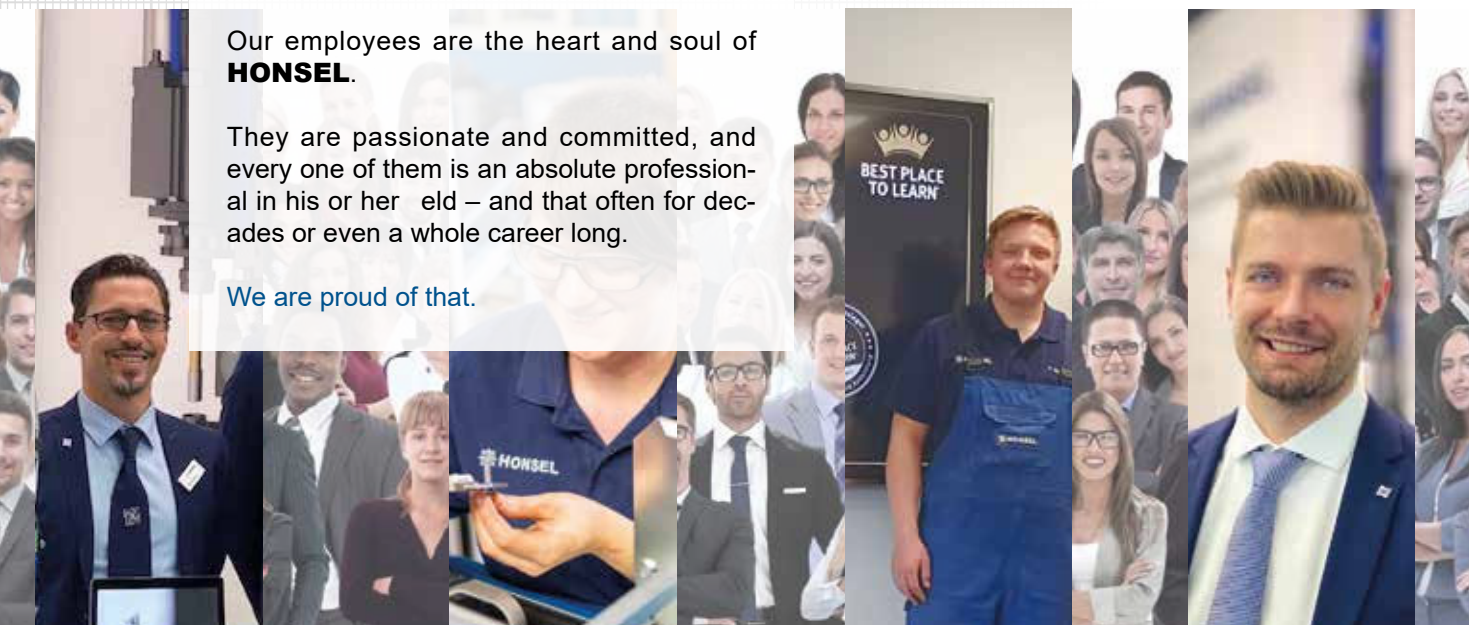
WE ARE HONSEL

HONSEL. The team.

Our employees are the heart and soul of **HONSEL**.

They are passionate and committed, and every one of them is an absolute professional in his or her field – and that often for decades or even a whole career long.

We are proud of that.



HONSEL. Career.

HONSEL is an employer with a tradition and a future.

The continuous integration of the latest technologies and the experience of our company history form the basis for challenging commercial, industrial and technical jobs.

We train our own apprentices and provide ongoing internal and external training for our staff.



PEOPLE

and VALUES

HONSEL. Guidelines.

We keep our promises. Dependability – both internally and externally – is a matter of course for us.

We work for our customers. Optimum technical support, the highest productivity and punctual deliveries are our top priority.

We are one team. Only together can we achieve our goals.



HONSEL. Environment.

For us, progress also means **sustainable management** in all areas.

For example, our production facilities are equipped with solar panels, and the plant in Fröndenberg – directly on the Ruhr river – meets the highest environmental standards. We have significantly reduced the use of printed media.

We demand an awareness in these issues also from our suppliers and partners, and evaluate the results on an ongoing basis.



HONSEL AT A GLANCE.

- Manufacturer for 90 years with more than 400 employees at four sites
- Over 10,000 m² of production area
- In the heart of Germany – in the heart of Europe – near you worldwide
- High manufacturing depth for solid and hollow parts with complex bores and close tolerances
- Wide range of customer-oriented services
- Ongoing further development of resources and investments throughout the Group

Our production facilities – 80 % new investments in recent years.

- More than 1000 two- and six-stage headers for cold forming up to 20 mm wire diameter and 60 mm length
- Optoelectric sorting machines for 100 % inspection of all custom products
- Screw conveyor washing facilities and belt conveyor furnace
- Turning and milling centres
- EDM machines, automatic grinders and thread formers

Development, logistics and service

- The latest CAD workstations for design engineering and product development
- Packaging machines of the latest generation for bags, disposable boxes and KLTs
- Automated high-bay warehouse
- New office building on four floors
- Repair and maintenance centres for setting tools
- Vast know-how in all areas – from development through production up to sales

In-house processes

- Finite elements simulations
- Induction hardening and annealing
- Recrystallisation annealing
- Crimping and laser welding
- Application of various seals
- Finishing operations such as barrel finishing, drilling, turning and milling, rolling and pointing
- Assembly of component elements
- 100 % inspection
- Length and roughness tests
- Metallurgical examinations
- Microscopy up to 1,000x magnification
- Profile projection
- Eddy current testing
- HV & HB hardness tests
- Universal testing machines up to 50 kN

- In-house toolmaking shop for fast prototype production
- Certification to ISO 14001 and ISO/TS 16949

FACTS and

REFERENCES

HONSEL CUSTOMERS

HONSEL has been working successfully and in close partnership with a large number of leading companies from the automotive industry and their suppliers, and with manufacturers from other branches of industry – and that for decades.

Sophisticated special solutions are developed together and brought to series production maturity.

Furthermore, we are supported by over 2,000 trading partners in the sale of our products worldwide – from A for Australia to Z for Zimbabwe.



The logos and trademarks illustrated are the property of the respective holders.

WIRE PRODUCTS



The art of **cold forming**



It all began with wire.

From the very beginning, we have manufactured our fastener elements from wire up to 20 mm in diameter and have vast know-how, a great manufacturing depth and the ability to achieve even the most complex deformation ratios with very close tolerances.

During cold forming, the wire is subjected to very large forces in several steps to bring it to the desired shape.

The task during production is to achieve very high deformation ratios using headers.

HONSEL has constantly refined this production principle over the 90 years of the company history and can today offer high-precision customised products made of a wide range of materials that meet all the demands of the latest quality standards.

Perfect and uncompromisingly individual with the highest precision

In some cases, the experience in the **HONSEL** team is passed down from generation to generation. A combination of the courage to explore new ideas and the latest technology results in new production concepts – always with the goal of creating the optimum product for every customer.

Today **HONSEL** is a sought-after supplier for sophisticated custom solutions or standard products that can be produced inexpensively in large series.

The portfolio ranges from simple cold formed parts through to specially finished custom elements.



DEVELOPMENT AND ENGINEERING

HONSEL and the eye for something new.

The basis for our success is the continuous search for new possibilities, always looking out for perfect solutions. We recognise the potentials for fastener and processing concepts, put these into practice and optimise them continuously.

NEW DEVELOPMENT

HONSEL sees itself as a development partner for its customers who not seldom provide the stimulus for innovative and cost-efficient results. On this basis, our engineers together with the product management team constantly come up with **sophisticated ideas for new products**.

In doing so, we also divert from familiar paths in order to meet even the most individual demands. After evaluation of the feasibility, implementation is carried out by experienced design engineers at modern CAD workstations, in prototype production and in-house 24/7 endurance tests. The latest processes, such as finite element simulations, are also available for validation.

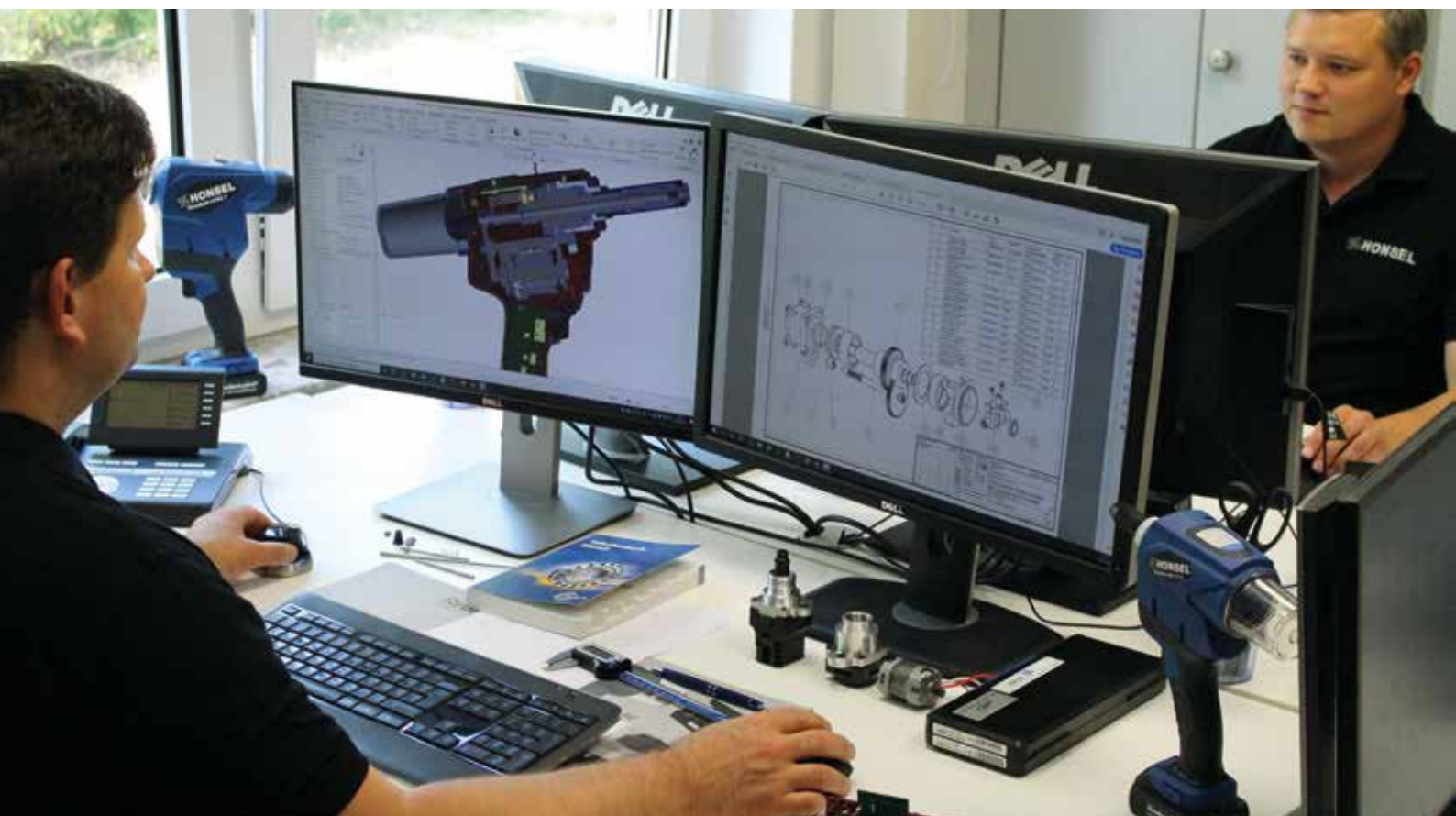
FURTHER DEVELOPMENT

On the other hand, our application technicians are permanently engaged in the **optimisation of the existing product range**.

This is where tests and analyses are carried out, customer feedback is evaluated and the know-how from the sales and service team is taken into consideration, reviewed and verified.

The results then go directly into the production at the various production sites.

Pioneers in blind riveting technology.



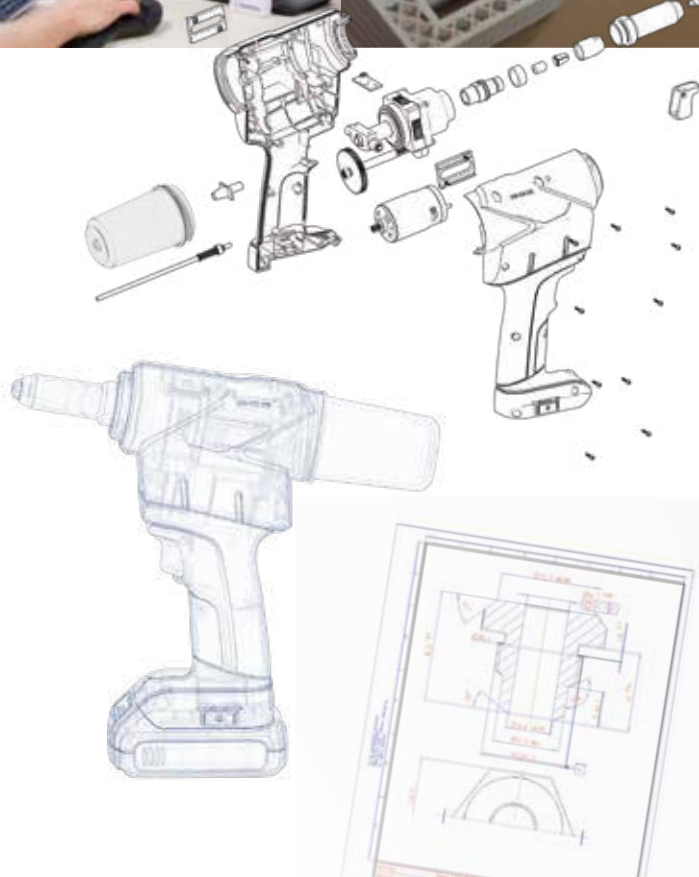


FASTENERS and FASTENING

A wide range of fasteners for the extensive standard product range with over 1000 sizes or customised fastener elements for large-scale series production?

Hand-held tools, such as the successful **Rivdom®** and **RivSmart®** battery riveters with a vast array of accessory options or complex, fully automated systems and components with process monitoring for industry?

HONSEL will work with you and the experts in our central and local offices to develop the most individual, efficient and cost-effective – in short ... **the perfect solution for your application.**



CAD DATA SERVICE

We offer design engineers and product developers the possibility of downloading each of our standard sizes from the latest catalogue range for direct integration into their applications – in **over 100 different formats** as native 3D CAD models for all common CAD systems.

Simple, quick and free of charge.



The right models for every **CAD system.**

You can thus eliminate the need for time-consuming product searches or for requesting necessary data material and can concentrate fully on your own development work.

Just find the required fastener as normal in the product section of our Internet website under **www.honsel.de/produkte/standardverbinder** and then click on the CAD symbol behind the required size.

Log in directly to the **CADENAS PARTcommunity** or quickly and easily create an account once only. In the portal you then have the possibility of adapting the product to your needs again before the download and of selecting, for example, between delivery condition and finished rivet product.

 **PARTcommunity**

CAD
DATEN
ONLINE

CAD
ONLINE

PRODUCTION

HONSEL fastens.

For decades now, our core business has been and still is our manufacturing competence for the **complex cold forming of wire** in all common materials such as steel, aluminium, stainless steel, copper and brass – and many others.

HONSEL production sites are among the most modern production facilities for fasteners. Short routes and a large number of in-house further processing and finishing options are your **guarantee for maximum flexibility**.

On more than thirty ultra-modern 5 or 6-stage headers, we bring wire of up to 20 mm in diameter into shape.

All the multi-stage headers at **HONSEL** have full process control and are designed with redundancy. This gives us sufficient freedom to be able to react to production demands even at short notice.

The production capacities are all designed for 3-shift operation. Transport and material supply routes are optimised and just as (partly) automated as the in-house transportation and delivery to the customer.

Another elementary factor for smooth production is access to a well-stocked starting material and wire stock at the site at all times.





The most important component, however, is highly motivated employees who are able to intuitively control the enormous forces involved in forming on the press with the highest precision.

Regular training combined with know-how passed down from generation to generation form **the DNA of our production.**



SECONDARY PROCESSING

HONSEL goes FURTHER.

Pressing is often followed by a large number of further work steps. Most these can be carried out in-house thanks to the continuous expansion of our possibilities. Together with the in-house toolmaking shop for production equipment, this contributes significantly to shortening the processes, both in reaching production maturity for custom parts and for the expanding of the standard product range.



Pressed, washed, annealed

– that is the sequence in the cold forming process for our products. For most of the **HONSEL** parts, however, the production route is still far from over at this point.

Proactive, regular investments in **future-oriented new technologies** are directly integrated into existing routines and thus become a common part of the wide variety of in-house processes.

Tolerance practically zero.

In many branches of industry, very close tolerances are demanded that the supplier has to constantly ensure. For custom parts, **HONSEL** achieves a concentricity tolerance of less than 0.07 mm and deviations e.g. in the coil length of +/- 0.05 mm. Absolute top values!

HONSEL possibilities.

- **Barrel finishing** to reduce friction and prolong service lives.
- **Drilling, turning and milling.** Machining operation to modify shank forms and contours.
- **Rolling and pointing** for production of different bolt versions.
- **Thread forming** (inside or outside)
- **Laser welding** of blind rivet bolts in our own laser chamber.
- **Crimping** of blind rivet bolts to create an inseparable captive sleeve/bolt system with perfect corrosion protection.
- **Application of certified sealants.** Mechanical or hybrid components with plastic sheathing of metal parts.
- **Application of partial scratch protection.**
- **Assembly of component elements**, e.g. bolt/sleeve combinations.
- **Heat treatment.** Partial annealing and hardening of component areas to increase strength.
- **Surface coating** in a local partner network for the highest demands on corrosion protection.





Particular attention has been paid for many years to our [in-house toolmaking shop](#).

The independent production of the necessary production tools guarantees shorter delivery times even during prototype production and vast possibilities for meeting even the most unusual wishes of our customers.

The complex tool kits often comprising several hundred parts are stored in a perfectly organised and fully automated system, and are therefore quickly available for use on the machines at any time.

It is therefore not unusual even with completely new custom parts for **HONSEL** to be able to deliver a series production part to the customer, including production of the prototype, within just a few weeks of receiving the concrete enquiry.



QUALITY



HONSEL From first part to the last:
consistent flawless and good!

The highest quality in every form has the greatest importance in our day-to-day business activities. Uncompromising in every area.

The HONSEL Group has developed exemplary **quality assurance processes** at all its sites. This is underlined by our certification to ISO 9001:2008, ISO 14001 and ISO/TS 16949.

In addition to standard test methods for checking shear and tensile forces, the riveting mandrel breaking forces and push-out forces and the locking of the mandrel inside the head, the latest measuring instruments and testing facilities ensure the highest level of production even with very large quantities.

Here we use **process monitoring systems** and **optoelectronic testing machines** for the **100 % inspection** of individual customised parts. This and **0 ppm strategies** are criteria that companies have to meet today when it comes to defining targets in quality assurance.



By **already testing every individual batch at all phases of the running production process** and its documentation by means of a CAQ software integrated into our modern IT system, continuous tracking of all shipped products is assured back to the starting material used.

Measuring equipment is also available for length and roughness tests, metallurgical tests, microscopy, profile projection, eddy current and hardness tests.



APPROVALS AND CERTIFICATES

National technical approvals

General national technical approvals are required for many types of construction and construction products where no defined rules and standards exist, or where extreme deviations from these exist.

These serve as proof of their safe use in the intended applications and describe the necessary technical requirements for a construction.

In the field of blind rivet technology, for example, these are:

- General fasteners for steel and aluminium substructures
- Aluminium substructures for solar energy installations
- Longitudinal butt joints of corrugated sheets
- Longitudinal butt joints of metal and corrugated plastic sheets
- Production of sliding points on aluminium substructures

The blind rivets currently approved or undergoing approval from the product groups **ALFO®**, **OPTO®**, **CERTO®** and for **folding blind rivets with neoprene seal** are marked with the symbol opposite.



For necessary documents and further information, please contact the specialists from our technical sales team directly.



From January 1st, 2021 **HONSEL Distribution GmbH & Co.**

You can rely on us. **Guaranteed.**

Please ask for possible updated versions of the certificates issued during the life of the catalogue.

LOGISTICS

HONSEL Securely packed – quickly dispatched.

Even the best goods are only worth half as much if they are not available in sufficient quantities at the right time. That is why we attach the greatest importance to the reliable delivery of the ordered products – whether straight from production or from the constantly well-stocked warehouses at all the sites of the **HONSEL** Group!

15,000 m²

warehousing and logistics area

70,000

Parcel shipments per year

10,000

Pallet transports per year

In recent years, **HONSEL** has invested in a broad packaging and logistics infrastructure.

The most recent example is the newly built Works III with a further 2500 m² of space at the Fröndenberg site. A new warehouse management system with synchronised communication between stock management and ERP system was introduced there, together with the “goods-to-person” principle in order picking.

Backed up by a narrow-aisle stacker system designed for semi-automatic positioning, the finished products are buffer-stored there and prepared for dispatch according to the order requirements. In addition to greatly improved inventory and process reliability in day-to-day operation, a high order picking performance was achieved with reduced labour.

Thanks to modern packaging capacities at all the sites, **HONSEL** is able to provide practically any packaging required – from the simple standard packaging up to **customised special packaging**.

Even for very high volumes in the shortest of time!

- **Cardboard packagings** in any form.
Small packagings with Euro hole, various standard sizes, large packagings for loose bulk goods.
- **Customer packagings**
We also fill cardboard boxes with the customer's design.
- **Small load carriers (KLTs)**
Standardised plastic transport and storage boxes specified or supplied by the customer.
- **Small load carriers (KLTs)**
Standardised plastic transport and storage boxes specified or supplied by the customer.
- **Bag packaging**
e.g. as product enclosures or service kits
- **Kanban systems**
Together with our trading partners, we deliver to a wide range of different Kanban systems in industry





Logistics means more to us.

- Long contact hours every day, late last dispatch and short organisational and travel distance guarantee short reaction times.
- Long-standing logistics partners for parcel and pallet goods for punctual and smooth handling during transport of the shipments – of course with delivery next day, if necessary.
- Clear identification.
- High delivery availability thanks to perfectly planned warehouse stocks and supply chain organisation.
- EDI and other data interfaces for smooth communication with customers and service providers.
- Just-in-time. Long-term delivery schedules with automatic delivery.



SPECIALIST TRADE

HONSEL

Partner of the specialist trade

We support the specialist trade and associations in the successful distribution of **HONSEL** products. In Germany. In Europe. Worldwide.

- Long contact hours, highest availability of the catalogue product range and fast delivery guarantee high flexibility
- - We have a local presence and provide support in all questions concerning riveting and fastener technology and give valuable tips for sales
- We carry out special projects for the trade partner's customers together and on a basis of trust, as well as providing technical support
- Printed and digital sales support
- We train the dealer's staff and thus provide security for the resale
- We present the **HONSEL** products in an attractive and informative manner at in-house exhibitions or individual customer events
- Individual and attractive solutions for successful presentation in the retail business



ONLINE SUPPORT



On our new website, www.honsel.de, you will not only find information about the **HONSEL** Group, but also a number of useful tips to simplify your day-to-day work in rivet and fastener technology

- Product search. Overview of all HONSEL products – in many cases backed up with illustrations, drawings, or animation, data sheets and CAD data for the design engineering.
- Download centre with a wide range of material, such as:
- ProductView
- Live-Chat for direct, quick contact with our team

We have a large number of videos available on YouTube, many of which can be called up via the QR codes in this catalogue.

You can receive up-to-date information on our social media channels or with the regular **HONSEL** newsletter.



Service, Service, Service. More than just good products.

We have an open ear for your needs and wish to make cooperation with our companies as **smooth and uncomplicated** as possible.

Product know-how and application experience are part of our DNA.

Thanks to our continuous internal and external further training, outstandingly qualified staff are at your disposal with **friendly and competent** information, a passion for our products and always a pragmatic, quick solution to the big and small problems of your day-to-day business.

We accompany major projects from the first idea through to the regular supply with experts from all the necessary departments who work closely together to **guarantee optimum support**.



We are **HONSEL**.



REPAIRS AND MAINTENANCE

Tool downtimes have to be kept **as short as possible**.

To ensure that the repair of your tool can be carried out **even faster**, we have further **optimised and simplified** the processes for users and our trade partners.

In future, on receipt of the tools, a **direct repair** will be carried out **without cost estimate** but within a maximum cost framework by the **experienced experts** in our service team.

And to ensure that you can continue to work during the repair, we have an adequate number of **hire tools** in stock.

Regular maintenance is also playing an increasingly important role. Talk to our sales team about the possibilities of **extended guarantees, maintenance plans and service packages**.

You can also use our **ONLINE SERVICE CHECK-IN** tried-and-tested for years in order to **expedite the handling of your repair** by registering with all the necessary data.



Necessary information

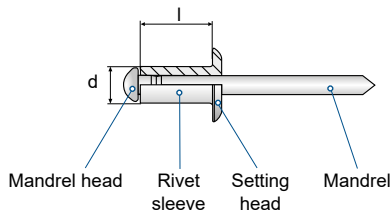
Please note

that a very large number of individual factors have an influence on a riveted joint. For this reason, riveting tests should always be performed (we can provide samples for these on request).

The standard range presented in this catalogue shows only a small proportion of all the products available. Should you need an article or size – we find an alternative!

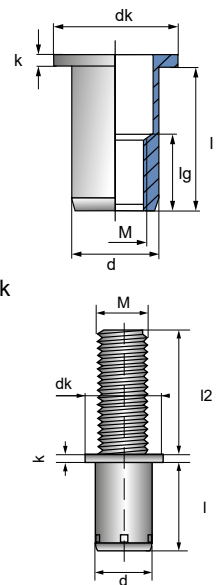
Blind rivets

- Material combination (sleeve / mandrel)
- Shank / bore diameter (d)
- Shank length / clamping range (l)
- Head form (dome, countersunk, large dome head)



Blind rivet nuts / bolts

- Material
- Thread size (M)
- Shank / bore diameter (d)
- Shank length / clamping range (l)
- Shank form (open / closed)
- Head form (dome, countersunk, small countersunk head)
- Twist lock (knurling / (partial) hexagonal shank)
- Bolt length in set condition (l2)



Tools

- **How often is the tool used?**
No. of rivets
- **Where is the tool used?**
Production / workshop / construction site, etc.
- **What max. dimensions / materials are processed?**
- **Are special rivet types to be processed?** e.g. high-strength blind rivets



Special nosepiece required



Hexagonal product



Closed shank



Knurled



Imperial dimensions



Stainless steel A4 grade



Pivoting tool head



Weight in kg



Tensile force at 7 bar



Pressure in bar



Stroke in mm



Maximum stud diameter



Sound emissions in dB(A)



Air consumption in litres



Connection possibilities



Scope of supply



Type of packaging



Packaging with hole for hanging

HONSEL manual riveting tools. Proven quality in a new design.

Manual riveting tools

Manual riveting tools are indispensable even today for setting small quantities of blind rivet products. Quickly at hand, they can immediately be used independently everywhere and anywhere.

Our trade partners appreciate **HONSEL** manual riveting tools as reliable customer magnets – whether online or over the counter.



On the following pages you will find the right variant for every application – from sturdy **one-hand riveting tools** for the do-it-yourself or repair work through the universal **MULTI tools for all blind rivet types** right up to comfortable **special tools with integrated hydraulics** or for the **setting of blind rivet nuts up to M12!**

With appropriate order quantities, we can prepare customised product boxes going beyond the standards shown here. Ask us!

BZ 2

Hand tool for blind rivets
with opening spring



MOVIE



**Good ergonomics,
brilliant transformation**



2.4	3.0	3.2	4.0	4.8	5.0	6.0	6.4	8.0
Aluminium								
Steel								
Stainless steel								
Copper alloys								



0.56 kg



Blister



8.00 mm



incl. 4 nosepieces

Item no. 310002000000



BZ 2A NEW from April 2021

with mandrel container



Item no. 310002000001

Container set for retro g

Item no. 311002000031

100 x OPTO® multigrip blind rivets in ALU and STEEL
Dome head 3.2 x 8.0
Grip range: 0.8-4.8 mm
Item no.: 10600032080

50 x OPTO® multigrip blind rivets in ALU and STEEL
Dome head 3.2 x 11.0
Grip range: 4.0-7.9 mm
Item no.: 10600032110

50 x OPTO® multigrip blind rivets in ALU and STEEL
Dome head 4.0 x 6.0
Grip range: 0.5-3.0 mm
Item no.: 10600040060

50 x OPTO® multigrip blind rivets in ALU and STEEL
Dome head 4.0 x 9.5
Grip range: 1.2-6.4 mm
Item no.: 10600040095

25 x OPTO® multigrip blind rivets in ALU and STEEL
Dome head 4.8 x 10.3
Grip range: 1.5-6.0 mm
Item no.: 10600048103

25 x OPTO® multigrip blind rivets in ALU and STEEL
Dome head 4.8 x 15.1
Grip range: 4.8-11.1 mm
Item no.: 10600048151



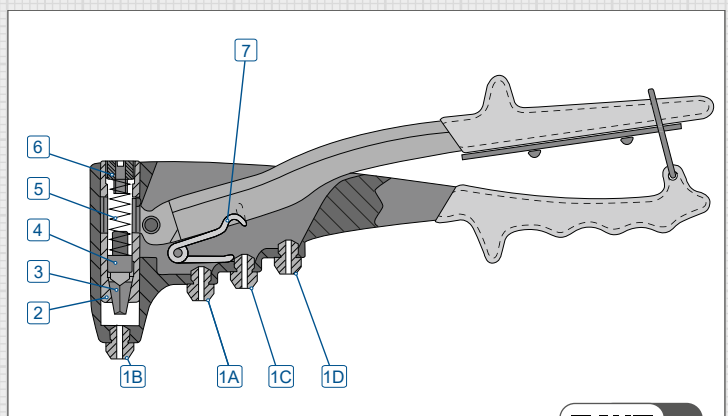
BZ 2 with OPTO® aluminium/steel fasteners

Product box of sturdy plastic with BZ 2 blind riveter incl. jaw wrench, additional clamping jaws, 1 drill each 3.3 mm, 4.1 mm and 4.9 mm and 300 blind rivets:

Item no. 310002600000

BZ 2 spare parts

No.	Item no.	Spare part
1A	311002000024	BZ 2 nose piece 2,4 mm
1B	311002000123	BZ 2 nose piece 3,0/3,2 mm
1C	311002000124	BZ 2 nose piece 4,0 mm
1D	311002000125	BZ 2 nose piece 4,8/5,0 mm
2	311002000040	BZ 2 clamping sleeve
3	311002000132	BZ 2 clamping jaws
4	311002000006	BZ 2 guide sleeve
5	311002000007	BZ 2 pressure spring
6	311100000023	BZ 2 clamping screw
7	311002000101	BZ 2 leg spring



You can also use our interactive ProductViewer to quickly search for the correct spare part.



INFO



BZ 44

Hand tool for blind rivets
with opening spring



The classic tool –
sturdy and reliable



2.4	3.0	3.2	4.0	4.8	5.0	6.0	6.4	8.0
Aluminium								
Steel								
Stainless steel								
Copper alloys								

0.63 kg Blister 9.5 mm incl. 4 nosepieces

Item no. 310044000000



With holding mechanism for the mandrel.

The mandrel is held in the tool before and after the riveting process, so that the tool can be easily operated with one hand, while the other hand can hold the workpiece.

100 x ALFO® standard blind rivets in ALU and STEEL
Dome head 3.0 x 6.0
Grip range: 1.5-4.0 mm
Item no.: 10700030060

50 x ALFO® standard blind rivets in ALU and STEEL
Dome head 3.0 x 8.0
Grip range: 3.0-6.0 mm
Item no.: 10700030080

50 x ALFO® standard blind rivets in ALU and STEEL
Dome head 3.0 x 10.0
Grip range: 5.0-7.5 mm
Item no.: 10700030100

50 x ALFO® standard blind rivets in ALU and STEEL
Dome head 4.0 x 6.0
Grip range: 1.0-3.5 mm
Item no.: 10700040060

50 x ALFO® standard blind rivets in ALU and STEEL
Dome head 4.0 x 8.0
Grip range: 3.0-5.5 mm
Item no.: 10700040080

50 x ALFO® standard blind rivets in ALU and STEEL
Dome head 4.0 x 10.0
Grip range: 5.0-7.0 mm
Item no.: 10700040100



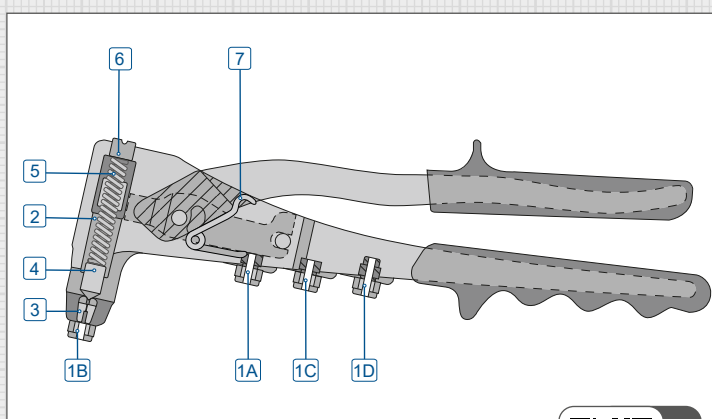
BZ 44 with ALFO® aluminium/steel fasteners

Product box of sturdy plastic with BZ 44 blind riveter incl. jaw wrench, additional clamping jaws, 1 drill each 3.1 mm and 4.1 mm and 350 blind rivets:

Item no. 310.044.700.000

BZ 2 spare parts

No.	Item no.	Spare part
1A	311002000024	BZ 44 nose piece 2,4 mm
1B	311002000123	BZ 44 nose piece 3,0/3,2 mm
1C	311002000124	BZ 44 nose piece 4,0 mm
1D	311002000125	BZ 44 nose piece 4,8/5,0 mm
2	311044000003	BZ 44 clamping sleeve
3	311002000132	BZ 44 clamping jaws
4	311044000005	BZ 44 guide sleeve
5	311044000006	BZ 44 pressure spring
6	311044000007	BZ 44 clamping screw
7	311044000102	BZ 44 leg spring

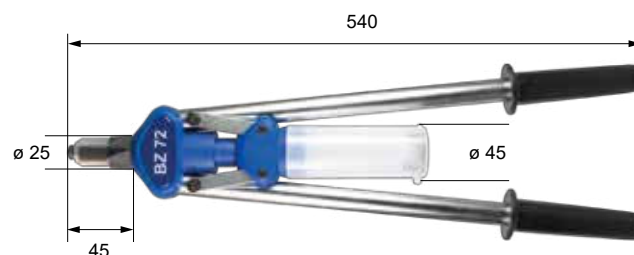
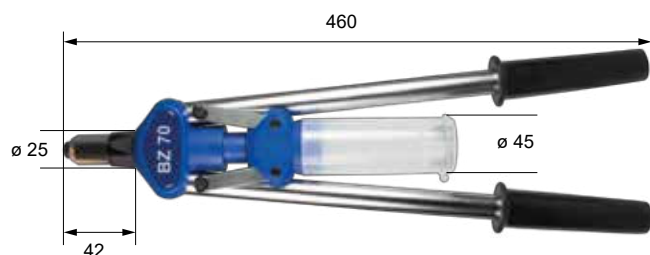


You can also use our interactive ProductViewer to quickly search for the correct spare part.



BZ 70 / 72

Lever tool for blind rivets



Sturdy construction. Reliable setting of blind rivets even with large diameters.

BZ 70

2.4	3.0	3.2	4.0	4.8	5.0	6.0	6.4	8.0
Aluminium								
Steel								
Stainless steel								
Copper alloys								

1.5 kg	Case	3.2 mm
14.5 mm	incl. 4 nosepieces	Special nosepieces on request

Item no. 310070000000

BZ 72

2.4	3.0	3.2	4.0	4.8	5.0	6.0	6.4	8.0
Aluminium								
Steel								
Stainless steel								
Copper alloys								

1.65 kg	Case	4.0 mm
14.5 mm	incl. 4 nosepieces	Special nosepieces on request

Item no. 310072000000



Replacement nose pieces in closed compartment on the mandrel collector.

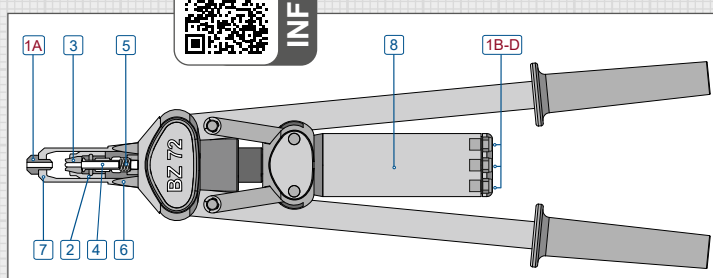
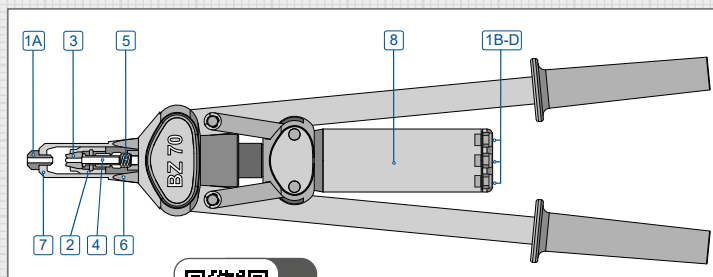


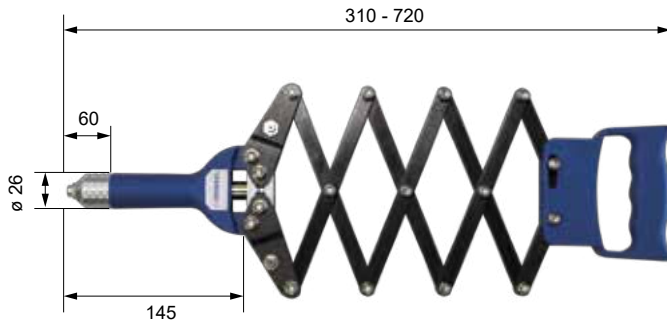
All **HONSEL** lever riveting tools are supplied in an impact-resistant plastic case.

BZ 70/72 spare parts

No.	Item no.	Spare part
1A	311070000001	BZ 70 nose piece 3,0/3,2 mm
1B/1A	311070000002	BZ 70/72 nose piece 4,0 mm
1C/1B	311070000003	BZ 70/72 nose piece 4,8/5,0 mm
1D/1C	311070000004	BZ 70/72 nose piece 6,0 mm
1D	311072000001	BZ 72 nose piece 6,4 mm
2	311070000008	BZ 70/72 clamping sleeve
3	311070000006	BZ 70/72 clamping jaws
4	311070000009	BZ 70/72 guide sleeve
5	311070000010	BZ 70/72 pressure spring
6	311070000011	BZ 70/72 lock nut
7	311070000005	BZ 70/72 front sleeve
8	311070000007	BZ 70/72 mandrel collector

321120000511	Facade nosepiece 5,0 mm Head 11,0 mm
321120000514	Facade nosepiece 5,0 mm Head 14,0 mm
321120000516	Facade nosepiece 5,0 mm Head 16,0 mm





Simple operation, very good power transmission.

BZ 58

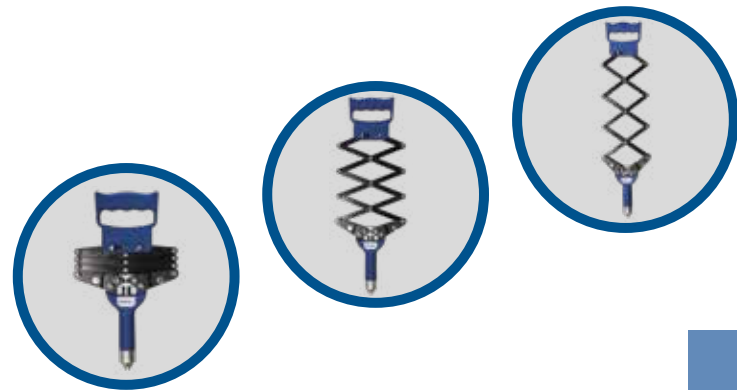
2.4	3.0	3.2	4.0	4.8	5.0	6.0	6.4	8.0
Aluminium								
Steel								
Stainless steel								
Copper alloys								

kg	2.0 kg	Carton	3.8 mm
HUB	11 mm	incl. 5 nosepieces	Special mouthpieces See on request.

Item no. 310058000000



Replaceable nosepieces screwed into the tool.

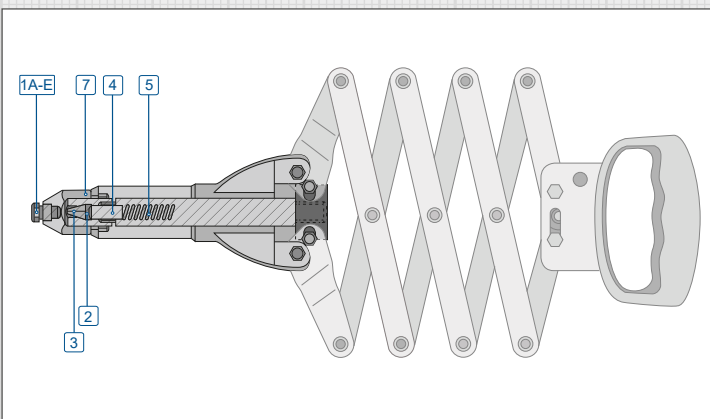


Shear blind riveting tools are eminently suitable, for example, for quick, reliable and ergonomic setting of blind rivets in
 ors, even in large quantities.

BZ 58

BZ 58 Spare Parts

No.	Item no.	Spare part
1A	311100000123	BZ 58 nose piece 3,0/3,2 mm
1B	311100000124	BZ 58 nose piece 4,0 mm
1C	311100000125	BZ 58 nose piece 4,8/5,0 mm
1D	311500000126	BZ 58 nose piece 6,0 mm
1E	311500000127	BZ 58 nose piece 6,4 mm
2	311500000004	BZ 58 clamping sleeve
3	311500000005	BZ 58 clamping jaws
4	311500000006	BZ 58 guide sleeve
5	311500000007	BZ 58 pressure spring
7	311058002006	BZ 58 front sleeve



You can also use our interactive ProductViewer to quickly search for the correct spare part.

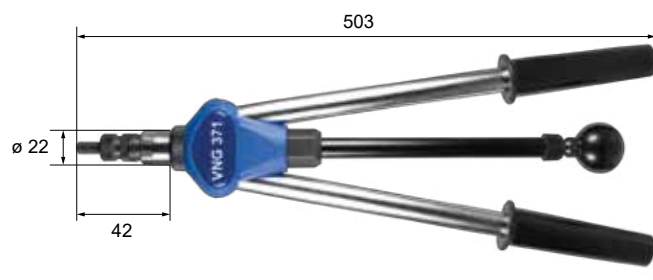


VNG 371

Manual riveting tool for blind rivet nuts and blind rivet studs



MOVIE



Easy unscrewing thanks to threaded rod



M3	M4	M5	M6	M8	M10	M12
		Aluminium				
		Steel				
		Stainless steel				



	Steel	
--	-------	--



Quick-change system for the threaded mandrel.



All **HONSEL** lever riveting tools are supplied in an impact-resistant plastic case.



1.2 kg



14.5 mm



Plastic case



595 x 270 x 60 mm



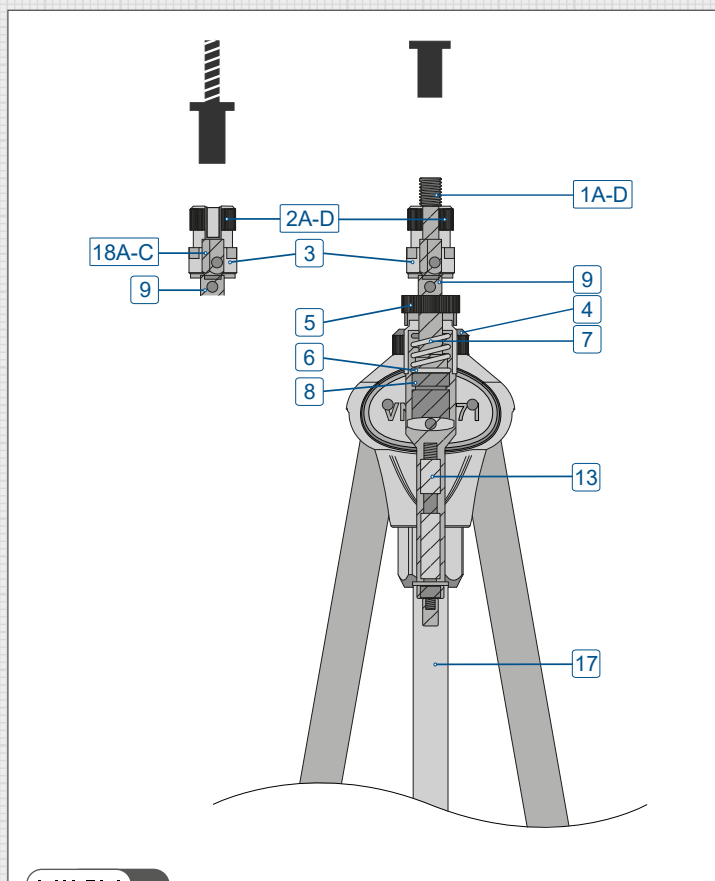
1 conversation kit each for blind rivet nuts in M5, M6, M8, M10
1 threaded sleeve each for RIFBOLT® blind rivet bolts in M5, M6, M8

Item no. 310371000000

VNG 371 Spare Parts

No.	Item no.	Spare part
1A	311371000005	VNG 371 mandrel M5
1B	311371000006	VNG 371 mandrel M6
1C	311371000007	VNG 371 mandrel M8
1D	311371000008	VNG 371 mandrel M10
2A	311371000001	VNG 371 nose piece M5
2B	311371000002	VNG 371 nose piece M6
2C	311371000003	VNG 371 nose piece M8
2D	311371000004	VNG 371 nose piece M10
3	311371000012	VNG 371 lock nut nose piece
4	311371000013	VNG 371 stroke adjusting cap
5	311371000015	VNG 371 plastic knurled nut
6	311371000014	VNG 371 o-ring
7	311371000016	VNG 371 pressure spring
8	311371000017	VNG 371 housing tube
9	311371000025	VNG 371 connection sleeve
13	311371000030	VNG 371 feed rod
17	311371000020	VNG 371 stranded rod
18A	311371000009	VNG 371 threaded sleeve M5
18B	311371000010	VNG 371 threaded sleeve M6
18C	311371000011	VNG 371 threaded sleeve M8

Item no.	Spare part
311371000040	Mandrel M6 Folding blind rivet nuts
311371000041	Mandrel M8 Folding blind rivet nuts



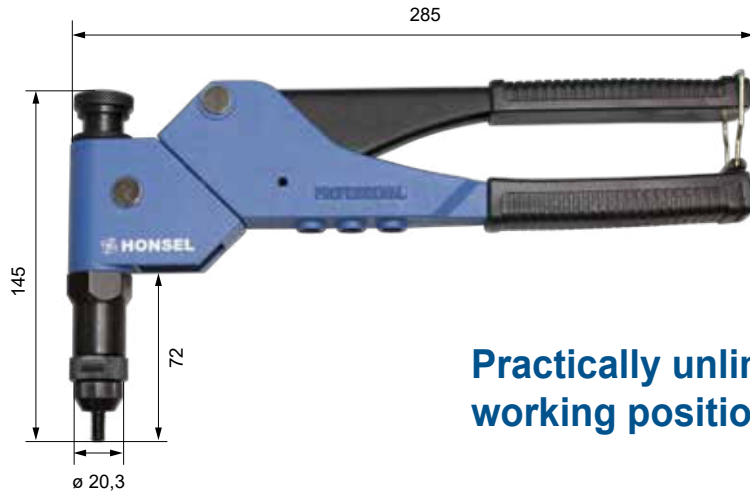
INFO

You can also use our interactive ProductViewer to quickly search for the correct spare part.



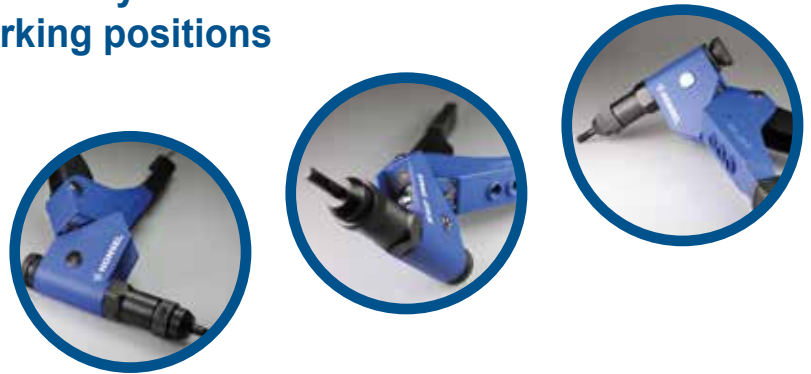
VNG 255

Manual riveting tool for blind rivet nuts and blind rivet studs
Including product assortment | 360° rotating head



The best-seller - sold over 10,000 times!

Practically unlimited working positions



M3	M4	M5	M6	M8	M10	M12
optional Aluminium						
optional Steel						
optional Stainless steel						

	Steel					
--	-------	--	--	--	--	--

0.9 kg	Plastic case
325 x 250 x 50 mm	Steplessly pivotable through 360°

Universal and flexible in use!

25 x blind rivet nuts UNIVERSAL STEEL M4 Small countersunk head Grip range: 0.5 - 3.0 mm Item no.: 10870400000	25 x blind rivet nuts UNIVERSAL STEEL M5 Small countersunk head Grip range: 0.5 - 3.0 mm Item no.: 10870500000	50 x blind rivet nuts UNIVERSAL STEEL M6 Small countersunk head Grip range: 0.5 - 3.0 mm Item no.: 10870600000
25 x blind rivet studs RIFBOLT® STEEL M4 Dome head Grip range: 0.3 - 2.0 mm Item no.: 10880042010	25 x blind rivet studs RIFBOLT® STEEL M5 M5 dome head Grip range: 0.5 - 2.0 mm Item no.: 10880052010	150 blind rivet nuts and studs



VNG 255 in assortment box

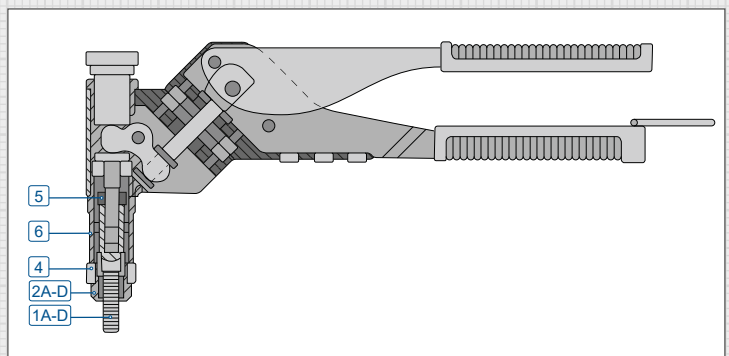
Product box of sturdy plastic with VNG 255 for blind rivet nuts and blind rivet studs, incl. 1x conversion kit each for M4/M5/M6 blind rivet nuts, 1x threaded sleeve each for RIFBOLT® M4/M5 blind rivet studs, 1x open-jaw wrench each for A/F 22 and A/F 24 and SW 6 Allen key

Item no. 310255000000

VNG 255 spare parts

No.	Item no.	Spare part
1A	311800000030	VNG 255 mandrel M3
1B	311800000040	VNG 255 mandrel M4
1C	311800000050	VNG 255 mandrel M5
1D	311800000060	VNG 255 mandrel M6
2A	311800000203	VNG 255 nose piece M3
2B	311800000204	VNG 255 nose piece M4
2C	311800000205	VNG 255 nose piece M5
2D	311800000206	VNG 255 nose piece M6
4	321801000074	VNG 255 lock nut M18x1
5	321801000075	VNG 255 lock nut M8x1
6	311255000020	VNG 255 front sleeve
3A*	321800001004	VNG 255 threaded sleeve M4
3B*	321800001005	VNG 255 threaded sleeve M5

* not illustrated



You can also use our interactive ProductViewer to quickly search for the correct spare part.



VNG 152

Manual riveting tool for blind rivet nuts and blind rivet studs
with hydraulics



M3	M4	M5	M6	M8	M10	M12
Aluminium						
Steel						
Stainless steel						



Steel						
-------	--	--	--	--	--	--



0.6 kg



with integrated hydraulics



Plastic case



290 x 195 x 54 mm



1 conversion kit each for M3, M4, M5, M6 and M8 for blind rivet nuts, M4, M5, M6 and M8 for RIFBOLT® bolts

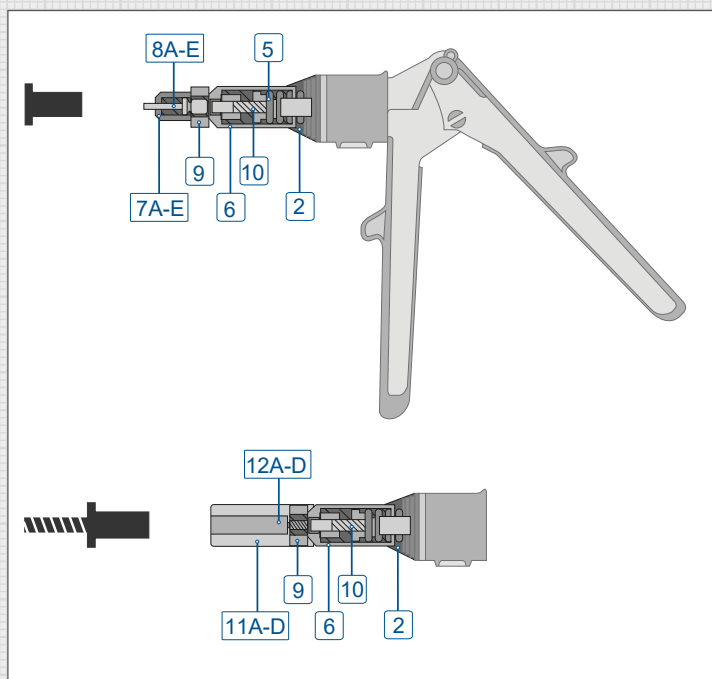
Item no. 310152000000

Hydraulically assisted setting
without great effort.



VNG 152 Spare Parts

No.	Item no.	Spare part
2	311151000009	VNG 152 housing cover
5	311151000010	VNG 152 pressure spring
6	311151000001	VNG 152 front sleeve
7A	311151002003	VNG 152 nose piece BNM M3
7B	311151002004	VNG 152 nose piece BNM M4
7C	311151002005	VNG 152 nose piece BNM M5
7D	311151002006	VNG 152 nose piece BNM M6
7E	311151002008	VNG 152 nose piece BNM M8
8A	311151003003	VNG 152 mandrel M3
8B	311151003004	VNG 152 mandrel M4
8C	311151003005	VNG 152 mandrel M5
8D	311151003006	VNG 152 mandrel M6
8E	311151003008	VNG 152 mandrel M8
9	311151000008	VNG 152 adapter for nose piece
10	311151000007	VNG 152 adapter for mandrel
11A	311151007004	VNG 152 nose piece Rifbolt M4
11B	311151007005	VNG 152 nose piece Rifbolt M5
11C	311151007006	VNG 152 nose piece Rifbolt M6
11D	311151007008	VNG 152 nose piece Rifbolt M8
12A	311151004004	VNG 152 threaded sleeve Rifbolt M4
12B	311151004005	VNG 152 threaded sleeve Rifbolt M5
12C	311151004006	VNG 152 threaded sleeve Rifbolt M6
12D	311151004008	VNG 152 threaded sleeve Rifbolt M8



You can also use our interactive ProductViewer to quickly search for the correct spare part.



Newly optimised version!

Smooth ratchet mechanism for blind rivet nuts up to M12



M3	M4	M5	M6	M8	M10	M12
		optional	Aluminium			
		optional	Steel			
		optional	Stainless steel			



		Steel				
--	--	-------	--	--	--	--

1.1 kg 325 x 250 x 50 mm

Case in aluminium look

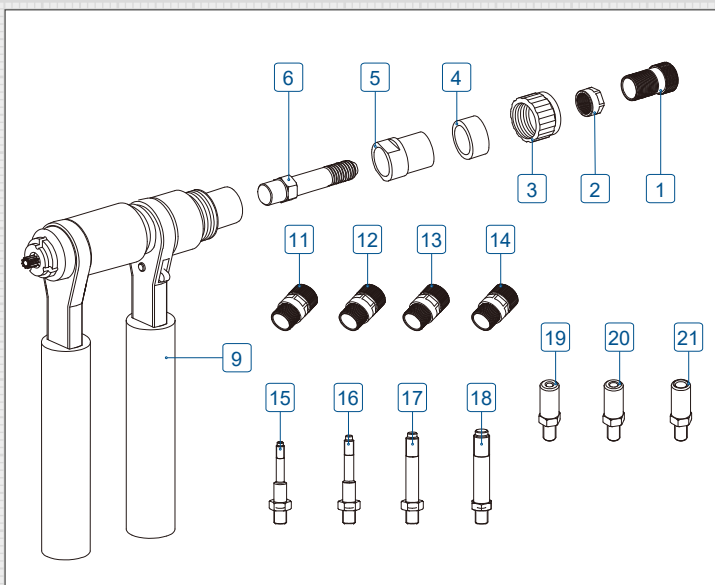
1 conversion kit each for M5 - M12 blind rivet nuts,
1 threaded sleeve each for RIFBOLT® blind rivet bolts M5 - M8

Item no. 310612000000



VNG 612N

VNG 612N Spare Parts



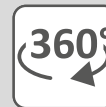
No.	Item no.	Spare part
2	311612000021-0-2	VNG 612N lock nut
3	311612000010-0-2	VNG 612N knurled nut
4	311612000018-0-2	VNG 612N rubber ring
5	311612000020-0-2	VNG 612N nosepiece holder
9	311612000016-0-2	VNG 612N black handle (2 pcs.)
11	311612000305-0-2	VNG 612N nosepiece M5
12	311612000306-0-2	VNG 612N nosepiece M6
13	311612000308-0-2	VNG 612N nosepiece M8
14	311612000310-0-2	VNG 612N nosepiece M10
1	311612000312-0-2	VNG 612N nosepiece M12
15	311612000050-0-2	VNG 612N mandrel M5
16	311612000060-0-2	VNG 612N mandrel M6
17	311612000080-0-2	VNG 612N mandrel M8
18	311612000100-0-2	VNG 612N mandrel M10
6	311612000120-0-2	VNG 612N mandrel M12
19	311612000205-0-2	VNG 612N threaded sleeve M5
20	311612000206-0-2	VNG 612N threaded sleeve M6
21	311612000210-0-2	VNG 612N threaded sleeve M8

You can also use our interactive ProductViewer to quickly search for the correct spare part.

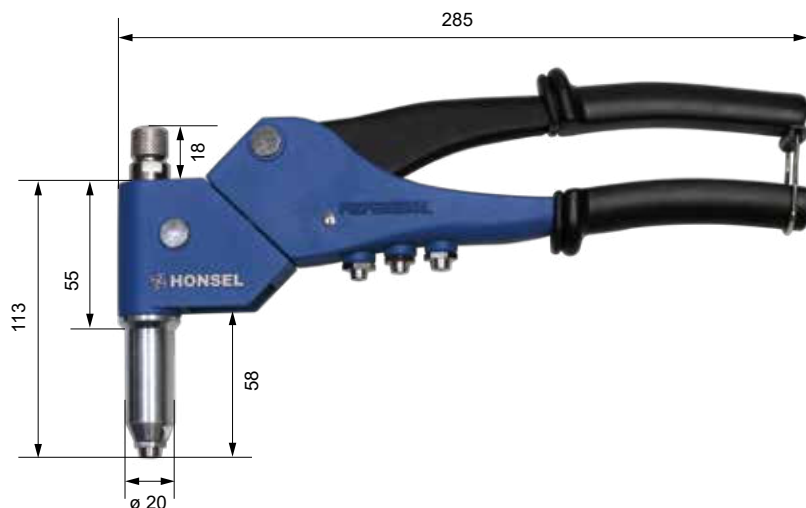


MULTI 1

Manual riveting tool for blind rivets, blind rivet nuts and blind rivet bolts
360° rotating head



MOVIE



2.4	3.0	3.2	4.0	4.8	5.0	6.0
Aluminium						
Steel						
Stainless steel						
Copper alloys						

M3	M4	M5	M6	M8	M10	M12
Aluminium						
Steel						

Steel						
-------	--	--	--	--	--	--



0.56 kg



360 x 185 x 50 mm



Plastic case



1x each nosepiece 2.4 mm; 3.0/3.2 mm; 4.0 mm; 4.8/5.0 mm for blind rivets
1x conversion kit each for M3, M4, M5 and M6 blind rivet nuts
1x threaded sleeve each for M4 and M5 for RIFBOLT® blind rivet bolts
1x open-jaw wrench each for W/F 17/19, WF 21/27 and W/F 5/8

Item no. 310100000000

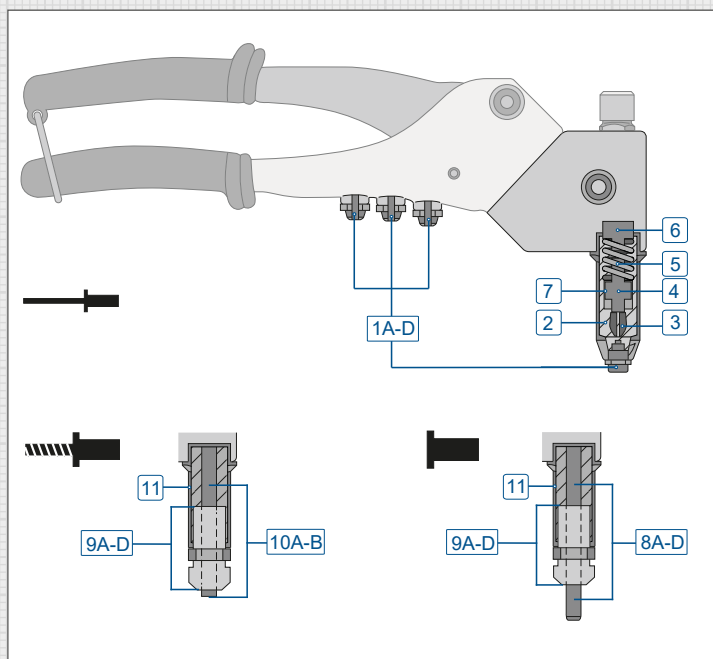


Steplessly pivotable through 360°



MULTI 1 Spare Parts

No.	Item no.	Spare part
1A	311100000240	MULTI 1 nose piece 2,4 mm
1B	311100000123	MULTI 1 nose piece 3,0/3,2 mm
1C	311100000124	MULTI 1 nose piece 4,0 mm
1D	311100000125	MULTI 1 nose piece 4,8/5,0 mm
2	311100000025	MULTI 1 clamping sleeve
3	311100000026	MULTI 1 clamping jaws
4	311100000021	MULTI 1 guide sleeve
5	311100000022	MULTI 1 pressure spring
6	311100000023	MULTI 1 clamping screw
7	311100000019	MULTI 1 front sleeve blind rivet
8A	311100003003	MULTI 1 mandrel M3
8B	311100003004	MULTI 1 mandrel M4
8C	311100003005	MULTI 1 mandrel M5
8D	311100003006	MULTI 1 mandrel M6
9A	311100002003	MULTI 1 nose piece M3
9B	311100002004	MULTI 1 nose piece M4
9C	311100002005	MULTI 1 nose piece M5
9D	311100002006	MULTI 1 nose piece M6
10A	311100004004	MULTI 1 threaded sleeve M4
10B	311100004005	MULTI 1 threaded sleeve M5
11	311100000119	MULTI 1 front sleeve blind rivet nut



INFO

You can also use our interactive ProductViewer to quickly search for the correct spare part.



MULTI 5

Manual riveting tool for blind rivets, blind rivet nuts and blind rivet bolts
Fold-away arms



3.0	3.2	4.0	4.8	5.0	6.0	6.4
Aluminium						
Steel						
Stainless steel						
Copper alloys						



M3	M4	M5	M6	M8	M10	M12
	Aluminium					
	Steel					



Steel						
-------	--	--	--	--	--	--



1.9 kg



385 x 240 x 55 mm



Plastic case



1x each nosepiece 3.0/3.2 mm; 4.0 mm; 4.8/5.0 mm; 6.0 mm; 6.4 mm for blind rivets
1x conversion kit each for M4 M5, M6, M8 and M10 blind rivet nuts
1x threaded sleeve each for M4, M5, M6 and M8 for RIFBOLT® blind rivet bolts

Item no. 310500000000

Available on request:

The **LARGE MULTI 5**
workshop assortment

with 225 blind rivets
825 blind rivet nuts
375 blind rivet bolts!



! Fold-away arms

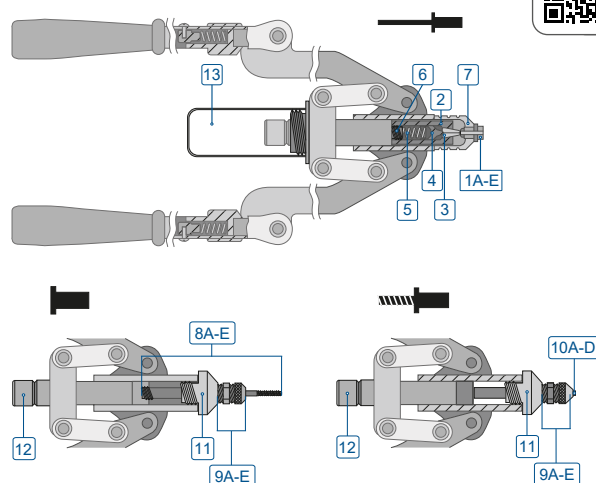
MULTI 5 Spare Parts

No.	Item no.	Spare part
1A	31110000123	MULTI 5 nose piece 3,0/3,2mm
1B	31110000124	MULTI 5 nose piece 4,0mm
1C	31110000125	MULTI 5 nose piece 4,8/5,0mm
1D	31150000126	MULTI 5 nose piece 6,0mm
1E	31150000127	MULTI 5 nose piece 6,4mm
2	31150000004	MULTI 5 clamping sleeve
3	31150000005	MULTI 5 clamping jaws
4	31150000006	MULTI 5 guide sleeve
5	31150000007	MULTI 5 pressure spring
6	31150000008	MULTI 5 clamping screw
7	31150000003	MULTI 5 front sleeve blind rivet
8A	311100003004	MULTI 5 mandrel M4
8B	311100003005	MULTI 5 mandrel M5
8C	311100003006	MULTI 5 mandrel M6
8D	311500003008	MULTI 5 mandrel M8
8E	311500003010	MULTI 5 mandrel M10
9A	311100002004	MULTI 5 nose piece M4
9B	311100002005	MULTI 5 nose piece M5
9C	311100002006	MULTI 5 nose piece M6
9D	311500002008	MULTI 5 nose piece M8
9E	311500002010	MULTI 5 nose piece M10

You can also use our interactive ProductViewer to quickly search for the correct spare part.



INFO



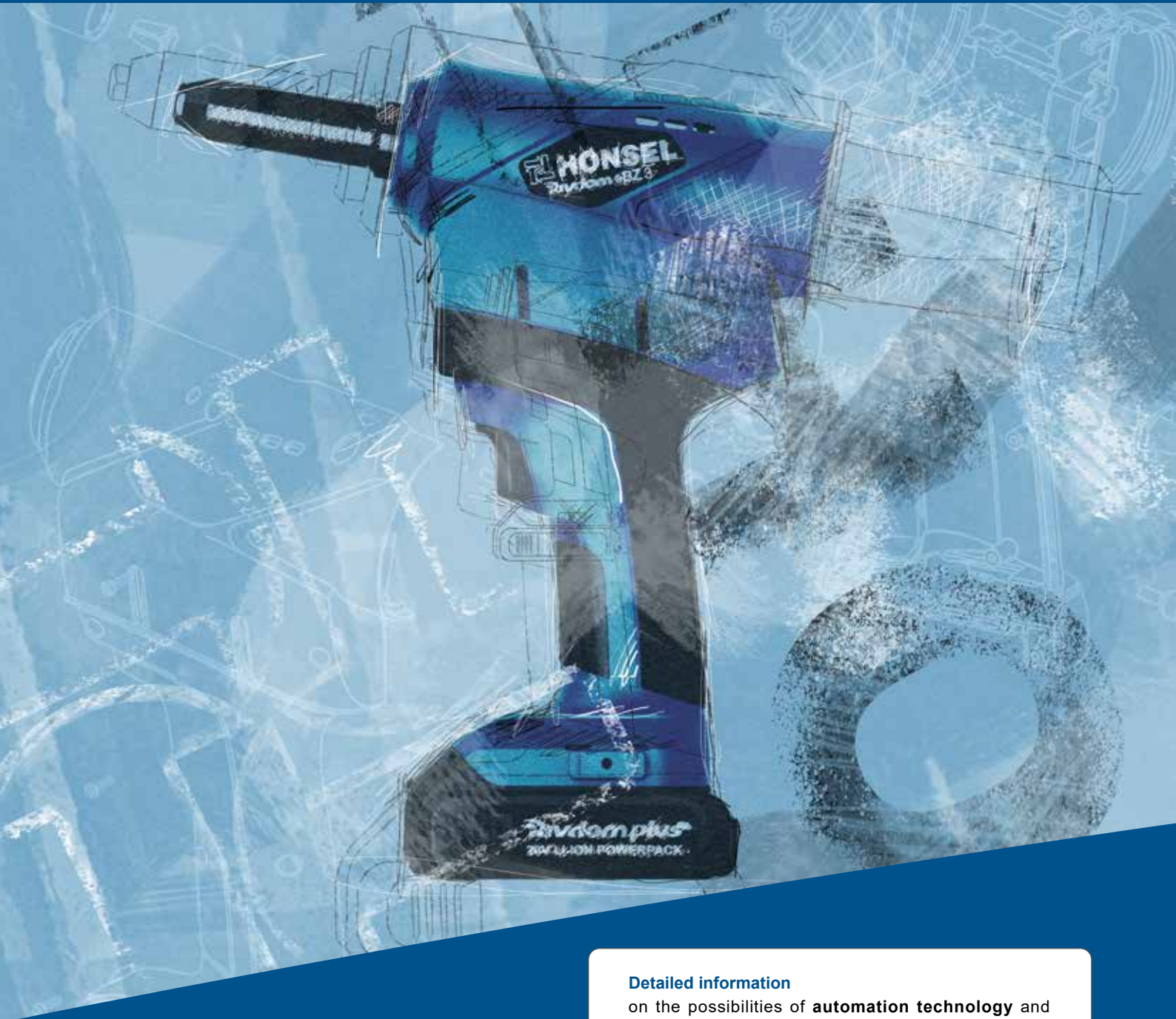
No.	Item no.	Spare part
10A	311100004004	MULTI 5 threaded sleeve M4
10B	311100004005	MULTI 5 threaded sleeve M5
10C	311100004006	MULTI 5 threaded sleeve M6
10D	311500004008	MULTI 5 threaded sleeve M8
11	311500000025	Multi 5 front sleeve
12	311500000009	Multi 5 feed rod
13	311500000010	MULTI 5 mandrel collector

HONSEL battery riveters

New tools. New colour. New names.

With the merger of the companies into the **HONSEL** Group, the familiar Rivdom and RivSmart battery riveters have not only been given a new look – the range has been completely restructured and expanded to include the **Rivdom eBZ1** for blind rivets up to 5.0 mm and the **Rivdom eVNG2** for blind rivet nuts and bolts.

The next generation.



Detailed information

on the possibilities of **automation technology** and **process monitoring** can be found in the catalogue for industrial and automotive solutions or on our website www.honsel.de.

HONSEL. Riveting expertise since 1930.

Over 10 years' experience in the development and manufacturing of modern battery riveting technology.

Rivdom eBZ ZERO Rivdom eBZ 1



Extremely lightweight.
For blind rivets up to 4.0 mm.

► on page 46



NEW
Second
half-year
2021

Compact and brushless.
The new standard for blind rivets up to 5.0 mm.

► on page 48

Rivsmart eBZ ZERO S



Small. Light. Smart.

The innovative tool with intelligent control and process monitoring.

► on page 50



Rivdom eBZ 2



Particularly powerful and efficient.

For blind rivets from 4.8 to 6.4 mm. Optimised for high-strength blind rivets!

► on page 50

Rivdom eBZ 3



Impressive. Perfected.

For high-strength blind rivets with grooved mandrel up to 8.0 mm diameter.

► on page 52

NEW
Second
quarter
of 2021



Rivdom eVNG 2

Uncompromisingly tough.

The ultimate solution for cordless setting of blind rivet nuts and bolts!

► on page 60

New names.

Rivdom is still Rivdom. RivSmart stays RivSmart.

In line with the designations of our BZ and VNG manual and pneumatic riveters, only the product names will be extended in the future – **eBZ** (blind rivets) or **eVNG** (blind rivet nuts/bolts).

So RivdomTWO 20V is now also called **Rivdom eBZ 2**.

Very simple. Very uniform. Very **HONSEL**.

RivdomONE

The basic model is still available unchanged ► page 54.



HONSEL battery riveters

Configuration details for ALL.

HONSEL battery riveters of the new **eBZ** and **eVNG** generation all come with a **wide range of features and functions**.

Look for the configuration details on the individual tools!
There you will also find the right **spare parts** and useful **accessories**.

Information on extended front sleeves and retention nosepieces can also be found on ► Seite 50. Further special nosepieces and accessories are also available from stock.

- Brushless, low-wear motors
- High-quality RivdomPLUS battery system
- Individual return setting
- LED light
- Rotary trigger
- Rubberised universal handle
- Belt clip + hanger bracket
- **HONSEL** L-Boxx
- Transparent mandrel collector
- Integrated mandrel holder



The latest motor technology

Brushless and wear-free.

Practically all **HONSEL** battery riveters* have modern brushless DC (BLDC) motors developed in-house. They guarantee a practically wear-free, very long life cycle. Low current consumption and reduced heat development increase the battery life and efficiency.

* not for RivdomONE



Sturdy and flexible.

The innovative system packaging solution.

The new **HONSEL** L-Boxx is also compatible with the L-Boxxes from other manufacturers.



Extended warranty. We are convinced of the quality of our **HONSEL** battery riveters. That is why we grant a **24-month manufacturer's warranty** on all current models. Just register on www.honsel.de.



Quick and easy. Retainer nosepieces available as options for all Rivdom and RivSmart battery riveters ensure that the rivet is securely held in the tool in any position before setting and that the mandrel is discharged **without tilting** after setting!

► page 50

ERGONOMY and COMFORT



Quick-release mechanism

No more than one open-jaw wrench for maintenance!



Outstanding ergonomics:

Rubberised universal handle for all hand sizes.
Perfect housing geometry.



Maximum comfort thanks to rotation trigger with very low trigger force/short trigger stroke.



Belt clip
(alternatively rivet application plate)



LED-illuminated riveting point

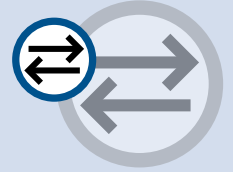


Integrated mandrel holder

Safety

Individual return mode setting*

When using **manual return mode**, the trigger has to remain pressed until the rivet is sheared. When the trigger is released, the tool moves back to the front starting position.



In addition, Rivdom and RivSmart eBZ tools offer an **automatic return mode**.

Here the trigger merely has to be pressed slightly to start the automatic setting process. Immediately after the drop in the measured force with the shearing of the rivet mandrel, the tool moves back **automatically** to the starting position to keep the **riveting cycle as short as possible**.

* not for RivdomONE

SELFPROTECTION

The specially developed software **provides reliable protection against overloading** during the setting process or when returning to the starting position and thus prolongs the service life of the tools.



Future-oriented battery management

The powerful **HONSEL** Li ion batteries are fully charged in **less than 30 minutes** – the **90 % charge is reached after only approx. 20 minutes** – so that the charging cycle is always shorter than the battery-consuming working time!

High-quality electronic quick-charger with **automatic identification of the battery used**. 12 V, 16 V and 20 V batteries from the Rivdom family can be charged using the same charger.

For industrial users we also have the **practical multiple charging station** with interchangeable adapter system – suitable for **RivdomPLUS** batteries. Adapters for other manufacturers' batteries on request.



State-of-charge indicator on every battery.



4.0 Ah battery available as an accessory!



Quick-charger



Robust, transparent mandrel collector
Various sizes available as options.



Plastic box for nosepieces



Hanger bracket for balancer



S



L



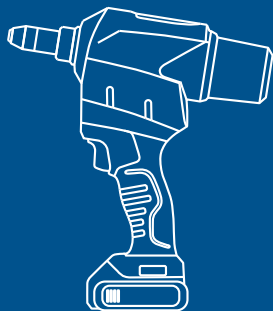
L+



XL+

RIVDOM® eBZ ZERO

Battery-powered setting tool for blind rivets



Optimised and specially designed for the world's most widely used blind rivet sizes up to 4.0 mm diameter.

**up to
4.0 mm**

In focus. **Maximum weight reduction** and **compact dimensions** thanks to the familiar RivSmart® housing.

The **outstanding ergonomics** and unrivalled light weight of only 1.3 kg guarantee the **highest level of comfort!**

Rivdom eBZ ZERO



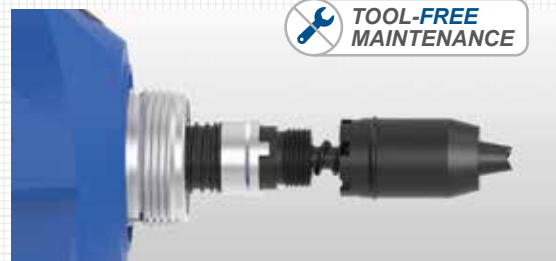
**Extremely
lightweight
ultra compact**

1,3 kg



Compact dimensions

Thanks to the removable transparent collecting bin, the tool can be further shortened for **unrivalled ease of handling** for even the most confined installation points.



**TOOL-FREE
MAINTENANCE**

Family facts on the **HONSEL** battery riveters on ► page 50.



	2.4	3.0	3.2	4.0	4.8	5.0	6.0	6.4	8.0
Aluminium									
Steel									
Stainless steel									
Copper alloys									



max. 3.4 mm



1.3 kg (incl. 2.0 Ah battery)



20 mm



6,800 N



< 30 min.



- 1x Rivdom eBZ ZERO battery riveter with brushless motor in **HONSEL L-Boxx®**
- 12V/2.0Ah Li ion battery with optical state-of-charge indicator (number depending on variant)
- 1x Rivdom-PLUS quick-charger
- 4x standard nosepieces in box
- 1x mandrel collector "S"
- 1x each belt clip, hanger bracket and cover cap

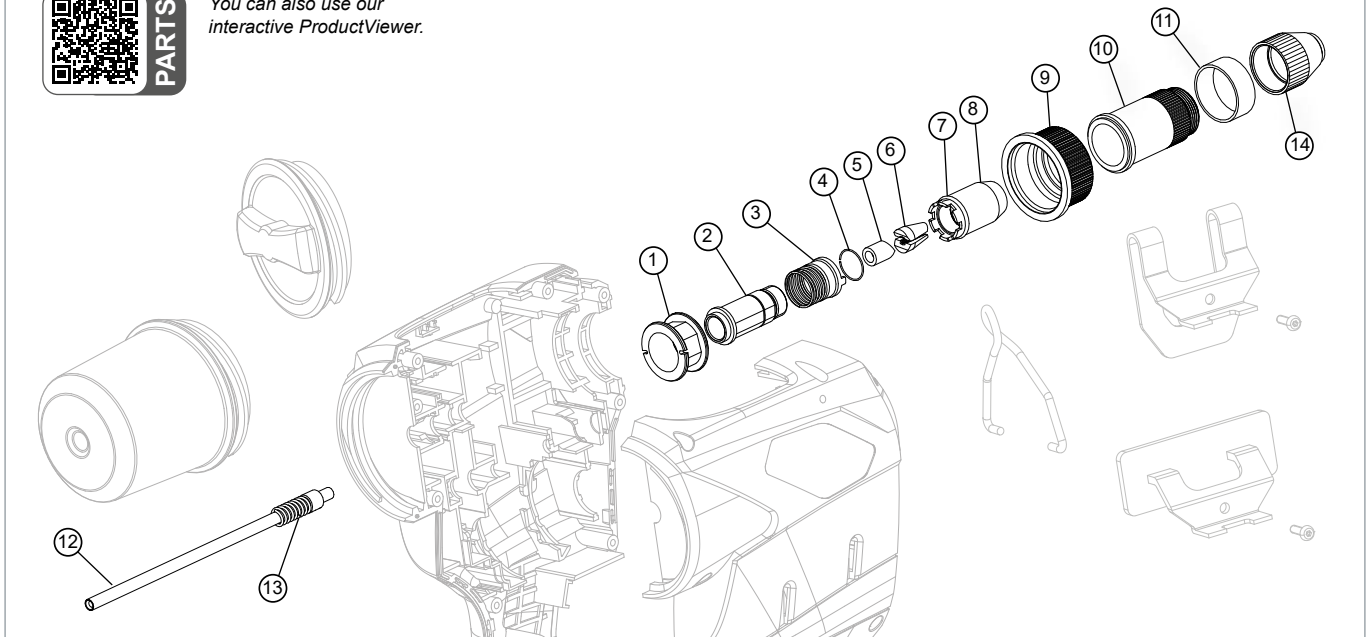
Item no. **320210000000-010-1** (1x battery 12V)

Item no. **320210000000-020-1** (2x battery 12V)





You can also use our
interactive ProductViewer.



Spare and wear parts

1	321200000020	Dummy-Sensorring
2	321200000054	Spacer
3	321200000055	Quick release ring + spring
4	321200000056	Quick release c-ring
5	321200000017	Guide sleeve (various Ø)
6	311002000132	Clamping jaws (1 set = 2 pcs.)
7	321200000010	Scraper
8	321200000016	Clamping sleeve with scraper
9	321200000018	Union ring (silver)
10	321200000015	Front sleeve
11	321200000019	Rubber for union ring
12	321200000049	Mandrel discharge tube (various Ø)
13	321200000014	Pressure spring for guide sleeve

Standard nosepieces

14	321200000121	Standard nosepiece 2.0 mm
	321200000122	Standard nosepiece 2.4 mm
	321200000123	Standard nosepiece 3.0/3.2 mm
	321200000124	Standard nosepiece 4.0 mm

Special nosepieces

For recessed riveting points

Extended nosepieces 7 mm



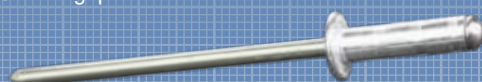
321200932070	Extended nosepiece (7 mm) 3.0/3.2 mm
321200940070	Extended nosepiece (7 mm) 4.0 mm

Extended nosepieces 20 mm



321200932200	Extended nosepiece (20 mm) 3.0/3.2 mm
321200940200	Extended nosepiece (20 mm) 4.0 mm

Suitable for e.g. OPTO® multigrip blind rivets with extended mandrel.



Accessories

321200000021	Li-Ion RivdomPLUS battery 12 V/2.0 Ah -scope of delivery-
321200000022	Li-Ion RivdomPLUS battery 12 V/4.0 Ah
321500000001	Universal quick charger 220 V for RivdomPLUS batteries (12 V/16 V/20 V) -scope of delivery-
321500000003	Multiple charging station
321500000004	Adapter multiple charging station for 1 x RivdomPLUS battery
321200000031	Mandrel container S (5.5 cm) -scope of delivery-
321300100031	Mandrel container L (8.0 cm)
321401000030	Mandrel container L+ (8.0 cm)
321501000030	Mandrel container XL++ (11.0 cm)
321200000018	Colored union ring (blue, gold, red, black)
321200000029	Hanger -scope of delivery-
321200000006	Belt clip -scope of delivery-
321200000005	Name plate -scope of delivery-
321401000004	Cover cap -scope of delivery-



Retainer nosepieces to securely hold the blind rivets before the setting process and...



...extended front sleeves can be found on page 50.



Special nosepieces can be produced at short notice for specific customer applications.

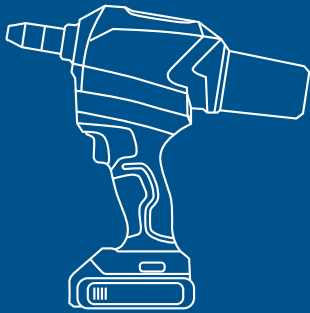
For 4.0 mm large dome head blind rivets



321200000416	Facade nosepiece head 16.0 mm
321200000424	Facade nosepiece head 24.0 mm

RIVDOM® eBZ 1

Battery-powered setting tool for blind rivets



Very compact design

+ low weight

+ a powerful, newly developed brushless motor

+ the optimised gearing

+ the familiar efficient 20 V -RivdomPLUS Li ion rechargeable battery are

the new key to optimum cordless blind riveting.

The new housing design is a further step towards perfect ergonomics

for **comfortable handling** even with the

most intensive use.

up to
5.0 mm

small + **powerful**
THE new standard tool
for blind rivets up to 5 mm

1,6 kg



Even more compact without collecting bin – reliable riveting even in confined installation situations



Wear-free.

Sturdy, innovative
BLDC motor for
maximum service
lives.

Rivdom eBZ 1

Tool-free
clamping mechanism

Optional:
Integration of
scanner systems



Powerful 20V
Li ion battery



Simple control



Effective cooling
system



Mandrel collector
with larger
volume

Family facts on the **HONSEL** battery riveters on ► page 50.



**TOOL-FREE
MAINTENANCE**



2.4	3.0	3.2	4.0	4.8	5.0	6.0	6.4	8.0
Aluminium								
Steel								
Stainless steel								
Copper alloys								



max. 3.5 mm



1.6 kg
(incl. 2.0 Ah battery)



25 mm



10,000 N



< 30 min.



- 1x Rivdom eBZ 1 battery riveter with brushless motor in **HONSEL** L-Boxx®
- 20V/2.0 Ah Li ion battery with optical state-of-charge indicator (number depending on variant)
- 1x Rivdom-PLUS quick-charger
- 4x standard nosepieces in box
- 1x mandrel collector "L"
- 1x each belt clip, hanger bracket and cover cap

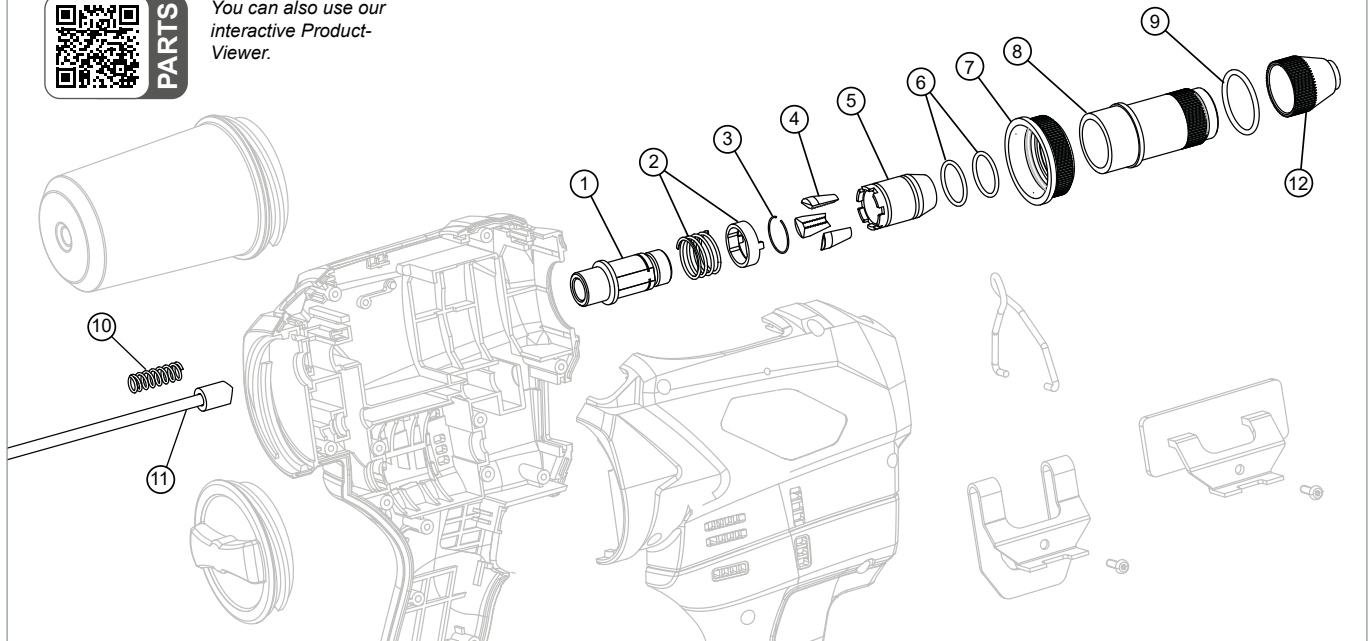
Item no. **32042000000-010-1** (1x battery 20V/2Ah)

Item no. **32042000000-020-1** (2x battery 20V/2Ah)





You can also use our interactive Product-Viewer.



Spare and wear parts

1	321420000054	Spacer
2	321420000055	Quick release ring + spring
3	321420000056	Quick release c-ring
4	321020000006	Clamping jaws (1 set = 3 pcs.)
5	321420000016	Clamping sleeve with scraper
6	321121000045	Scraper
7	321420000018	Union ring (silver)
8	321420000015	Front sleeve
9	321420000019	Rubber for union ring
10	321420000014	Pressure spring
11	321420000049	Mandrel discharge tube with guide sleeve

Standard nosepieces

12	321420000122	Standard nosepiece 2.4 mm
	321420000123	Standard nosepiece 3.0/3.2 mm
	321420000124	Standard nosepiece 4.0 mm
	321420000125	Standard-Mundstück 4.8/5.0 mm

Special nosepieces

For recessed riveting points

Extended nosepieces 20 mm
(7 mm available on request)

	321420924200	Extended nosepiece (20 mm) 2.4 mm
	321420932200	Extended nosepiece (20 mm) 3.0/3.2 mm
	321420940200	Extended nosepiece (20 mm) 4.0 mm
	321420950200	Extended nosepiece (20 mm) 4.8/5.0 mm

For 4.0 and 5.0 mm large dome head blind rivets

	321420000424	Façade nosepiece 4.0 mm to head 24 mm
	321420000524	Façade nosepiece 5.0 mm to head 24 mm

Accessories

321500000021	Li-Ion RivdomPLUS battery 20 V/2.0 Ah -scope of delivery-
321500000022	Li-Ion RivdomPLUS battery 20 V/4.0 Ah
321500000001	Universal quick charger 220 V for RivdomPLUS batteries (12 V/16 V/20 V) -scope of delivery-
321500000003	Multiple charging station
321500000004	Adapter multiple charging station for 1 x RivdomPLUS battery
321200000031	Mandrel container S (5.5 cm)
321300100031	Mandrel container L (8.0 cm) -scope of delivery-
321401000030	Mandrel container L+ (8.0 cm)
321501000030	Mandrel container XL++ (11.0 cm)
321200000018	Colored union ring (blue, gold, red, black)
321200000029	Hanger -scope of delivery-
321200000006	Belt clip -scope of delivery-
321200000005	Name plate -scope of delivery-
321401000004	Cover cap -scope of delivery-



Retainer nosepieces to securely hold the blind rivets before the setting process and...



...extended front sleeves can be found on page 50.



Special nosepieces can be produced at short notice for specific customer applications.

For FERRO® BOLT 4.8 mm high-strength blind rivets

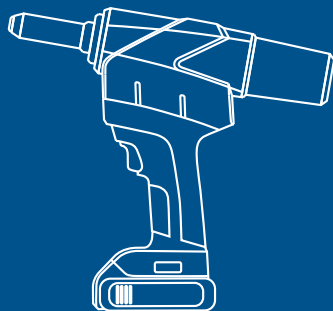
	321420008401	Nosepiece FERRO® BOLT 4.8 mm
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For 5.2 mm folding blind rivets

	321420716052	Folding rivet nosepiece 5.2 mm
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RIVDOM® eBZ 2

Battery-powered setting tool for blind rivets



up to
6.4 mm

The **setting force of 20,000 N** and the very large **stroke of 30 mm** enables not only standard blind rivets but also **high-strength versions** such as **HONSEL FERO® BULB** and **FERO® BOLT** (or comparable products) and folding blind rivets **up to 6.4 mm diameter** to be quickly and reliably set in one step. **Uncompromisingly powerful.**

Rivdom eBZ 2



The POWER pack



Wear parts can be changed practically without the use of tools.



The outstandingly balanced **housing** and a **trigger with a stroke of only 2 mm** guarantee a very high level of comfort during the day-to-day work.

Family facts on the **HONSEL** battery riveters on ► page 50.



2.4	3.0	3.2	4.0	4.8	5.0	6.0	6.4	8.0
			optional* Aluminium					
			optional* Steel					
			optional* Stainless steel					
			optional* Copper alloys					



max. 4.8 mm



2.0 kg
(incl. 2.0 Ah battery)



30 mm



20,000 N



< 30 min.



- 1x Rivdom eBZ 2 battery riveter with brushless motor in **HONSEL L-Boxx®**
- 20V/2.0 Ah Li ion battery with optical state-of-charge indicator (number depending on variant)
- 1x Rivdom-PLUS quick-charger
- 3x standard nosepieces in box
- 1x mandrel collector "L"
- 1x each belt clip, hanger bracket and cover cap

* Optional conversion kits for 4.0 - 6.4 mm blind rivets.

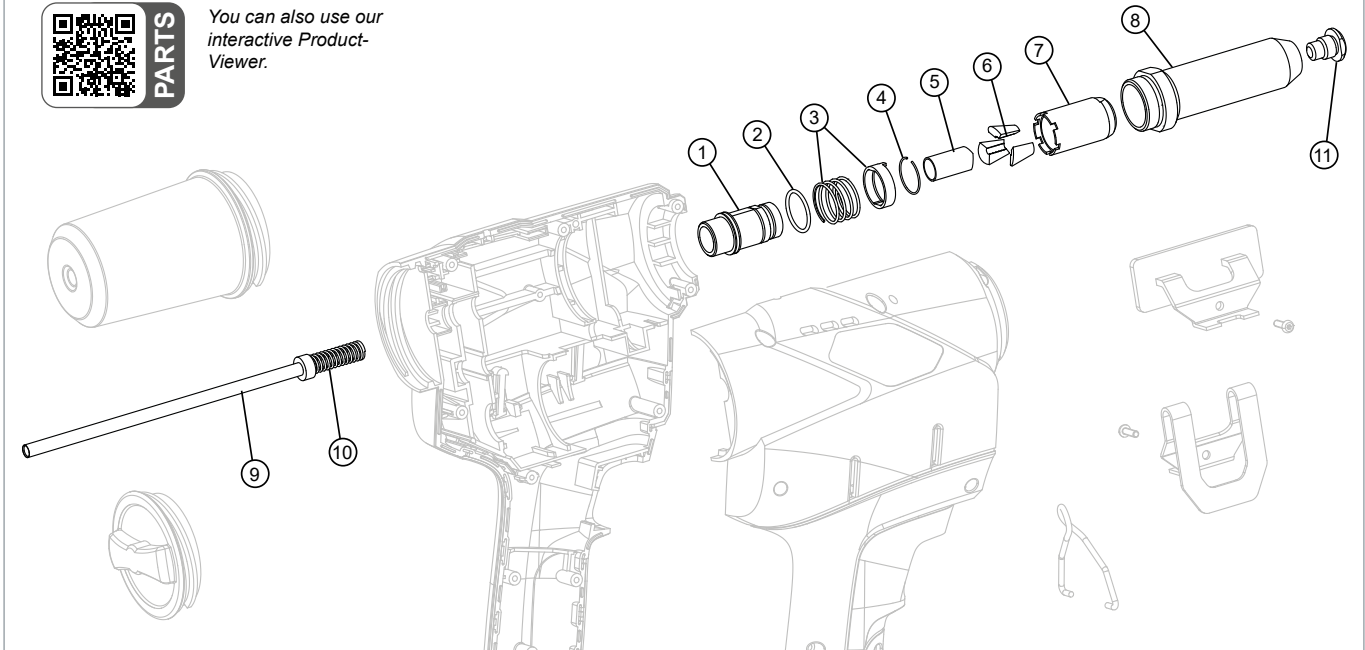
Item no. **320502000000-010-1** (1x battery 20V/2Ah)

Item no. **320502000000-020-1** (2x battery 20V/2Ah)





You can also use our interactive Product-Viewer.



Spare and wear parts

1	321300200054	Spacer with scraper
2	321101100017	Scraper for spacer
3	321502000055	Quick release ring + spring
4	321525000056	Quick release c-ring
5	321300200017	Guide sleeve (various Ø)
6	361122000020	Clamping jaws (1 set = 3 pcs.)
7	321502000016	Clamping sleeve 4.8 - 6.4 mm
8	321300200015	Front sleeve
9	321300200049	Mandrel discharge tube
10	321300200021	Pressure spring

Standard nosepieces

	321120000125	Standard nosepiece 4,8/5,0 mm
11	321120000126	Standard nosepiece 6,0 mm
	321120000127	Standard nosepiece 6,4 mm

Conversion kit (optional for blind rivets from 4.0 mm)

321502000018-1-1	Conversion kit* blind rivets 4,0 - 6,4 mm (Clamping sleeve and clamping jaws)
------------------	---

* Clamping sleeve and clamping jaws cannot be combined with the standard version (4,8 - 6,4 mm).

Accessories

321500000021	Li-Ion RivdomPLUS battery 20 V/2.0 Ah -scope of delivery-
321500000022	Li-Ion RivdomPLUS battery 20 V/4.0 Ah
321500000001	Universal quick charger 220 V for RivdomPLUS batteries (12 V/16 V/20 V) -scope of delivery-
321500000003	Multiple charging station
321500000004	Adapter multiple charging station for 1 x RivdomPLUS battery
321200100031	Mandrel container S (5.5 cm)
321300100031	Mandrel container L (8.0 cm) -scope of delivery-
321401000030	Mandrel container L+ (8.0 cm)
321501000030	Mandrel container XL++ (11.0 cm)
321401000029	Hanger -scope of delivery-
321200000006	Belt clip -scope of delivery-
321200000005	Name plate -scope of delivery-
321401000004	Cover cap -scope of delivery-



Retainer nosepieces to securely hold the blind rivets before the setting process and...



...extended front sleeves can be found on page 50.



Special nosepieces can be produced at short notice for specific customer applications.

Special nosepieces

For recessed riveting points

Extended nosepieces 7 mm



321123950070	Extended nosepiece (7 mm) 4.8/5.0 mm
321123960070	Extended nosepiece (7 mm) 6.0 mm
321123964070	Extended nosepiece (7 mm) 6.4 mm

Extended nosepieces 20 mm



321123950200	Extended nosepiece (20 mm) 4.8/5.0 mm
321123960200	Extended nosepiece (20 mm) 6.0 mm
321123964200	Extended nosepiece (20 mm) 6.4 mm

For 5.0 mm large dome head blind rivets



321120000511	Façade nosepiece head 11.0 mm
321120000514	Façade nosepiece head 14.0 mm
321120000516	Façade nosepiece head 16.0 mm

For FERRO® BOLT 4.8 mm high-strength blind rivets



321101008401	Nosepiece FERRO®-BOLT blind rivets 4.8 mm
361121008601	Nosepiece FERRO®-BOLT blind rivets 6.4 mm

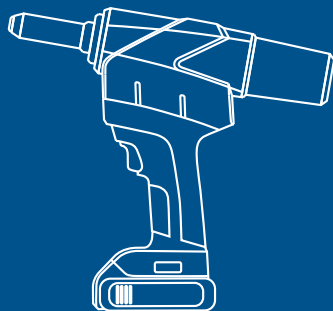
For 5.2 mm folding blind rivets



321123716052	Nosepiece for folding blind rivets 5.2 mm
321123716063	Nosepiece for folding blind rivets 6.3 mm

RIVDOM® eBZ 3

Battery-powered setting tool for blind rivets



The **HONSEL Rivdom eBZ 3** battery riveter was developed specially for the demands of the setting of high-strength blind rivets with 6.4 and 7.8 mm diameter with grooved rivet mandrel!

up to
7.8 mm

The clamping jaws specially designed for this geometry and a modified clamping mechanism **guarantee reliable and positive settings** of FERRO® BULB high-strength blind rivets (or comparable products) with a mandrel diameter from 3.8 to 6.15 mm. This also helps to minimise wear on the clamping jaws.

Rivdom eBZ 3



24,000 N!

MAXIMUM POWER
with cordless riveting



High-strength FERRO® BULB blind rivets with 7.8 mm diameter in use, for example, in truck production.



The **HONSEL RIVDOM eBZ 3** is supplied as standard with retention nosepieces.

Wear parts can be changed practically without the use of tools.

Family facts on the **HONSEL** battery riveters on ► page 50.



2.4	3.0	3.2	4.0	4.8	5.0	6.0	6.4	8.0
							Aluminium	
							Steel	
							Stainless steel	
							Copper	



max. 6.1 mm



2.1 kg
(incl. 2.0 Ah battery)



30 mm



24,000 N



< 30 min.



- 1x Rivdom eBZ 3 battery riveter with brushless motor in **HONSEL L-Boxx®**
- 20V/2.0 Ah Li ion battery with optical state-of-charge indicator (number depending on variant)
- 1x Rivdom-PLUS quick-charger
- 2x retention nosepieces in box
- 1x mandrel collector "L"
- 1x each belt clip, hanger bracket and cover cap

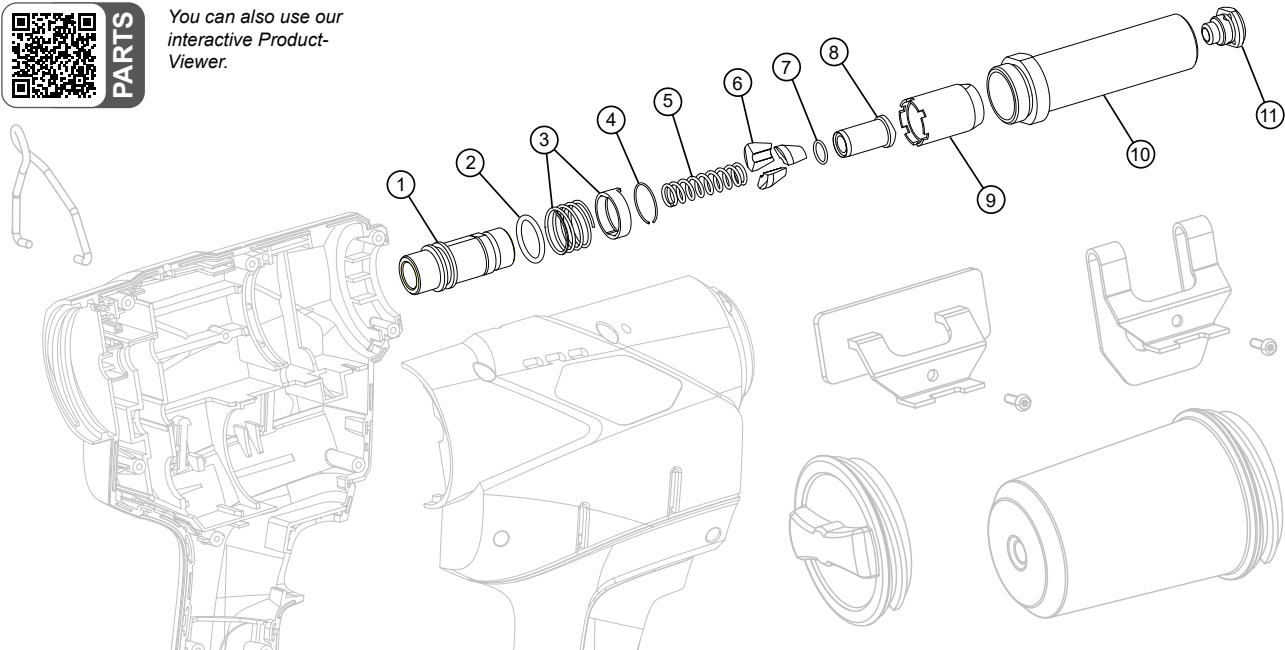
Item no. **320528000000-010-1** (1x battery 20V/2Ah)

Item no. **320528000000-020-1** (2x battery 20V/2Ah)





You can also use our
interactive Product-
Viewer.



Spare and wear parts

1	321528000054	Spacer mit Scraper
2	321528000010	Scraper für Spacer
3	321502000055	Quick release ring + spring
4	321528000056	Quick release c-ring
5	321528200021	Pressure spring
6	321528045080	Clamping jaws (1 set = 3 pcs.)
7	321102000050	O-Ring for guide sleeve
8	321528200017	Guide sleeve with O-Ring
9	321528040016	Clamping sleeve
10	321528200015	Front sleeve

Standard nosepieces

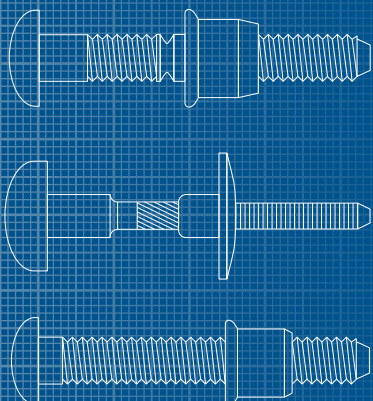
11	321528000066	Retention nosepiece 2.8 -6.4 mm-
	321528000067	Retention nosepiece 2.8 -7.8 mm-

Accessories

321500000021	Li-Ion RivdomPLUS battery 20 V/2.0 Ah -scope of delivery-
321500000022	Li-Ion RivdomPLUS battery 20 V/4.0 Ah
321500000001	Universal quick charger 220 V for RivdomPLUS batteries (12 V/16 V/20 V) -scope of delivery-
321500000003	Multiple charging station
321500000004	Adapter multiple charging station for 1 x RivdomPLUS battery
321300100031	Mandrel container L (8.0 cm) -scope of delivery-
321401000030	Mandrel container L+ (8.0 cm)
321501000030	Mandrel container XL+ (11.0 cm)
321401000029	Hanger -scope of delivery-
321200000006	Belt clip -scope of delivery-
321200000005	Name plate -scope of delivery-
321401000004	Cover cap -scope of delivery-



Special nosepieces can be produced at short notice
for specific customer applications.



Lockbolt pins

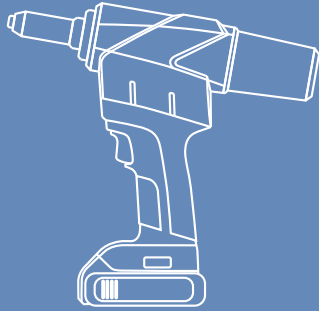
We offer reliable solutions for the setting of
a large number of these different two-piece
fastener elements in parts accessible from
both sides, such as the **Rivdom eBZ SF**.

Lockbolt pins are characterised by particular-
ly high tensile and pretensioning forces and
very large clamping ranges.



RIVDOM® ONE

Battery-powered setting tool for blind rivets



RivdomONE continues to impress.

Indispensable for the work of many users today, the RivdomONE is equipped with many of the features of the **HONSEL eBZ family**, such as high-quality Li ion rechargeable batteries with **RivdomPLUS charging technology**, the flexible **L-Boxx system** and a **powerful motor**.

The outstanding ergonomics and an **extremely short trigger stroke** allow quick and comfortable working.

up to
5.0 mm

RivdomONE



Family facts on the **HONSEL** battery riveters on ► page 50.

plus
Charging technology

L-BOXX



The popular **basic model**
Inexpensive. Reliable. Proven.



ALL IN ONE. THE VARIO NOSEPIECE

For quick and easy changing between the diameters 2.4 mm, 3.0/3.2 mm, 4.0 mm and 4.8/5.0 mm – **completely without tools** (special accessory)!



Item no. **321.300.100.071**



	2.4	3.0	3.2	4.0	4.8	5.0	6.0	6.4	8.0
Aluminium									
Steel									
Stainless steel									
Copper									



max. 3.4 mm



1.8 kg
(incl. 2.0 Ah battery)



21 mm



10,000 N



< 30 min.



- 1x RivdomONE battery riveter in **HONSEL L-Boxx**
- 16V/2.0 Ah Li ion battery with optical state-of-charge indicator (number depending on variant)
- 1x Rivdom-PLUS quick-charger
- 4x standard nosepieces in box
- 1x mandrel collector "L"
- 1x each belt clip, hanger bracket and cover cap

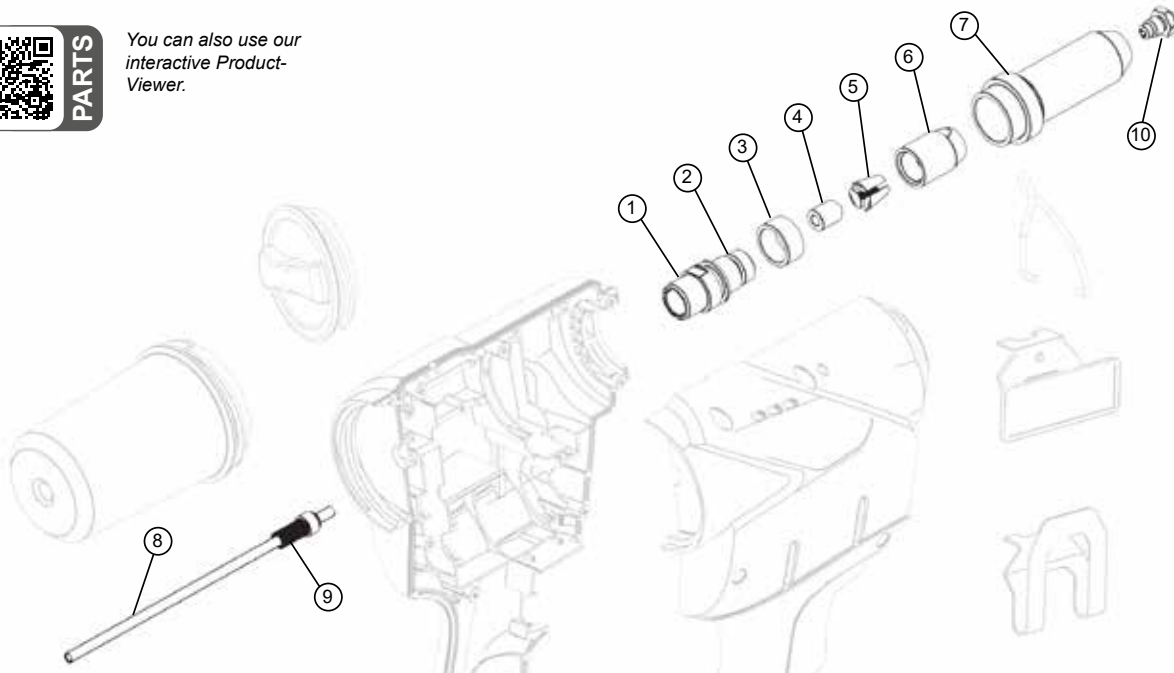
Item no. **320401000000-010-1** (1x battery 16V/2Ah)

Item no. **320401000000-020-1** (2x battery 16V/2Ah)





You can also use our interactive Product-Viewer.



Spare and wear parts

1	321300100054	Spacer
2	321300100010	Scraper
3	321300100069	Extension sleeve
4	321300100017	Guide sleeve (various Ø)
5	321020000006	Clamping jaws (1 set = 3 pcs.)
6	321300100016	Clamping sleeve
7	321300100015	Front sleeve
8	321300100049	Mandrel discharge tube with O-Ring (various Ø)
9	321300100021	Pressure spring

Standard nosepieces

10	321070000240	Standard nosepiece 2.4 mm
	321085000123	Standard nosepiece 3.0/3.2 mm
	321085000124	Standard nosepiece 4.0 mm
	321085000125	Standard nosepiece 4.8/5.0 mm

Accessories

321401000021	Li-Ion RivdomPLUS battery 16 V/2.0 Ah -scope of delivery-
321401000022	Li-Ion RivdomPLUS battery 16 V/4.0 Ah
321500000001	Universal quick charger 220 V for RivdomPLUS batteries (12 V/16 V/20 V) -scope of delivery-
321500000003	Multiple charging station
321500000004	Adapter multiple charging station for 1 x RivdomPLUS battery
321200100031	Mandrel container S (5.5 cm)
321300100031	Mandrel container L (8.0 cm) -scope of delivery-
321401000030	Mandrel container L+ (8.0 cm)
321501000030	Mandrel container XL+ (11.0 cm)
321401000029	Hanger -scope of delivery-
321200000006	Belt clip -scope of delivery-
321200000005	Name plate -scope of delivery-
321401000004	Cover cap -scope of delivery-



Retainer nosepieces to securely hold the blind rivets before the setting process and...



...extended front sleeves can be found on page 50.



Special nosepieces can be produced at short notice for specific customer applications.

Special nosepieces

For recessed riveting points

Extended nosepieces 7 mm



321103932070	Extended nosepiece (7 mm) 3.0/3.2 mm
321103940075	Extended nosepiece (7 mm) 4.0 mm
321103950070	Extended nosepiece (7 mm) 4.8/5.0 mm

Extended nosepieces 20 mm



321103932200	Extended nosepiece (20 mm) 3.0/3.2 mm
321103940200	Extended nosepiece (20 mm) 4.0 mm
321103950200	Extended nosepiece (20 mm) 4.8/5.0 mm

For 5.0 mm large dome head blind rivets



321085000511	Facade nosepiece 5.0 mm head 11.0 mm
321085000514	Facade nosepiece 5.0 mm head 14.0 mm
321085000516	Facade nosepiece 5.0 mm head 16.0 mm

For FERRO® BOLT 4.8 mm high-strength blind rivets



321101008401	Nosepiece FERRO®-BOLT blind rivets 4.8 mm
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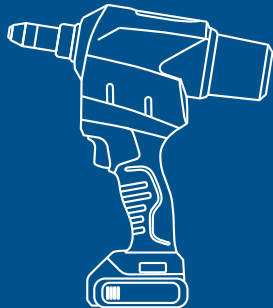
For 5.2 mm folding blind rivets



321103716052	Nosepiece for folding blind rivets 5.2 mm
--------------	---

RIVSMART® eBZ ZERO S

Cordless setting tool for blind rivets with process monitoring



Rivdom is smart. RivSmart.

Very small, very light and in touch with the world.

With RivSmart you can now take the first step towards blind rivet processing of tomorrow – on the basis of decades of experience in the development of high-quality riveting tools and customised riveting automation technology.

RivSmart can be easily integrated into our production processes, and with its documentation capabilities helps to optimise and monitor production.

up to
4.0 mm

Rivsmart eBZ ZERO S



↑ NEXT LEVEL
RIVETING

Family facts on the **HONSEL** battery riveters on ► page 50.



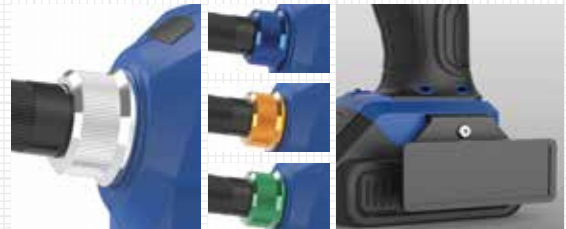
Details on tool-free maintenance
on ► page 46.

1.3 kg Small. Light. Smart.
Industry 4.0 ready



Compact dimensions.

Thanks to the removable transparent collecting bin, the tool can be further shortened for **unrivalled ease of handling** for even the most confined installation points. In combination with the very low **weight of only 1.3 kg**, it is unrivalled when it comes to comfortable working!



Colour coding of the union nuts for identification of the application, workplace or employee, and a plate for marking the rivet application that can be attached like a belt clip are available as accessories.



	2.4	3.0	3.2	4.0	4.8	5.0	6.0	6.4	8.0
Aluminium									
Steel									
Stainless steel									
Copper alloys									



max. 3.4 mm



1.3 kg
(incl. 2.0 Ah battery)



20 mm



6,800 N



< 30 min.

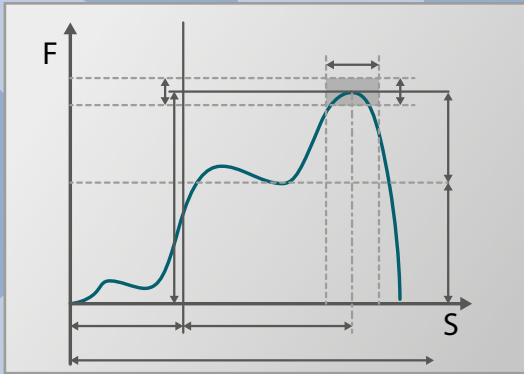


- 1x RivSmart eBZ ZERO S battery riveter with brushless motor in **HONSEL L-Boxx®**
- 12V/2.0Ah Li ion battery with optical state-of-charge indicator (number depending on variant)
- 1x Rivdom-PLUS quick-charger
- 4x standard nosepieces in box
- 1x mandrel collector "S"
- 1x each belt clip, hanger bracket, cover cap and rivet application plate

Item no. **32020000000-010-1** (1x battery 12V/2Ah)

Item no. **32020000000-020-1** (2x battery 12V/2Ah)





Documented process monitoring

RivSmart is equipped with the **DMSD-lite process monitoring system** even in the standard version. Serious errors can already be detected here and the number of set fasteners counted.

Documentation takes the form of a process stamp containing information such as tool number, time stamp, number, error codes, and various stroke and force measurements in text format in separate process windows.

Integration of the latest **DMSD 2G** process monitoring system with PLC interface directly into your corporate network is also possible as an option.

RivSmart can do more.

Intelligent controller

In addition to its outstanding riveting properties, the RivSmart eBZ ZERO S is prepared for integration into an increasingly networked production environment

- Mobile control via Android or IOS app
- Service functions:
Information on clamping jaw change, service intervals, emptying of mandrel collector, job counter, live statistics
- Many basic functions:
Countdown, various counters, statistics, signal tones

App-controlled
WiFi-connected



- OLED display (1.5") with 5 buttons
- Management of several devices
- Wifi connectivity with radio frequencies 2.4 and 5 GHz
- Individual interface programming possible



Included in the scope of supply:
SD card as **internal memory** for reading out the documented data of the process stamp, even without permanent WiFi connection.



Rivsmart DMSD2G



Detailed information on the possibilities offered by **automation technology** and **process monitoring** can be found in the relevant separate documents or on our website, www.honsel.de.

Rivsmart PLConnect

Link your RivSmart to your production environment and thus combine the possibilities of your PLC with the intelligence and connectivity of RivSmart. Based on industry standards, the system is highly flexible and modular.

HONSEL tools. Made by professionals for professionals

We have been developing and producing processing tools for blind rivet products within the **HONSEL** Group for decades.

This experience and the passion to provide the user with innovative solutions to the demands of day-to-day work goes far beyond the product alone.

The **VIP service** for registered RivSmart users. Download the RivSmart app and register within 30 days of purchase!

Your benefits:



Extension of the manufacturer's warranty to three years!



Our experienced experts are at your disposal with **exclusive professional support** free of charge on the RivSmart hotline.



Free-of-charge pick-up and return service for maintenance and repair.



Free exchange tools and shorter lead times.



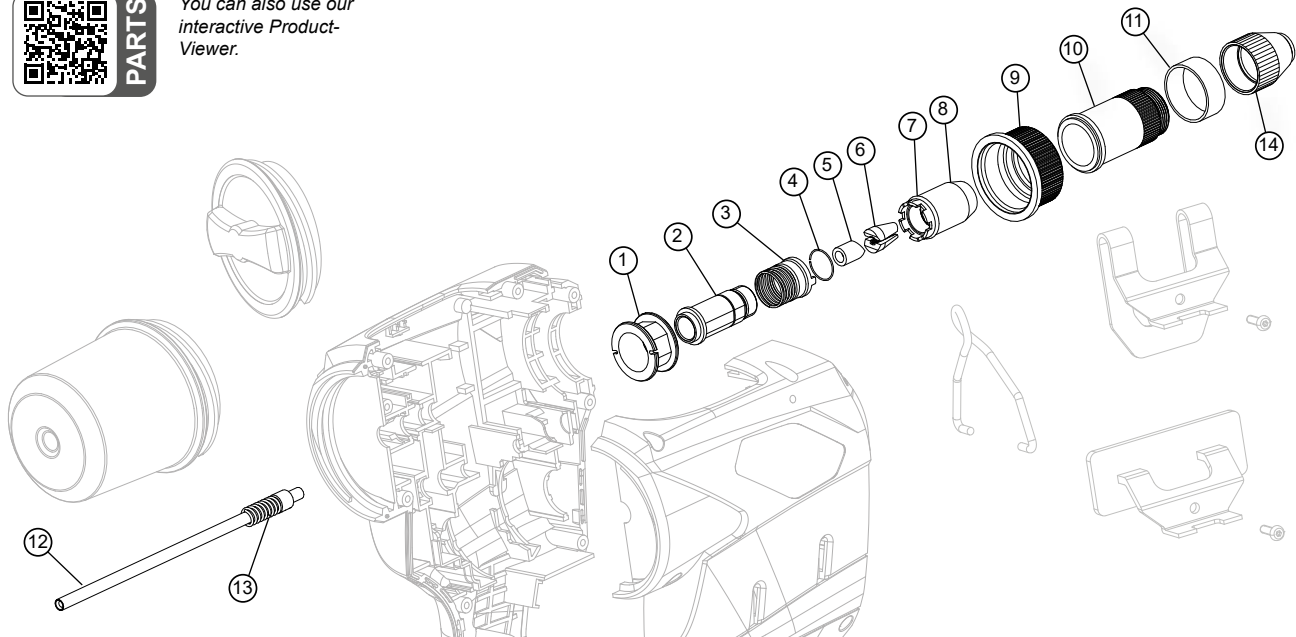
Regular software updates free of charge.





PARTS

You can also use our interactive Product-Viewer.



Spare and wear parts

1	321200000020	Dummy-Sensorring
2	321200000054	Spacer
3	321200000055	Quick release ring + spring
4	321200000056	Quick release c-ring
5	321200000017	Guide sleeve (various Ø)
6	311002000132	Clamping jaws (1 set = 2 pcs.)
7	321200000010	Scraper
8	321200000016	Clamping sleeve with scraper
9	321200000018	Union ring (silver)
10	321200000015	Front sleeve
11	321200000019	Rubber for union ring
12	321200000049	Mandrel discharge tube (various Ø)
13	321200000014	Pressure spring für Guide sleeve

Standard nosepieces

14	321200000121	Standard nosepiece 2.0 mm
	321200000122	Standard nosepiece 2.4 mm
	321200000123	Standard nosepiece 3.0/3.2 mm
	321200000124	Standard nosepiece 4.0 mm

Accessories

321200000021	Li-Ion RivdomPLUS battery 12 V / <u>2.0 Ah</u> -scope of delivery-
321200000022	Li-Ion RivdomPLUS battery 12 V / <u>4.0 Ah</u>
321500000001	Universal quick charger 220 V for RivdomPLUS batteries (12 V/16 V/20 V) -scope of delivery-
321500000003	Multiple charging station
321500000004	Adapter multiple charging station for 1 x RivdomPLUS battery
321200000031	Mandrel container S (5.5 cm) -scope of delivery-
321300100031	Mandrel container L (8.0 cm)
321401000030	Mandrel container L+ (8.0 cm)
321501000030	Mandrel container XL+ (11.0 cm)
321200000018	Colored union ring (blue, gold, red, black)
321200000029	Hanger -scope of delivery-
321200000006	Belt clip -scope of delivery-
321200000005	Name plate -scope of delivery-
321401000004	Cover cap -scope of delivery-

Special nosepieces

For recessed riveting points

Extended nosepieces 7 mm



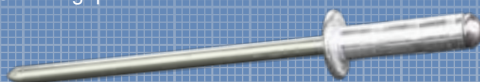
321200932070	Extended nosepiece (7 mm) 3.0/3.2 mm
321200940070	Extended nosepiece (7 mm) 4.0 mm

Extended nosepieces 20 mm



321200932200	Extended nosepiece (20 mm) 3.0/3.2 mm
321200940200	Extended nosepiece (20 mm) 4.0 mm

Suitable for e.g. OPTO® multigrip blind rivets with extended mandrel.



Retainer nosepieces to securely hold the blind rivets before the setting process and...



...extended front sleeves can be found on page 50.



Special nosepieces can be produced at short notice for specific customer applications.

For 4.0 mm large dome head blind rivets



321200000416	Facade nosepiece head 16.0 mm
321200000424	Facade nosepiece head 24.0 mm

BATTERY RIVETER ACCESSORIES

Extended front sleeves/retention nosepieces



Retainer nosepieces available as options ensure that the rivet **cannot fall out of the tool** so that one hand remains free, e.g. to hold the part.

Furthermore, the pretension of the retention nosepiece ensures that sheared rivet mandrels are “automatically” pushed into the collecting bin by the following mandrel – **tilting of the tool is therefore not necessary** and the **riveting process is accelerated**.



Rivdom eBZ ZERO / RivSmart eBZ ZERO S	321200000132	Retention nosepiece 2.4 mm
	321200000134	Retention nosepiece 3.0/3.2 mm
	321200000136	Retention nosepiece 4.0 mm

Rivdom eBZ 1	321420000132	Retention nosepiece 2.4 mm
	321420000134	Retention nosepiece 3.0/3.2 mm
	321420000136	Retention nosepiece 4.0 mm
	321420000138	Retention nosepiece 4.8/5.0 mm

Rivdom ONE	321401000132	Retention nosepiece 2.4 mm
	321401000134	Retention nosepiece 3.0/3.2 mm
	321401000136	Retention nosepiece 4.0 mm
	321401000138	Retention nosepiece 4.8/5.0 mm

321200924070-01-1	Extended retention nosepiece (7mm) 2.4 mm
321200932070-01-1	Extended retention nosepiece (7mm) 3.0/3.2 mm
321200940070-01-1	Extended retention nosepiece (7mm) 4.0 mm

321420924070-01-1	Extended retention nosepiece (7mm) 2.4 mm
321420932070-01-1	Extended retention nosepiece (7mm) 3.0/3.2 mm
321420940070-01-1	Extended retention nosepiece (7mm) 4.0 mm
321420950070-01-1	Extended retention nosepiece (7mm) 4.8/5.0 mm

Rivdom eBZ 2	321501000134	Retention nosepiece 4.8/5.0 mm
	321501000136	Retention nosepiece 6.0 mm
	321501000138	Retention nosepiece 6.4 mm

Rivdom eBZ 3	321528000066	Retention nosepiece 6.4 mm
	321528000067	Retention nosepiece 7.8 mm

Guide sleeves or mandrel discharge tubes for all mandrel diameters are available for all our tools.
Just contact our sales team.



Drill holes are often so deep in parts that even extended nosepieces are not sufficient to reach them.

For these applications, **extended front sleeves** with correspondingly modified clamping mechanisms are available for most **HONSEL** battery riveters.

As with the standard sleeves, these are very narrow with **only 21 mm diameter** so that drill holes can be reached even in confined installation situations.



Rivdom eBZ ZERO	321200000072	Extended front sleeve 80 mm (modular max. 2x combinable)
Rivdom eBZ 1	321420000072	Extended front sleeve 80 mm (modular max. 2x combinable)
Rivdom eBZ 2	321300200072	Extended front sleeve 210 mm
RivdomONE	321300100072	Extended front sleeve 165 mm for blind rivets 4.0 mm diameter
RivSmart eBZ ZERO S	321200000072	Extended front sleeve 80 mm (modular max. 2x combinable)





Rivdom eVNG 2

**Mobile, flexible
and unrestricted
processing of
BLIND RIVET NUTS
up to M12?**

**The reliable, simple and
modern solution is now
Rivdom eVNG 2!**

NEW
Second
quarter
of 2021

Rivdom eVNG 2
combines decades of
experience in the industrial
setting of blind rivet nuts with
today's proven technology of
HONSEL battery riveters.

Rivdom
Made by HONSEL.



Optional integrated
scanner (2021)



Lean housing form –
only 71 mm wide!



Comfort control



Rivdom eVNG 2 can store settings for **up to 99 different blind rivet nuts** and call these up within seconds.

Extra slim front sleeve - only 25mm

Programmable unscrewing speed.

Automatic setting of the nosepiece.

Threaded mandrel with new quick-release mechanism.

Emergency Mode

Quick-start function thanks to multi-function trigger.

All-hand soft grip – ideal for all hand sizes.

1.5" OLED control display with 5 buttons well known from the RivSmart battery riveter

SD card scanner

Various counters, Service and blocking functions

Additional status LED

Force or stroke control!
Depending on the fastener to be set and the application, the **Rivdom eVNG 2** can be operated with either force or stroke control via the menu of the control display.

For blind rivet nuts and studs with left and right-hand thread!

Rivdom eVNG 2 has a **patented gearbox** with two independently operated BLDC motors. This allows the system to be variably switched on and off during the return stroke.

RivdomPLUS 20V Li ion rechargeable battery with state-of-charge indicator.

Belt clip or application plate

Proven ergonomics, short trigger stroke, RivdomPLUS charging technology

Also for the setting of blind rivet studs from M4 to M8

Screwing on is performed by pushing the blind rivet nut onto the threaded mandrel or by pressing the trigger with which the speed can also be variably controlled.

Arrange a demonstration visit to your dealer or with our technical sales advisor in the nationwide team. We will impress you with the **Rivdom eVNG 2**.

RIVDOM® eVNG 2

Battery-powered setting tool for blind rivet nuts and bolts



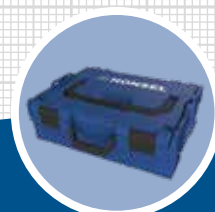
NEW
Second
quarter
of 2021

Rivdom eVNG 2 gets to grips. **Uncompromising.**

The new **HONSEL** battery riveter now offers the ultimate solution for cordless settings of blind rivets nuts and bolts. Oriented to the demands of industrial series production, Rivdom eVNG 2 offers a wide range of use features and options.

Innovative. Sturdy and reliable.

M3 - M12



**Innovative motor
technology**

**Safe transport
in the L-Boxx
system**

Family facts on the **HONSEL** battery riveters on ► page 50.

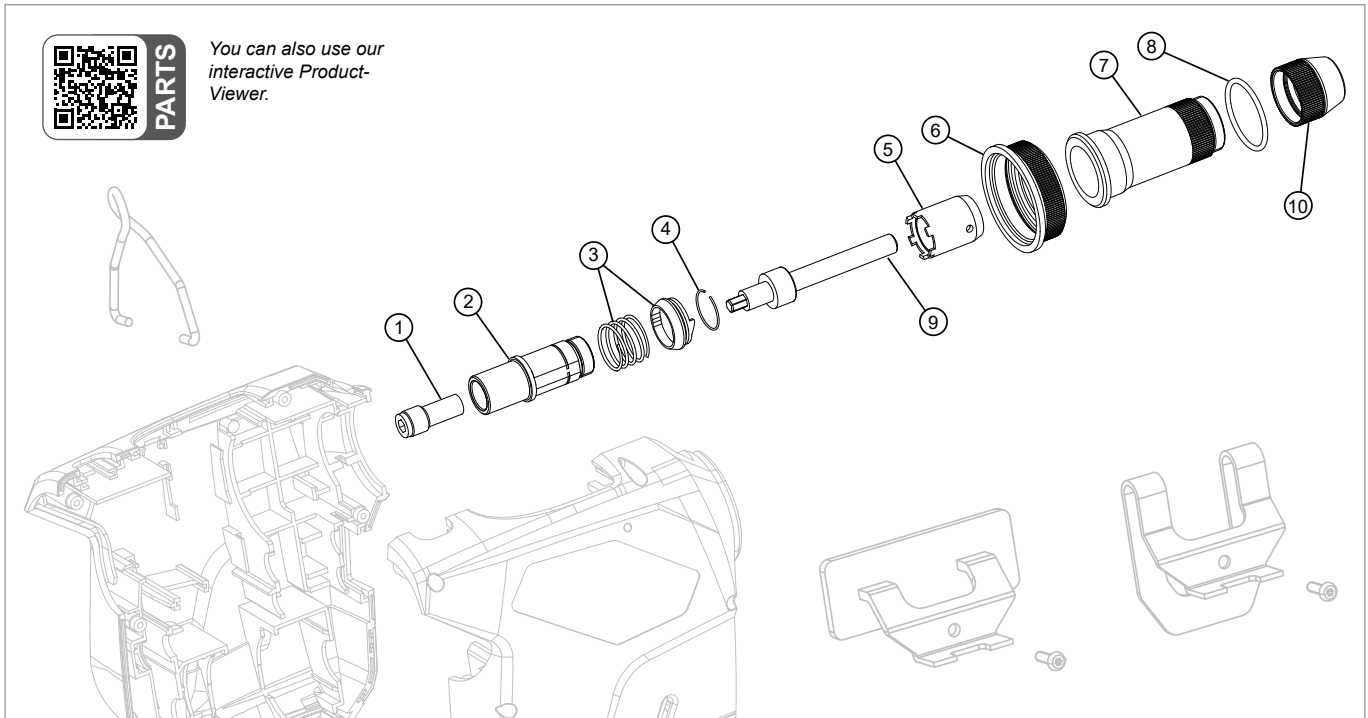


	M3	M4	M5	M6	M8	M10	M12
optional		Aluminium					optional
optional		Steel					optional
optional		Stainless steel					optional
		Steel					
kg	2.4 kg						
min	< 30 min.						
HUB	20 mm						
	Screwing on / off variable						
<ul style="list-style-type: none"> • 1x Rivdom eVNG 2 battery riveter in HONSEL L-Boxx® • 20V/2.0 Ah Li ion battery with optical state-of-charge indicator (number depending on variant) • 1x Rivdom-PLUS quick-charger • 5x blind rivet nut conversion kit • 1x each belt clip, hanger bracket and rivet application plate 							
Item no. 320620000000-010-1 (1x battery 20V/2Ah)							
Item no. 320620000000-020-1 (2x battery 20V/2Ah)							





You can also use our interactive Product-Viewer.



Spare and wear parts

1	321620000053	Pull spindle adapter
2	321620000054	Spacer
3	321620000055	Quick release ring + spring
4	321620000056	Quick release c-ring
5	321620000016	Clamping sleeve
6	321620000018	Union ring
7	321620000015	Front sleeve (with O-Ring)
8	321620000019	Rubber for union ring

Nosepieces

10	321620001203	Nosepiece M3
	321620001204	Nosepiece M4 -scope of delivery-
	321620001205	Nosepiece M5 -scope of delivery-
	321620001206	Nosepiece M6 -scope of delivery-
	321620001208	Nosepiece M8 -scope of delivery-
	321620001210	Nosepiece M10 -scope of delivery-
	321620001212	Nosepiece M12

Threaded mandrels/sleeves

9	321620001003	Mandrel M3
	321620001004	Mandrel M4 -scope of delivery-
	321620001005	Mandrel M5 -scope of delivery-
	321620001006	Mandrel M6 -scope of delivery-
	321620001008	Mandrel M8 -scope of delivery-
	321620001010	Mandrel M10 -scope of delivery-
	321620001012	Mandrel M12

no fig.	321620001104	Threaded sleeve M4
	321620001105	Threaded sleeve M5
	321620001106	Threaded sleeve M6
	321620001108	Threaded sleeve M8

Special accessories. Nothing unusual for HONSEL.

We tailor our tools individually to your application and adapt the necessary accessories accordingly.

With these application solutions, we reduce costs and optimise the setting result.

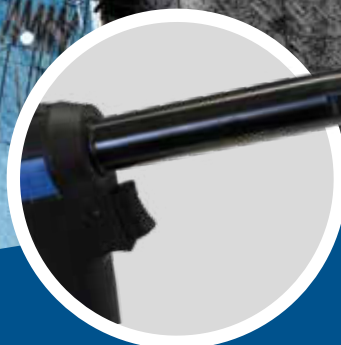
Our customers appreciate **HONSEL** particularly for this service. **Easily defined. Often in stock. Quickly produced.**

As with all **HONSEL** battery and pneumatic riveting tools, this naturally also applies to the new Rivdom eVNG 2!

Ask us about threaded mandrels with coarse, fine or UNC/UNF thread as well as extended nosepieces and threaded mandrels.



HONSEL Classics. Professional hydraulic and pneumatic tools



Decades of experience and **continuous optimisation and further development** make the successful **HONSEL** tools from the BZ and VNG Series your reliable partners in industrial series production as well as in workshops and trade applications.

A **sturdy design** and **complete equipment** with all the necessary conversion parts and an **extensive range of accessories** and add-ons, such as axial versions or angular rivet heads leave nothing to be desired.

For special applications we develop and produce custom solutions – Made in Germany – to meet your needs.

Fast. Flexible. Individual.



HONSEL BZ 221A

In a special version for the production of a wide range of different cable drums.

Detailed information on the possibilities offered by **automation technology** and **process monitoring** can be requested separately.



NEW! All pneumatic tools from 2021 in the **HONSEL L-Boxx®**



High-quality, durable plastic housing.



Multiple compressed air connections to ensure the right working position for right-handed and left-handed users at all times.



Integrated hanger bracket for working with balancer.



Individual setting possibilities for the extractor.



Very t standard noepieces for optimum setting.



Cover cap for reliable blind rivet setting without collecting bin.

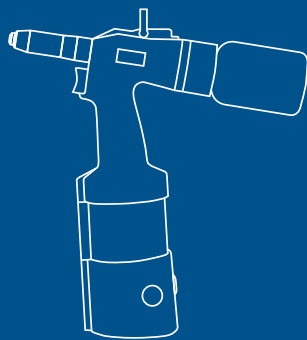


Large, sturdy collecting bottle for sheared blind rivet mandrels.

BZ 103A

Setting tool for blind rivets

Pneumatic-hydraulic | with permanent and intermittent extraction



The **HONSEL BZ 103A** has been one of the most popular standard tools for reliable blind riveting up to 5 mm rivet diameter for years.

Users particularly appreciate the very **fast setting process** and the **outstanding ergonomics**, as well as the **low air consumption** and **reduced noise level**.

As with all **HONSEL** tools, it is supplied **complete with all the necessary conversion parts**. Extraction of the rivet mandrel can be **individually and precisely adjusted** to suit the particular application.

We will be happy to advise you on custom solutions tailored to your specific application.

Reliable, robust, proven ten thousand times.



The air current holds the blind rivet securely in the nosepiece in any position before setting – one hand remains free to position the part.



Flat standard nosepieces with reduced dog point improve the setting behaviour and make the work process faster.

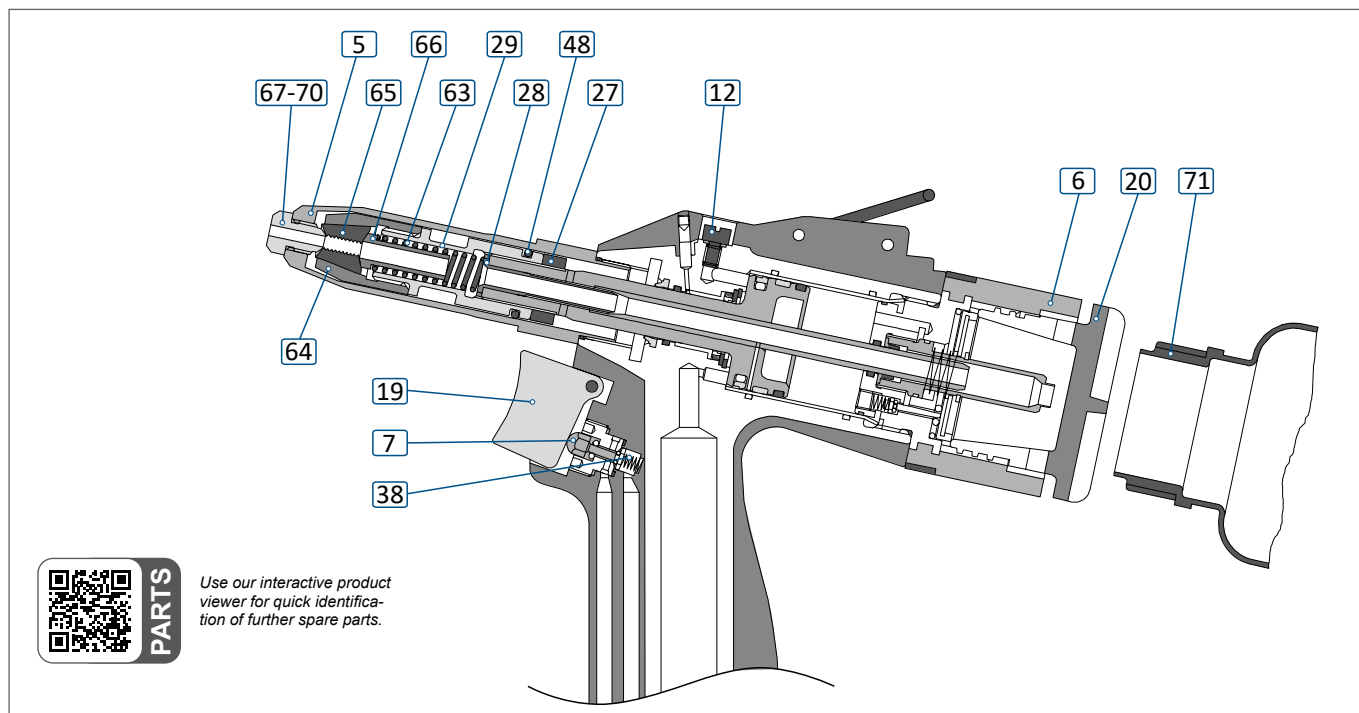


Family facts on the **HONSEL** pneumatic tools on page 65.

BZ 103 A

	2.4	3.0	3.2	4.0	4.8	5.0	6.0	6.4	8.0
Aluminium									
Steel									
Stainless steel									
Copper alloys									
3.8 mm									
1.8 kg									
5-7 bar									
18 mm									
2.4 litres									
11,700 N at 7 bar < 75 dB(A) (68.32) G 1/4 inside thread, can be - ted on left or right • 1x pneumatic-hydraulic riveter BZ 103A in HONSEL L-Boxx® • 4x nosepiece • 1 set of clamping jaws • 1 bottle of hydraulic oil with re nit • 2x mandrel collector									
Item no. 320.103.000.000									





Spare / wear parts and accessories

5	321101000016	Front sleeve
6	321102000006	Mandrel capture comple
7	321102000007	Release valve
12	321101000027	Oil drain plug including o-ring
19	321102000016	Trigger
20	321102000017	Closing cap mandrel capture
27	321102000023	M12 x 3 capture nut
28	321121000121	Vacuum nozzle
29	321102000025	Spacer

38	321102000036	Pressure spring trigger
48	321101000042	O-ring 150 x 20 NBR 90° Shore
63	311045000013	Pressure spring clamping mechanism
64	311045000010	Clamping sleeve
65	321070000241	Clamping jaws (1 set = 3 pcs)
66	311055000020	Guide sleeve
71	321082000010	Mandrel collector
---	321101000091	Wind deflector to divert the mandrel suction air flow BZ tools

Standard nosepieces

67	321070000240	Standard nosepiece 2.4 mm
68	321085000123	Standard nosepiece 3.0/3.2 mm
69	321085000124	Standard nosepiece 4.0 mm
70	321085000125	Standard nosepiece 4.8/5.0 mm

- ⚠ Special nosepieces can be produced at short notice for spe stomer applications.
- ▶ Extended front sleeves and further accessories on pages 74 - 75.
- ▶ Pneumatic accessories on page 81.

Special nosepieces

For recessed riveting points



Extended nosepieces 7 mm

321103932070	Extended nosepiece 3.0/3.2 mm
321103940075	Extended nosepiece 4.0 mm
321103950070	Extended nosepiece 4.8/5.0 mm



Extended nosepieces 20 mm

321103932200	Extended nosepiece 3.0/3.2 mm
321103940200	Extended nosepiece 4.0 mm
321103950200	Extended nosepiece 4.8/5.0 mm

Suitable for OPTO® multigrip blind rivets with extended mandrel.

For 5.0 mm large dome head blind rivets



321085000511	Facade nosepiece head 11.0 mm
321085000514	Facade nosepiece head 14.0 mm
321085000516	Facade nosepiece head 16.0 mm

For FERRO® BOLT 4.8 mm high-strength blind rivets



361101008401	Nosepiece FERRO®-BOLT 4.8 mm
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For 5.2 mm folding blind rivets



321103716052	Nosepiece for folding blind rivets 5.2 mm
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For burr-free setting of closed blind rivets



321085009124	CERTO® blind rivet 4.0 mm
321085009125	CERTO® blind rivet 4.8/5.0 mm

Pneumatic-hydraulic | with permanent and intermittent extraction



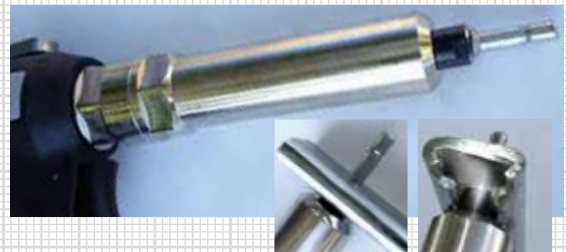
The BZ 123A is to be found in industrial series production, for example, of truck semi-trailers, and in individual vehicle and trailer construction – wherever large numbers of safety-relevant blind rivets have to be set quickly and reliably.



Very powerful.
Very large stroke.












In order to guarantee functionally reliable, visually monitorable locking of the mandrel of **FERO® BOLT** blind rivets, use of the matching special nosepieces is crucial!



HONSEL BZ 123A with special front sleeve and nose-piece for the installation of lashing rails.

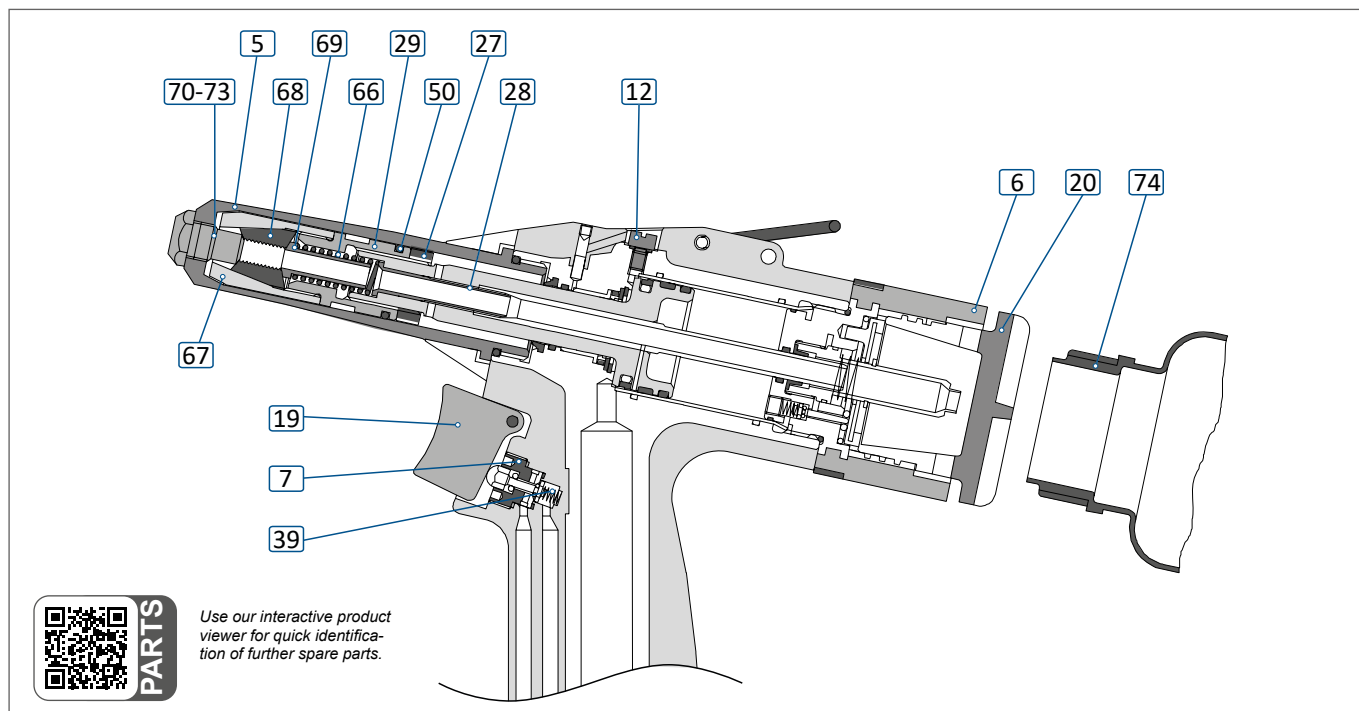
Other custom modifications also possible – we will be happy to advise you!

Family facts on the **HONSEL** pneumatic tools on page 65.

	2.4	3.0	3.2	4.0	4.8	5.0	6.0	6.4	8.0
				Aluminium					
				Steel					
				Stainless steel					
				Copper alloys					
	4.8 mm			18,700 N at 7 bar				G 1/4 inside thread, can be - ted on left or right	
	2.34 kg			< 75 dB(A) (68.32)					
	5-7 bar			<ul style="list-style-type: none"> • 1x BZ 123A pneumatic-hydraulic riveter in HONSEL L-Boxx® • 4x nosepiece • 1 set of clamping jaws • 1 bottle of hydraulic oil with re nit • 2x mandrel collector 					
	25 mm								
	3.5 litres								

Item no. 320.123.000.000





Spare / wear parts and accessories

5	321121000016	Front sleeve
6	321102000006	Mandrel capture comple
7	321102000007	Release valve
12	321101000027	Oil drain plug including o-ring
19	321102000016	Trigger
20	321102000017	Closing cap mandrel capture
27	321122000023	M14 x 1.5 capture nut
28	321121000014	Vacuum nozzle

29	321122000025	Spacer
39	321102000036	Pressure spring trigger
50	321120000014	O-ring 150x20 NBR 90°Shore
66	311045000013	Pressure spring clamping mechanism
67	321120000012	Clamping sleeve
68	321120000011	Clamping jaws (1 set = 3 pcs)
69	321120000010	Guide sleeve
71	321082000010	Mandrel collector
---	321221000065	Extended mandrel container

Standard nosepieces

67	321120000124	Standard nosepiece 4.0 mm
68	321120000125	Standard nosepiece 4.8/5.0 mm
69	321120000126	Standard nosepiece 6.0 mm
70	321120000127	Standard nosepiece 6.4 mm

! Special nosepieces can be produced at short notice for special applications.

Extended front sleeves and further accessories on pages 74 - 75.

Pneumatic accessories on page 81.

Special nosepieces

For recessed riveting points

Extended nosepieces 7 mm

321123940070	Extended nosepiece 4.0 mm
321123950070	Extended nosepiece 4.8/5.0 mm
321123960070	Extended nosepiece 6.0 mm
321123964070	Extended nosepiece 6.4 mm

Extended nosepieces 20 mm

321123940200	Extended nosepiece 4.0 mm
321123950200	Extended nosepiece 4.8/5.0 mm
321123960200	Extended nosepiece 6.0 mm
321123964200	Extended nosepiece 6.4 mm

Suitable e.g. for OPTO® multigrip blind rivets with extended mandrel.

For 5.0 mm large dome head blind rivets

321120000511	Facade nosepiece head 11.0 mm
321120000514	Facade nosepiece head 14.0 mm
321120000516	Facade nosepiece head 16.0 mm

For FERRO® BOLT 4.8 mm high-strength blind rivets

361121008401	Nosepiece FERRO®-BOLT 4.8 mm
361121008601	Nosepiece FERRO®-BOLT 6.4 mm

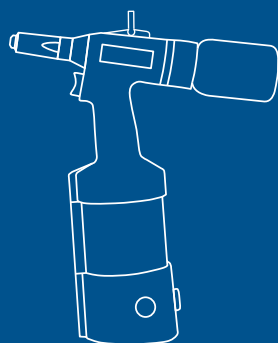
For 5.2/6.3 mm folding blind rivets

321123716052	Nosepiece for folding blind rivets 5.2 mm
321123716063	Nosepiece for folding blind rivets 6.3 mm

BZ 133A

Setting tool for blind rivets

Pneumatic-hydraulic | with permanent and intermittent extraction



The specialist for blind rivets up to 8.0 mm in diameter!

Special high-strength FERRO® BULB blind rivets (and similar types) are set easily and reliably by the combination of short stroke and **very high setting force (24,000 N!)**.

Our sales service would be glad to present all our pneumatic-hydraulic tools to you.
Make an appointment!



Eminently suitable for **FERRO® BULB** blind rivets!



Nosepieces

321120000124	Nosepiece 4.0 mm
321120000125	Nosepiece 4.8/5.0 mm
321120000126	Nosepiece 6.0 mm
321120000127	Nosepiece 6.4 / 8.0 mm

Spare and wear parts

361122000022	Clamping sleeve
321120000010	Guide sleeve
361122000020	Clamping jaws
321120000014	O-ring clamping mechanism
311045000013	Pressure spring clamping mechanism

Family facts on the **HONSEL** pneumatic tools on page 65.

	2.4	3.0	3.2	4.0	4.8	5.0	6.0	6.4	8.0
					Aluminium				
					Steel				
					Stainless steel				
					Copper alloys				
4.8 mm									
2.34 kg									
5-7 bar									
18 mm									
3.5 litres									
24,000 N at 7 bar									
< 75 dB(A)									
G 1/4 inside thread, can be used on left or right									
<ul style="list-style-type: none"> • 1x BZ 133A pneumatic-hydraulic riveter in HONSEL L-Boxx® • 4x nosepiece • 1 set of clamping jaws • 1 bottle of hydraulic oil with reinit • 2x mandrel collector 									
Item no. 320.133.000.000									

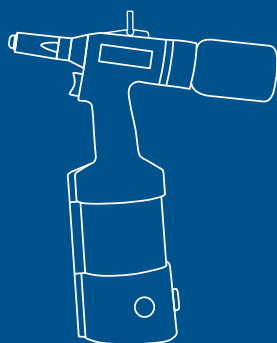




BZ 143A

Setting tool for blind rivets

Pneumatic-hydraulic | with permanent and intermittent extraction



Reliable with low wear.

On the **HONSEL BZ 143A**, the clamping jaws are specially adapted to the **trapezoidal grooves of the rivet mandrel**.

In combination with the modified clamping mechanism, this guarantees secure and **positive setting of FERO® BULB** high-strength blind rivets (or comparable types) with mandrel diameters from 3.8 to 6.15/6.5 mm!

Wear of the clamping jaws is minimised!



Perfected for **high-strength blind rivets** with 6.4 and 7.8 mm diameter and grooved rivet mandrel!



Nosepieces


321528200066	Retention nosepiece 6.4 mm
321528200067	Retention nosepiece 7.8 mm

Spare and wear parts


321528045080	Clamping jaws
321143000010	Guide sleeve
321143000012	Clamping sleeve BZ143
321143000013	Pressure spring clamping mechanism BZ143
321143000016	Front sleeve BZ143
321143000025	Piston extension BZ143

Family facts on the **HONSEL** pneumatic tools on page 65.

2.4	3.0	3.2	4.0	4.8	5.0	6.0	6.4	8.0
							Aluminium	
							Steel	
							Stainless steel	




6.5 mm




ZUG
↕↕


24,000 N at 7 bar




G 1/4 inside
thread, can be
d on left or
right




2.5 kg




< 75 dB(A)




• 1 BZ 143A pneumatic-hydraulic riveter from 2021
in **HONSEL L-Boxx®**



5-7 bar




• 2 nosepieces
• 1 set of clamping jaws
• 1 bottle of hydraulic oil with re nit
• 2 mandrel collectors



HUB
↑

18 mm

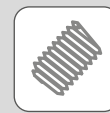


3.5 litres

Item no. 320.143.000.000



BZ 143 A



30 years of process monitoring in fastener technology



For extended applications, up to eight measurement recording modules can be connected to one display module.





DMSD process monitoring

for pneumatic-hydraulic and battery-powered setting tools

HONSEL received the patent for process monitoring in blind rivet processing back in 1990.

Since then, the concept has been continuously optimised and is now in use in production facilities worldwide in the latest version DMSD 2G. It documents the correct setting of blind rivets, blind rivet nuts and studs, coil threaded inserts and sealing plugs.



- In-process monitoring of blind rivet and blind rivet nut setting operations
- Early detection of quality deviations
- Minimisation of QA effort
- Quick feedback through transparency in the production process
- Traceable process results
- Reduction in additional test routines



Pneumatic tools DMSD

HONSEL DMSD suitable for:

- **Automation** components and **manual workstations**
- RivSys, BZ and VNG **pneumatic tools**
- eBZ and eVNG **battery riveters**

Detailed information on the possibilities offered by **automation technology** and **process monitoring** can be requested separately.

Extended front sleeves



Extended front sleeves BZ 103A (and BZ 102A)

321103010130	Conversion kit complete 130 mm / diameter 21.5 mm
321103010170	Conversion kit complete 170 mm / diameter 21.5 mm
321103010210	Conversion kit complete 210 mm / diameter 21.5 mm

Extended front sleeves BZ 123A (and BZ 122A)

321123010130	Conversion kit complete 130 mm / diameter 23.5 mm
321123010170	Conversion kit complete 170 mm / diameter 23.5 mm
321123010210	Conversion kit complete 210 mm / diameter 23.5 mm

Extended front sleeves are ideally suited for reaching **recessed riveting positions**.

These are immediately available from stock in lengths up to 210 mm and can be easily mounted on existing tools.

The **extremely small diameters** make setting possible even in very confined, recessed positions.

Blind rivets with extended mandrels are not necessary!

Angular rivet heads

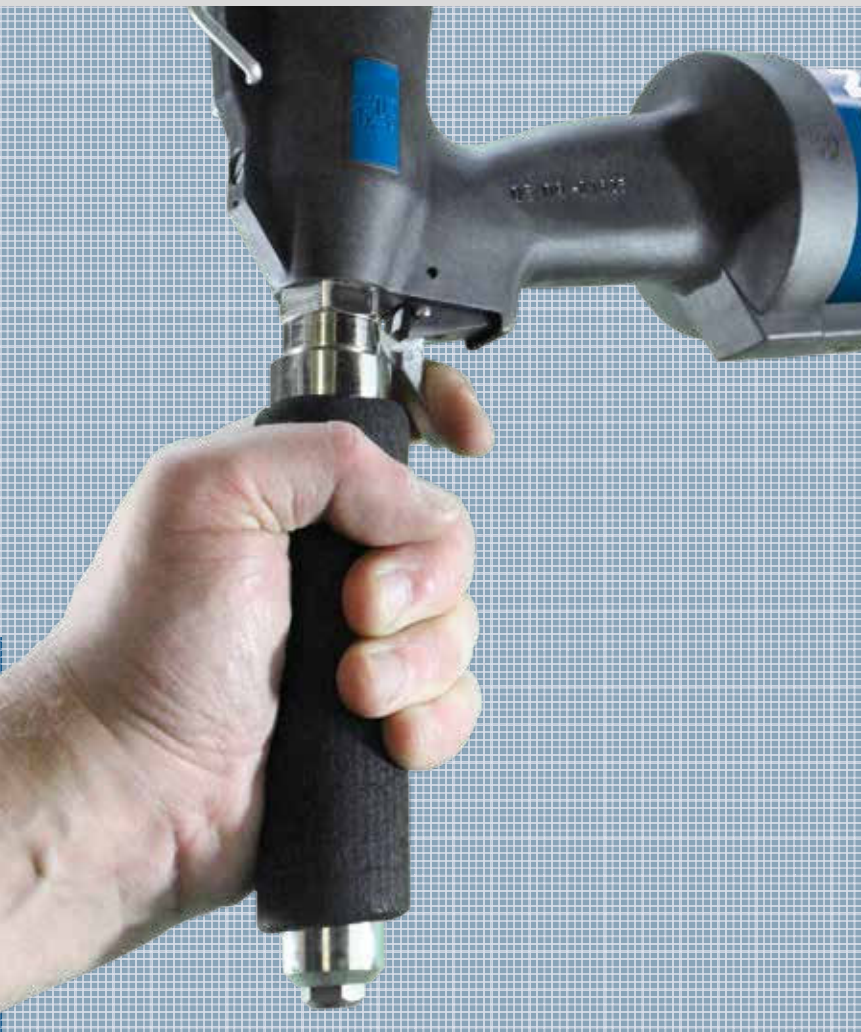
Various **angular rivet heads** are available, on request, for mounting on the **HONSEL BZ 103A** in order to be able to set blind rivets even in places that are difficult to reach.

These angular rivet heads are designed for setting forces between 5,000 N and 9,200 N and have a stroke of between 12 and 17 mm.

Angular rivet head 5000/12 5,000 N - 12 mm stroke Height with nosepiece 85.6 mm Width 24.0 mm - Length 117.0 mm	321102000600-1-1
Angular rivet head 9200/17 for stainless steel blind rivets up to 5.0 mm!! 9,200 N - 17 mm stroke Height with nosepiece 88.0 mm Width 34.2 mm - Length 121.0 mm	360008800000-2-1

Pneumatic accessories





Special hanger bracket for vertical operation of HONSEL setting tools

Riveting tools with a pistol grip have an optimum ergonomic design for horizontal rivet setting.

For setting in vertical direction, especially in industrial applications with series production, modified versions with the following features are available:

- Extended front sleeve with soft grip
- Modified comfort trigger
- AXIAL setting tool bracket (can be used horizontally and vertically without modification)

The tools are converted at the factory.

Our Technical Field Service is available for consultation on site.

BZ 103A AXIAL
Item no. 320103000000-2-1

Foot release and mandrel discharge

Foot release

Actuation of the riveter by foot release to have both hands free for part handling.

Ideal in combination with installation in an existing bench / worktop. Ask also about the possibilities of multiple triggering.



Stud discharge

The special screw fitting with plug connector can be used as an alternative to the normal mandrel collector. The sheared mandrels can be discharged through the hose (available in various lengths) into a large mandrel collector.

Frequent emptying is no longer necessary- you can continue to work without interruption.

The workplace is kept free of sheared rivet mandrels.

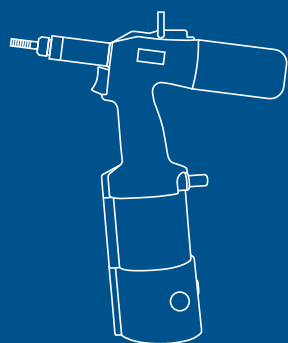
BZ 103 A prepared for foot controlled trigger
320103000000-20-1
Foot controlled trigger complete
321103001504-1-1

Front sleeve for table mounting 321101000016-2-1
Lock nut for table mounting 321103500014-2-1
Mandrel discharge complet 321102000018-1-1



VNG 703

Setting tool for blind rivet nuts and studs
Pneumatic-hydraulic | force-controlled



The force-controlled **HONSEL** tool
for fast setting of large numbers in series production.

The setting and control of the required setting force guarantees that the blind rivet nut is always **optimally set without damage to the material**. The VNG 703 also features a **user-friendly design** and **easy handling**.

Switching from forward to return travel is extremely quick. Slight pressure on the threaded mandrel automatically threads on the blind rivet nut and unthreads it again **fully automatically** after setting.

FORCE CONTROLLED



Typically **HONSEL**. Simple and practical:
Stepless setting of the setting force individually for each fastener.



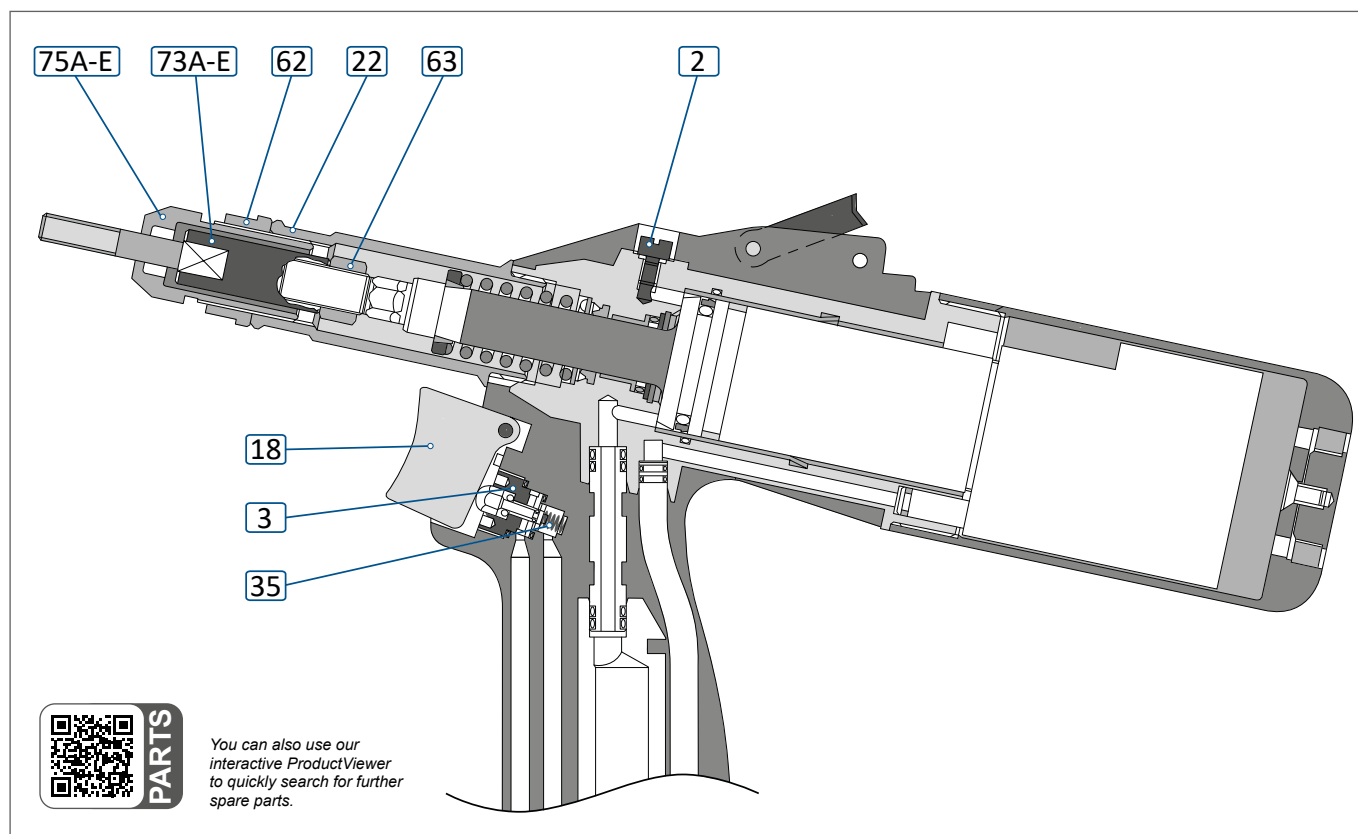
Special accessories: **Angular adapter** to maintain the necessary perpendicularity to the part.

Family facts on the **HONSEL** pneumatic tools on page 65.

VNG 703

	M3	M4	M5	M6	M8	M10	M12
Aluminium							
Steel							
Stainless steel							
Steel							
kg	2.5 kg						
ZUG							
	20,000 N at 7 bar						
5-7 bar							
< 75 dB(A) (68.32)							
4.4 litres							
9 mm							
Item no. 320.703.000.000							





Spare and wear parts

2	321101000027	Oil drain plug including o-ring
3	321102000007	Release valve
18	321102000016	Trigger
22	321703000024	Front sleeve
35	321102000036	Pressure spring trigger
62	321801000074	Lock nut M18x1
63	361802191075	Lock nut M9x0,75

Nosepieces

75A	311800000203	Nosepiece M3
75B	311800000204	Nosepiece M4
75C	311800000205	Nosepiece M5
75D	311800000206	Nosepiece M6
75E	311800000208	Nosepiece M8

Mandrels/sleeves

73A	321800008030	Mandrel M3
73B	321800008040	Mandrel M4
73C	321800008050	Mandrel M5
73D	321800008060	Mandrel M6
73E	321800008080	Mandrel M8
74B	321800009040	Threaded sleeve Rifbolt M4
74C	321800009050	Threaded sleeve Rifbolt M5
74D	321800009060	Threaded sleeve Rifbolt M6

! Special accessories, nosepieces and mandrels, for example, extended, or for UNC/UNF coarse threads or for inside riveting locations are available on request.

▶ Pneumatic accessories on page 81.

An OPTIMUM joint.

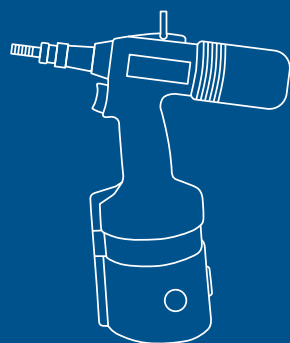
The force-controlled VNG 703 is eminently suitable for setting the patented **OPTO® multigrip blind rivet nuts**. With their extremely large gripping range, these blind rivet nuts developed at **HONSEL** can replace several conventional sizes and thus massively reduce storage and error costs.

OPTO® multigrip blind rivet nuts can be found in the HONSEL catalogue blind rivet fasteners.



VNG 903

Setting tool for blind rivet nuts and studs
Pneumatic-hydraulic | stroke-controlled



The stroke-controlled solution for large tasks – optionally up to M12.

The sophisticated design and individual setting options make the **HONSEL** VNG 903 your perfect tool for the easy and reliable setting of all common blind rivet nuts. These are **automatically threaded** onto the threaded mandrel through light pressure. Threading is likewise stopped automatically; the threading time can be set.

Convenient, simple, practical.

STROKE CONTROLLED



Exact adjustment of the setting stroke via scale on the adjustment cap.



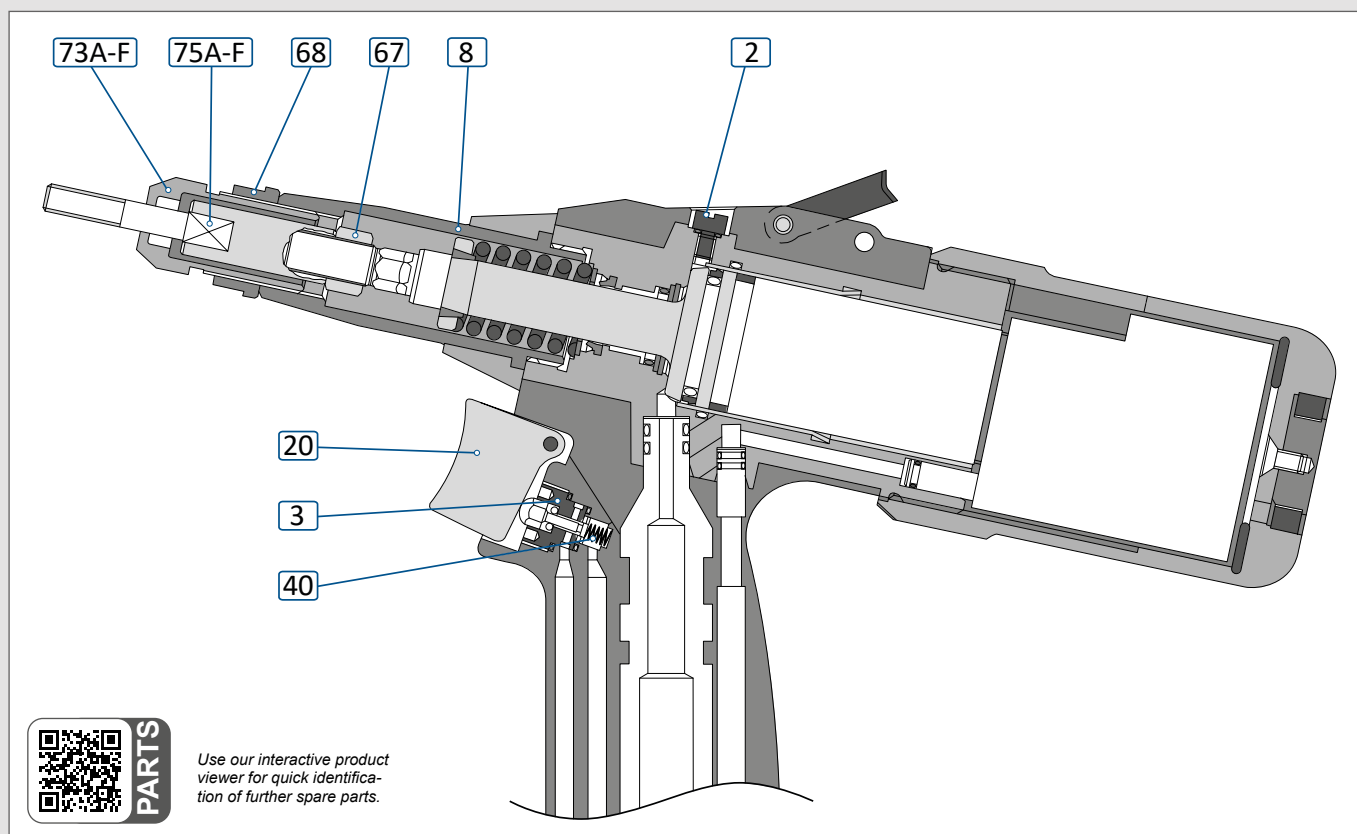
Easy setting of even thick-walled blind rivet nuts – optionally up to M12!

Family facts on the **HONSEL** pneumatic tools on page 65.

VNG 903

	M3	M4	M5	M6	M8	M10	M12
Aluminium							optional
Steel							optional
Stainless steel							optional
Steel							
kg	2.7 kg						
ZUG	29,000 N at 7 bar						
5-7 bar							
< 75 dB(A) (68.32)							
7.5 litres							
9 mm							
Item no. 320.903.000.000							





Use our interactive product viewer for quick identification of further spare parts.

Spare and wear parts

2	321101000027	Oil drain plug including o-ring
3	321102000007	Release valve
20	321102000016	Trigger
8	321903000016	Front sleeve
40	321102000036	Pressure spring trigger
67	361802191075	Lock nut M9x0.75
68	321801000074	Lock nut M18x1

Nosepieces

73A	311800000204	Nosepiece M4
73B	311800000205	Nosepiece M5
73C	311800000206	Nosepiece M6
73D	311800000208	Nosepiece M8
73E	311800000210	Nosepiece M10
73F	311800000212	Nosepiece M12

Mandrels/sleeves

75A	321800008040	Mandrel M4
75B	321800008050	Mandrel M5
75C	321800008060	Mandrel M6
75D	321800008080	Mandrel M8
75E	321800008100	Mandrel M10
(75F)	321800008120	Mandrel M12
74A	321800009040	Threaded sleeve Rifbolt M4
74B	321800009050	Threaded sleeve Rifbolt M5
74C	321800009060	Threaded sleeve Rifbolt M6
74D	321800009080	Threaded sleeve Rifbolt M8



The **stroke circlip** prevents an unwanted shifting of the adjusting cap.

for VNG 701/801/802/903:
321801000080



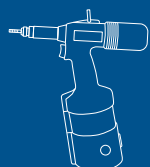
- ! Special accessories, nosepieces and mandrels, for example, extended, or for UNC/ UNF coarse threads or for inside riveting locations are available on request.
- ▶ Pneumatic accessories on page 81.



HONSEL VNG 903 in day-to-day use.
Guaranteed installation – powerful and reliable

VNG 753

Setting tool for folding blind rivet nuts
Pneumatic-hydraulic | stroke-controlled



The special **HONSEL** tool for folding rivet nuts.

These can be set quickly and easily thanks to their **very long stroke** of up to 15 mm and correspondingly **extended mandrels**.



Folding blind rivet nuts are used wherever delicate parts have to be joined and the riveting forces have to be distributed gently over the large folded setting head in order to protect the material.



Family facts on the **HONSEL** pneumatic tools on page 65.

Nosepieces / mandrels

361800008613	Mandrel M6
361800008813	Mandrel M8
311800000206	Nosepiece M6
311800000208	Nosepiece M8

Spare parts

321801000074	Lock nut M18x1
361802191075	Lock nut M9x0.75

VNG 753

M3	M4	M5	M6	M8	M10	M12
	optional		Steel		optional	
2.9 kg	19,000 N at 7 bar	Screwing in 1800 rpm Unscrewing 2500 rpm	G 1/4 inside thread, can be d on left or right			
5-7 bar	< 75 dB(A) (68.32)	1x VNG 753 pneumatic-hydraulic riveter in HONSEL L-Boxx®				
7.5 litres	Conversion kits for M6 and M8 folding blind rivet nuts • 1 bottle of hydraulic oil with re nit					
8 - 15 mm						
Item no. 320.753.000.000						



Pneumatic accessories for BZ and VNG tools

Add to your order!

Have you considered the necessary pneumatic accessories? Save unnecessary expenditure and order the suitable accessories for the **HONSEL** pneumatic tools of the BZ and VNG series together with your tool order!



No	Item no	Description
1	321121000053-3-1	Angular pivoting fitting aluminium incl hose with 1/4" outside thread and hose coupling
2	321121000053-1-1	Pivoting threaded pipe angle, aluminium
3	321121000053-2-1	Pivoting threaded pipe angle, stainless steel
4	321121000021	Valve extension R1/8"
5	321121000057	Screw-in hose connector -set- G 1/4" 6 mm
6	321121000058	Screw-in hose connector -set- G 1/4" 9 mm
7a	320848000009	Plug connection 7 mm G 3/8 for compressed-air service unit
7b	320848000012	Plug connection 7 mm G 1/4 for pivoting threaded pipe angle
8	320848000010	Coupling G 1/4"
9	320848000004	Pressure controller 7 bar
10A	320848000005	Compressed air spiral hose incl coupling and plug connection -length 4 m-
10B	320848000006	Compressed air spiral hose incl coupling and plug connection -length 6 m-
10C	320848000008	Compressed air spiral hose incl coupling and plug connection -length 8 m-
11	321101006467	Oil re-fill unit for all tools of BZ- and VNG-series
12	320848000001	Filter regulator G3/8 complete
13	320848000002	Maintenance unit, 2-part, complete
---	320848000003	Replacement filter for filter regulator
---	320848000011	1 litre of pneumatic motor oil
---	321101000091	Wind deflector BZ tools

For smooth operation of our pneumatic tools, please be sure to observe the information in our operating manuals!

Important for maintaining a good performance and avoiding damage are the **characteristics of the compressed air used**.

- Condensation hinders the lubrication and causes corrosion inside the tool!
- The motors have to be continuously lubricated.



For BZ tools water trap / pressure reducer
G3/8 lter regulator with lter pressure regulator, manometer, plastic protective cage, mounting bracket, G3/8 plug connection and quick-coupler.



For VNG tools water trap / pressure reducer / oil nebuliser
2-piece G3/8 air conditioner, including plastic protective cage, mounting bracket, G3/8 plug connection, quick-coupler and 1 litre of pneumatic motor oil.

Riveting from A to Z – from a single source.



The perfect setting of our fasteners is a **HONSEL** core competence. And that for decades.

HONSEL develops **new ideas** every day. Creative, with a great deal of know-how, leaving the beaten path and taking the feedback from our customers, our technical sales and service team into consideration.

After evaluation of the feasibility and the latest technical possibilities, the implementation is carried out by **experienced design engineers** and programmers, in prototype production and in-house 24/7 endurance tests on several plants with widely differing boundary conditions.

Assembly or **production** and its permanent monitoring and optimisation takes place exclusively at sites of the **HONSEL** Group. The guarantees **reliability** and high **quality**.

The best examples are the successful **Rivdom®** and **RivSmart®** battery riveters with their innovative details and extensive range of options.

Service. Service. Service. In our new **workshop**, highly trained staff take care of the **fast repair of all types of tool**, from manual riveting tools through battery riveters right up to pneumatic tools and automation components.

Here the outstanding equipment in the workshop and very large stocks of thousands of spare parts guarantee that our repair professionals solve even the most complicated cases quickly so that your production has no standstill times. If necessary, we can fall back on a large pool of **loan equipment**.

Regular preventive **maintenance** is also playing an increasingly important role. Talk to our sales staff about the possibilities of extended guarantees, maintenance plans and service packages.



BZ / eBZ

BLIND RIVETS



Here it's all about the setting of the classic blind rivet in all its varieties. BZ tools are available as hand, lever or shear pliers, as pneumatic-hydraulic tools or as eBZ battery riveters.

VNG / eVNG

Blind rivet nuts and blind rivet bolts



VNG tools can set both blind rivet nuts and RIFBOLT® blind rivet bolts. They are available as manual or lever riveting tools, as pneumatic-hydraulic riveters or – the latest development – as eVNG battery riveters.

Private label, automation and more.



Your ...
LABELS
TOOL COLOUR
PACKAGING
MANUAL

Very special. Customised. Just YOU.

Use **HONSEL** quality tools completely in your company's design. Impress your customers with your "own" tool, boost your sales and increase customer loyalty to your brand.

With a private label product you get your tools in your house colours, with your logo and your name, also with labels (if necessary) and an individual packaging design and operating manual.

We can provide professional support here. Experienced **project planning and design** to your specifications, **sampling**, long-term **delivery plans** and, on request, the handling of **service and maintenance** make implementation easy for you.



Information on **automation, system components or process monitoring** can be found in the **HONSEL** catalogue for **industrial and automotive solutions**.



MULTI

BLIND RIVETS, BLIND RIVET NUTS and BLIND RIVET BOLTS

The MULTIS can handle them all. All three blind rivet products can be set with just one tool!

HONSEL Multi tools are available only as manual or lever riveters.

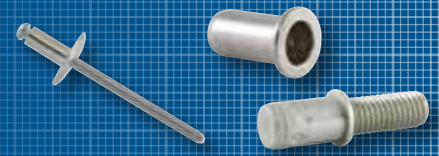


Rivdom® RivSmart®

BATTERY RIVETERS
CONVENIENT. SMALL. LIGHT. SMART.

Rivdom® and RivSmart® are our two product lines for battery riveters **MADE BY HONSEL**. Rivdom® offers the latest technology with a wide range of useful details. RivSmart® impresses with its smart control – perfect for industrial applications.

What? Where? At a glance.



BZ hand tools

Tool \ Dimensions	Blind rivets										
	2.4	3.0	3.2	4.0	4.8	4.8 high-strength	5.0	6.0	6.4	6.4 high-strength	8.0
BZ 2 / 44											
BZ 58											
BZ 70											
BZ 72											

MULTI hand tools

Tool \ Dimensions	Blind rivets										
	2.4	3.0	3.2	4.0	4.8	4.8 high-strength	5.0	6.0	6.4	6.4 high-strength	8.0
MULTI 1											
MULTI 5											

BZ pneumatic setting tools (pneumatic-hydraulic)





Tool \ Dimensions	Blind rivets										
	2.4	3.0	3.2	4.0	4.8	4.8 high-strength	5.0	6.0	6.4	6.4 high-strength	8.0
BZ 103A											
BZ 123A											
BZ 133A											
BZ 143A											

Rivdom / RivSmart battery riveters (battery-powered)



































































Tool \ Dimensions	Blind rivets										
	2.4	3.0	3.2	4.0	4.8	4.8 high-strength	5.0	6.0	6.4	6.4 high-strength	8.0
Rivdom eBZ ZERO											
Rivdom eBZ 1											
Rivdom ONE											
Rivdom eBZ 2											
Rivdom eBZ 3											
RivSmart eBZ ZEROs											

... blind rivets nuts and bolts































Fastener material

 Aluminium	 Steel	 Stainless steel	 Copper alloys
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

















VNG hand tools

Tool \ Dimensions	Blind rivet nuts							Blind rivet bolts			
	M3	M4	M5	M6	M8	M10	M12	M4	M5	M6	M8
VNG 152	  	  	  	  	  			  			
VNG 255	   <small>optional</small>	  	  	  	  			  			
VNG 371		  	  	  	  			  			
VNG 612		   <small>optional</small>	  	  	  			  			
















MULTI hand tools

Tool \ Dimensions	Blind rivet nuts							Blind rivet bolts			
	M3	M4	M5	M6	M8	M10	M12	M4	M5	M6	M8
MULTI 1	  	  	  	  	  						
MULTI 5	   <small>optional</small>	  	  	  	  						

























VNG pneumatic setting tools (pneumatic-hydraulic)

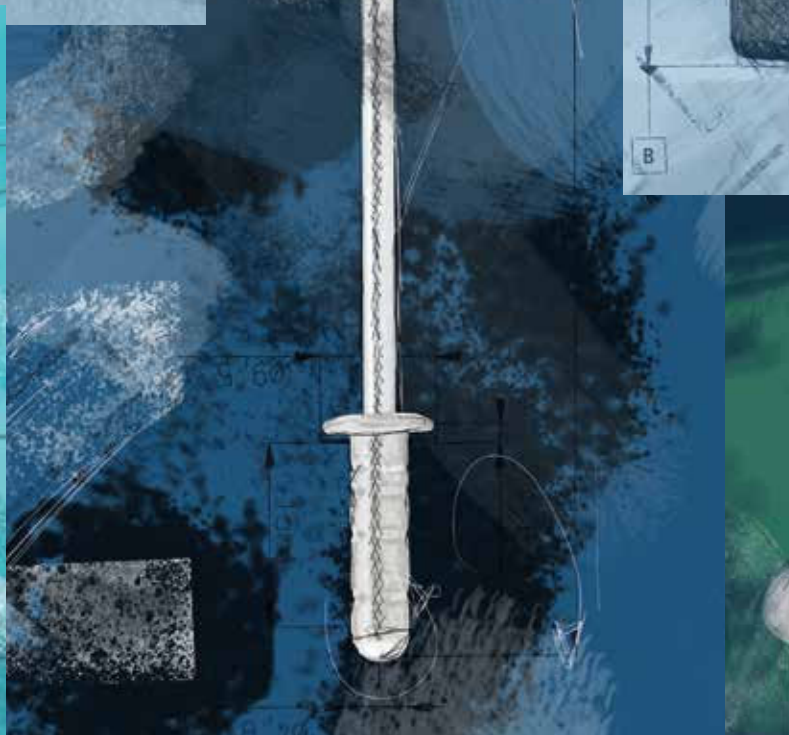
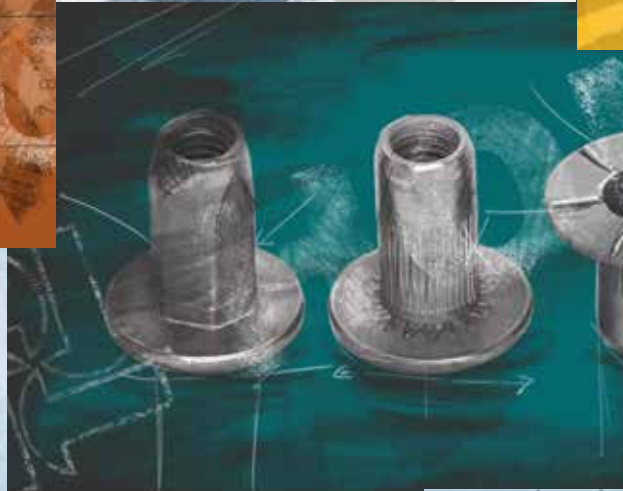
Tool \ Dimensions	Blind rivet nuts							Blind rivet bolts			
	M3	M4	M5	M6	M8	M10	M12	M4	M5	M6	M8
VNG 703	  	  	  	  	  			  			
VNG 903		   <small>optional</small>	  	  	  		   <small>optional</small>	  			

VNG pneumatic setting tools for folding blind rivet nuts (pneumatic-hydraulic)

Tool \ Dimensions	Folding blind rivet nuts						
	M3	M4	M5	M6	M8	M10	M12
VNG 753		   <small>optional</small>	   <small>optional</small>	  	  	   <small>optional</small>	

Rivdom battery riveters (battery-powered)

Tool \ Dimensions	Blind rivet nuts							Blind rivet bolts			
	M3	M4	M5	M6	M8	M10	M12	M4	M5	M6	M8
Rivdom eVNG 2	   <small>optional</small>	  	  	  	  	  	   <small>optional</small>	  			







Blind rivets



Blind rivet nuts



Blind rivet studs



Coil threaded inserts*



Self-clinching elements



Manual riveters



Pneumatic riveters



Battery riveters



Clinching machines*



Automation components*



Process monitoring*

* Please request separate / additional documents.

All prices exclusive of VAT.
Subject to technical and editorial changes.