

#sharethepower



Now with 18V AMPShare technology:
Rivdom eBZ 1 and eVNG 2
battery riveters from HONSEL



Powered by



Blind rivet processing



HONSELEVOLUTION

We have been developing fastening system solutions and producing high-quality fasteners and matching processing methods – and that for more than 90 years.

From simple manual riveters to process-monitored automation components.

From the classic industrial rivet through to captive sleeve-and-screw elements for assembly-ready delivery of pre-assembled components to the production line.

Made by HONSEL.



Always the right fastening solution.

HONSEL riveting tools have been a guarantee for reliable processing for generations.

From the BZ 1 from the 1960s that is still used by some customers even today, to the Rivdom eVNG 2 for blind rivet nuts from M3 to M12 that established itself on the market very shortly after its launch.

Michael H. Honsel | Head of Product Development for many years

We offer industrial customers individual concepts for the optimisation of the fastening technology in their manufacturing processes.

We are reliable suppliers to the specialised trade and provide support in all matters relating to fastening technology.

Everything from a single source. Everything from HONSEL.



#sharethepower

HONSEL is a member of the new AMPShare – powered by Bosch battery alliance that was founded in autumn 2022. This means that we always have access to the world's leading and fastest charging technology for you.

The benefits for you: AMPShare batteries are fully compatible with all tools in the cross-brand community – including the entire Bosch Professional 18 V system. Rivdom eBZ1 and Rivdom eVNG2 will be the first tools to be equipped with the new batteries. ► page 34



headless

The “headless” blind rivet nut is an exemplary product development from Honsel. Originally conceived and produced as a special solution, the nut was immediately added to the standard range due to the great interest.

The blind rivet nut is used with **0 mm protrusion** in smooth-walled bores without countersinking. The elimination of the “countersinking” process at the bore offers enormous savings potential. Thanks to the **0 mm protrusion**, parts can be assembled without interference edges or can slide over each other.



approved

General european technical approvals are required for many types of construction and construction products where defined rules and standards do not exist, or where deviations from such are allowed.

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

HONSEL delivers selected sizes from the **ALFO®**, **OPTO®** and **CERTO®** product groups and for **folding blind rivets with neoprene seal**.



automated

Apart from the extensive possibilities for processing with standard tools, HONSEL is a partner for automated screwing and riveting components, assembly cells, manual workstations and individual special solutions – often in combination with process monitoring and always with the well-known local HONSEL service. From commissioning through to ongoing maintenance. ► page 90



elements

HONSEL today – more than just riveting technology. Blind rivets and self-clinching elements continue to be our main focus.

But in addition to classic industrial rivets, bolts and axial clamps, we also develop and produce captive screw-and-sleeve elements or coil threaded inserts, among other things.

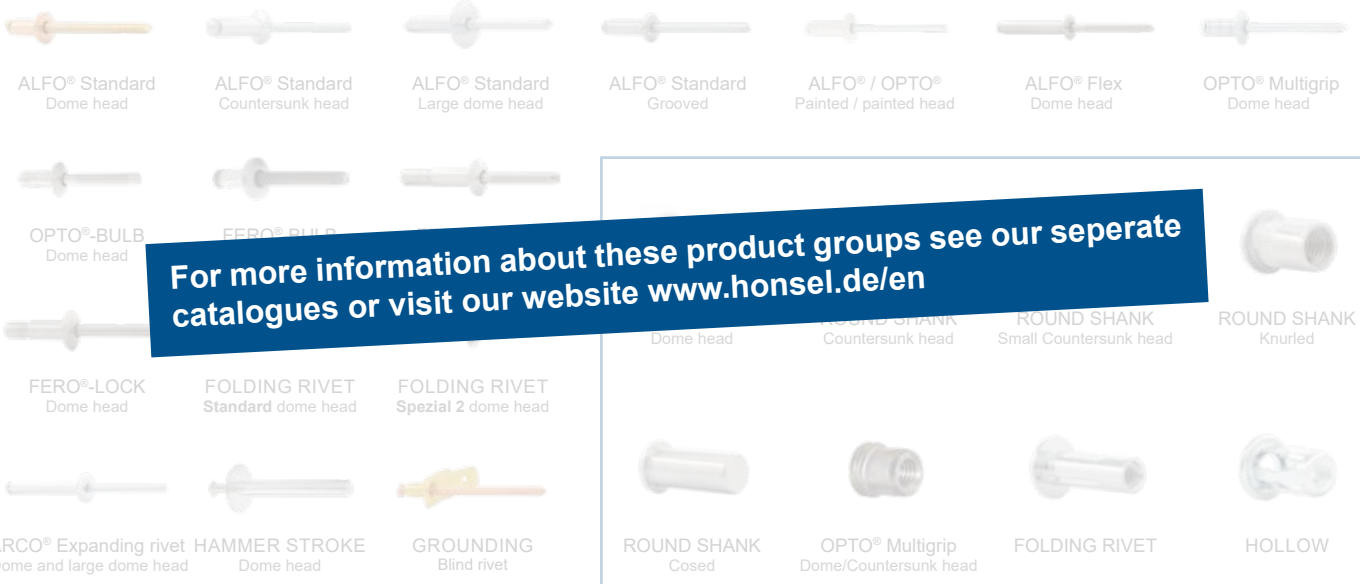


HONSEL pulse technology

Tilting of the cordless tool is no longer necessary

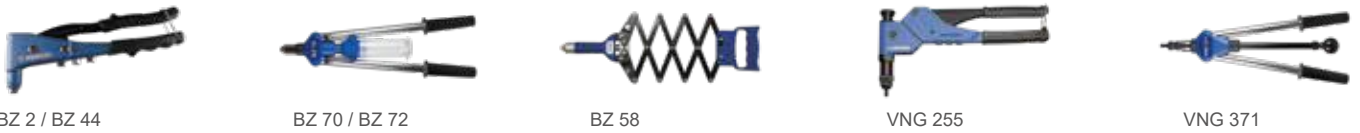
- The fastening process is accelerated
- Relief for the user

► page 38



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

BZ Series for blind rivets



VNG Series for blind rivet nuts/bolts

Rivdom eBZ Series for blind rivets



BZ Series for blind rivets



Automation components

Manual workstations



Self-piercing elements

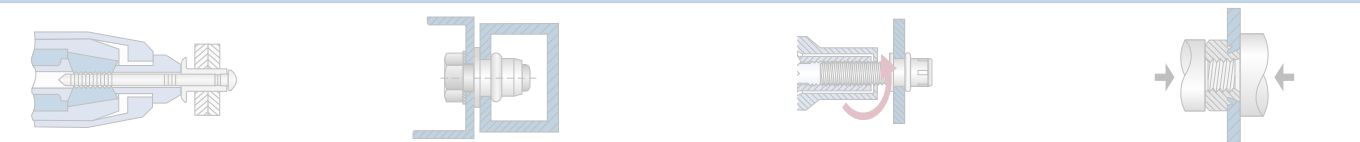
Industrial rivets

Studs and sleeves

Axial clamps



Self-clinching elements





Blind rivets

Detailed directory



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

Detailed directory



Blind rivet bolts



Manual riveters

20



Battery riveters

32



Pneumatic riveters

72



Automation and process monitoring

90



oneHONSEL elements



Self-clinching elements and machines



Technical information

VNG hand tools

Tool	Dimensions	Blind rivet nuts						Blind rivet bolts					
		M3	M4	M5	M6	M8	M10	M12	M4	M5	M6	M8	
VNG 152		[Red, Blue, Green, Silver lines]						[Blue line]					
VNG 255		[optional]	[Red, Blue, Green, Silver lines]						[Blue line]				
VNG 371			[Red, Blue, Green, Silver lines]						[Blue line]				
VNG 612			[optional]	[Red, Blue, Green, Silver lines]						[Blue line]			

MULTI hand tools

Tool	Dimensions	Blind rivet nuts						Blind rivet bolts				
		M3	M4	M5	M6	M8	M10	M12	M4	M5	M6	M8
MULTI 1		[Red, Blue, Green, Silver lines]						[Blue line]				
MULTI 5		[optional]	[Red, Blue, Green, Silver lines]						[Blue line]			

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		[Red, Blue, Green, Silver lines]						[Blue line, optional]					
VNG 903			[Red, Blue, Green, Silver lines]						[optional]	[Blue line, optional]			

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

Tool	Dimensions	Pressflaschen-Blindnietmuttern						
		M3	M4	M5	M6	M8	M10	M12
VNG 753			[optional]	[optional]	[Blue line]		[optional]	

Rivdom cordless 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		[optional]	[Red, Blue, Green, Silver lines]						[optional]	[optional]	[optional]	[optional]

Fastener material



HONSEL WORLDWIDE

The HONSEL Group.

HONSEL today is the success story of an owner-managed manufacturer of riveting and fastening technology with over 300 enthusiastic and experienced employees at five locations.

The nuclei. Made in Germany.

Firmly rooted in Germany, we are constantly expanding our capacities here and investing in excellently trained people and state-of-the-art technology.

We are near you.

With our locations in France, China and the USA, our own teams, e.g. in Poland or Austria and Switzerland, as well as long-standing sales partners in well over 50 countries, we are close to our customers on all continents and throughout Europe.



HONSEL Fröndenberg	HONSEL Neumünster	HONSEL France	HONSEL China	HONSEL North America
Main production site focussing on high-quality fastener elements and automation solutions for the automotive industry.	Catalogue range and special solutions for industry and trade. Development, production and service of setting tools.	Contact for trade and industry in France with distribution warehouse and nationwide field service.	Production of fasteners according to HONSEL specifications, centre for logistics and quality assurance; sales China.	Production and sale of special components for the automotive industry in USA, Canada and Mexico.

Automotive Leading the way.	Industry Competent.	Specialist trade ▶ page 76 In partnership.	Processing Innovative.	Fastener elements Reliable.
Decades of experience in supporting and supplying practically all automotive manufacturers and their suppliers.	Individual adaptation of special solutions. From the first idea through to series production. Continuously optimised together.	We support our sales partners. With sales material and training. Near you. Online. In joint projects.	Our goal: Perfect processing for every fastener and every application. From battery riveter through to automation.	Fast delivery from stock from the extensive standard product range or developed and manufactured to your specifications.



The full-range supplier for rivet and fastener technology

We have a very wide range of standard products available from stock and extensive possibilities for adapting or developing fastener elements or processing solutions individually according to customers' requirements.

For this we can call on the most modern production capacities and technical know-how and remain flexible and agile in order to be able to react quickly to wishes and requirements.

We also offer all our customers – from specialised trade partners to industrial producers to automotive manufacturers – further support in the form of service, optimisation or training.

We develop together with our customers, employ the latest technologies and adapt to new markets. The best examples are our successful activities in the areas of e-mobility and renewable energies.

WE ARE HONSEL

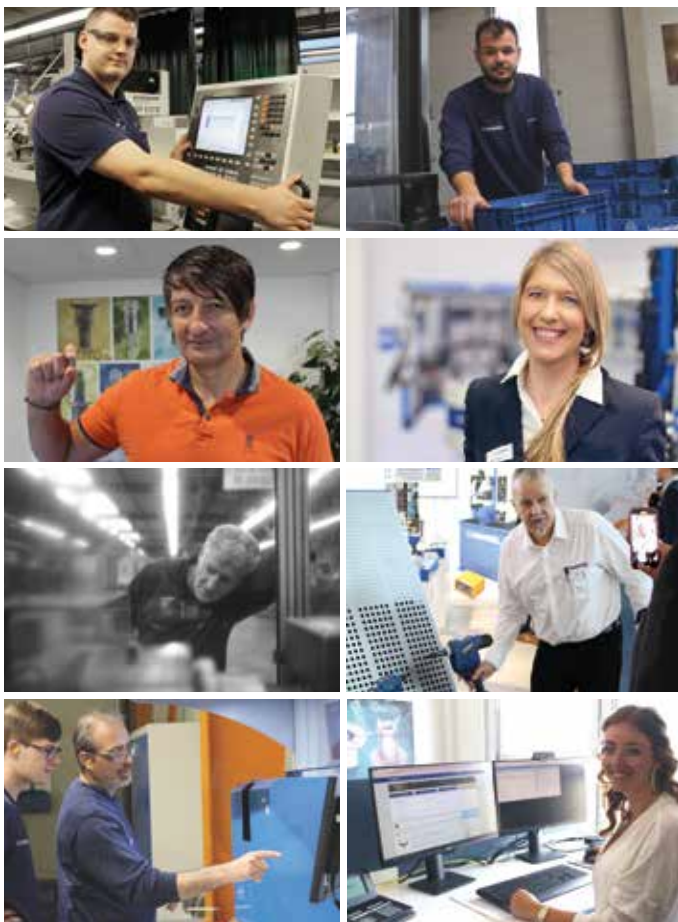
HONSEL. The team.

Our employees are the heart and soul of HONSEL. They are passionate, committed and each one is an absolute professional in his or her field – often over decades or even an entire professional life.

We are proud of that.



The continuous integration of the latest technologies and the experience of our company history form the basis and content for challenging commercial, industrial and technical jobs. We train our own apprentices and provide ongoing internal and external training for our staff.



Everything in-house.
We develop, design and assemble our battery riveters at our Neumünster site. That enables us to constantly optimise individual components and tools.

Raphael Rehbach | Head of Assembly Battery Riveters

Training and career

#onehonselteam

An employer with tradition and perspective.

Moving forward together.

Our goal:
Complete CO₂
neutrality

Sensitive, sus-
tainable action by
all.
Team. Partners.
Suppliers

PV installations
at all our sites

e-mobility live.
Fleet renewal with
electric vehicles.



HONSEL. Responsibility.

The environmental and climate goals we have set ourselves are ambitious. One of them: to operate with complete CO₂ neutrality as quickly as possible.

In order to achieve this, HONSEL initiated and implemented a large number of measures years ago from which the company benefits today. The spectrum ranges from the PV system on all production and logistics buildings to the avoidance of environmentally harmful substances in production and administration up to the introduction of a vehicle fleet consisting of electric vehicles.

The production facility in Fröndenberg – located directly in a recreational area on the Ruhr River that is important for the region – meets the highest environmental standards.

Just as we aim to raise awareness for sustainable action in every individual in their particular area down to the smallest detail, we also demand this awareness from our suppliers and partners and evaluate it on an ongoing basis.

PRODUCTION AND TOOLMAKING

HONSEL joins.

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

For example, we successfully wind coil threaded inserts on a large scale or produce plastic-coated screws for battery systems of hybrid and electric vehicles.

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. The production capacities are all designed for 3-shift operation. Starting material and wire warehouses at the site are always well stocked.

A special feature at HONSEL – our own toolmaking shop. The independent in-house production of tool sets, often comprising several hundred parts, guarantees a reduction in delivery times, even for unusual customer requests.

Individual new parts can thus be delivered as a series product just a few weeks after the enquiry.



<p>High manufacturing depth</p>	<p>More than 40 process-controlled multi-stage headers</p>	<p>Fast series maturity Quick implementation of special wishes</p>	<p>Toolmaking in-house</p>	<p>Pressed. Washed. Annealed.</p>
<p>Flexible production control for very short response times</p>	<p>Uncompromisingly individual</p>	<p>Forming of wire up to 20 mm in diameter and 60 mm in length</p>	<p>Highest precision</p>	<p>> 20,000 m² of production area</p>

SECONDARY PROCESSING

<p>Plastic sheathing</p>	<p>Assembly of parts and components</p>	<p>Highest quality surface coating in a local partner network</p>	<p>Application of certified seals and partial scratch protection</p>
<p>Barrel finishing, eroding, drilling, turning, milling, rolling and pointing.</p>	<p>Thread forming (internal and external)</p>	<p>Laser welding and crimping</p>	<p>Inductive annealing and hardening</p>



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 in the coil length of +/- 0.05 mm!

Absolute top values!

Pressing is often followed by a large number of further work steps. At HONSEL, these are largely carried out in-house or in the direct local vicinity with the shortest possible transport distances.

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.

The most important component here as well: our team! Regular further training combined with know-how passed down from generation to generation are **our company's DNA**.

DEVELOPMENT AND ENGINEERING

Pioneers in blind riveting technology

The basis for our success is the continuous eye for new possibilities. Always on the lookout for perfect solutions.

We recognise the potentials for fastener and processing concepts, put these into practice and optimise them continuously. HONSEL sees itself as a development partner for its customers who not seldom provide the stimulus for innovative, **sophisticated new products**.

The latest example – the HEADLESS blind rivet nut. Now new in the catalogue range – developed in response to a customer requirement.

After evaluation of the feasibility, implementation is carried out by experienced design engineers, in prototype production and in-house 24/7 endurance tests. Processes such as finite element simulations are also available for validation.

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 different production sites.



**3D
printing**

Finite
elements
simulation

**24-hour
endurance
tests**

CAD
data
service

QUALITY, APPROVALS AND CERTIFICATES

Certified ISO 9001: 2015 ISO 14001: 2015 IATF 16949: 2016	Length and roughness tests	Metallurgical examinations	100 % inspection 0 ppm strategy	Microscopy up to 1000x magnification
Automatic optoelectronic testing machines	Blind rivets with european technical approval ▶ page 24	Testing of shear and tensile forces, riveting mandrel breaking and push-out forces and the locking of the mandrel inside the head.	Eddy current testing and profile projection	HV & HB hardness tests, Testing machines up to 50 kN



Consistently and reliably fault-free

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

The HONSEL Group has developed exemplary **quality assurance processes** at all its sites.

In addition to standard test methods, state-of-the-art measuring equipment and testing facilities ensure the highest product level even for very large quantities.

For the **100 % testing** of individual special parts, we use **process monitoring systems** and **optoelectronic testing machines** developed in-house.

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.

LOGISTICS AND ASSEMBLY

Premium material and goods supply

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-filled warehouses at all our sites!

We are constantly investing in the latest transport and racking infrastructure, such as a narrow-aisle stacker system for semi-automatic approach to the racks and warehouse management with synchronised communication to the ERP system or the “goods-to-person” principle in order picking.

In addition, we not only manufacture our pneumatic tools in Germany, but also all Rivdom and RivSmart battery riveters at our Neumünster site.

Logistics means more to us. Late shipping deadlines and short organisational and transport paths guarantee fast response times. Long-standing logistics partners ensure smooth handling on schedule. Close coordination with production planning and purchasing guarantee the well-known high delivery readiness.



15,000 m² of warehouse and logistics space	Cardboard box packaging in all sizes	> 75,000 parcel shipments per year	Individual packagings with customer design	> 10,000 pallet transport operations per year
Small load carrier and individual bag packaging	Packaging capacities > 3 million per day	Delivery to Kanban systems	> 5.000 palletstorage spaces	Assembly capacities for more than 10,000 hand-held tools per year

HONSEL near you
**In-house exhibi-
tions, information
days and training
courses**

**Partners of
the specialist
trade**

▶ page 76

**All-round
support for
setting tools**

HONSEL near you
**Nationwide
technical
application
consultants**

**Long and good
contactability.**
In the morning, in
the evening and via
online chat

More than just good products

We have an open ear for your needs and aim 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 ongoing further training, an excellently qualified team is available – friendly and competent, with enthusiasm for our products and always a quick and pragmatic solution.

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**.



HONSEL near you. Our field service team analyses existing and new applications on site and, together with our customers, finds the optimum fastener element and processing tool – perfectly matched to each other.

Gerhard Skribeleit | Area Manager, Technical Application Consultant
With HONSEL for over 20 years.



Tool service

In addition to the reliably fast handling of repairs, you can also take advantage of other services.

An extensive pool of loan tools so that you can continue to work without interruption, 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.



MORE HONSEL

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.



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.

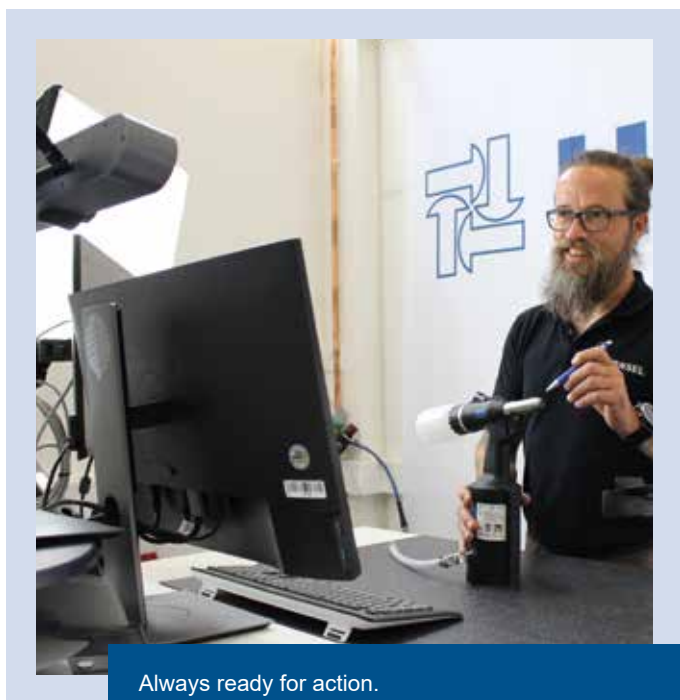
Just find the required fastener as normal in the product section of our Internet website and then click on the CAD symbol behind the required size.

Log in directly to the **CADENAS PARTcommunity** or quickly and easily create a free account **just once**.

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.



ONLINE SUPPORT



Always ready for action.
With regular maintenance and quick repairs, our team ensures that your production runs smoothly. We also provide direct online support with uncomplicated help or intensive training courses. Why not take advantage of this service?

Florian Schlüns | Head of Tool Service
With HONSEL for over 10 years.



On our website, www.honsel.de, you will find not only information about HONSEL but also useful tips to simplify your day-to-day work in rivet and fastener technology:

- **Product finder.** Extensive overview of all HONSEL products – in many cases backed up with illustrations, drawings, film or animation, data sheets and CAD data for design engineering.
- **Download centre** with a wide range of material such as flyers, product information or illustrations.
- **ProductViewer** for finding tool spare parts.
- **Live-Chat** for direct, quick contact with our team.

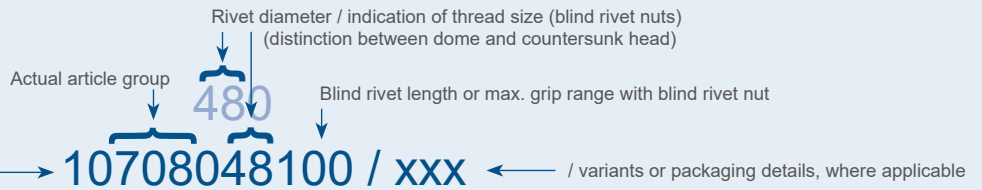
We have a large number of videos available on **YouTube**, many of which can be called up via the QR codes in this catalogue.

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

CATALOGUE INFORMATION

Article numbers / allocation to tools

Distinction between standard (10) and custom part (20), tools (310/320) and spare parts (311/321)



Page structure

Article group designation

with materials and version

Figures

with product photo, drawings and material details

Tabs

for better orientation when the catalogue is closed

Table – basic data

diameter / length / grip range / article no. / packaging size / price

Table – additional information

head + shank diameter, head height, bore diameter, various force data

Info block

with additional information / icons



Colour coding system

An unambiguous colour is assigned to each material that can be found also in both the navigation bar and the production designations and drawings as an aid to orientation. Furthermore, the colours are also integrated into the representation of the processing possibilities of all the tools. In addition, you will find the colour coding on a large proportion of our labels.

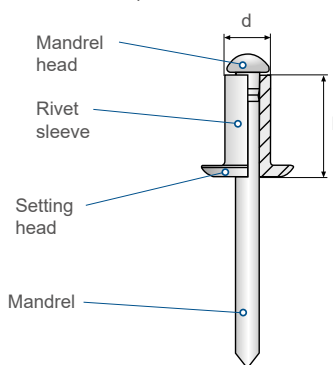
■ Steel ■ Stainless steel ■ Aluminium ■ Copper ■ Bronze

	M3	M4	M5	M6	M8	M10
Aluminium						
Steel						
Stainless steel						

Information for enquiries and orders

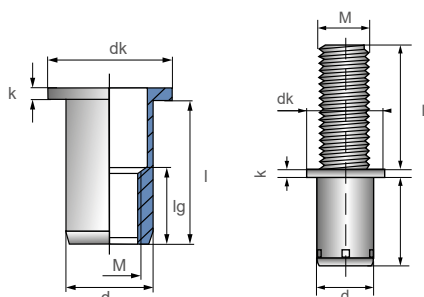
Blind rivets

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



Blind rivet nuts / bolts

- Material
- Thread size (M)
- Shank / bore diameter (d)
- Shank length / grip 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)?

Symbols

	General product information		Special nosepiece required		Pivoting tool head		Sound emissions in dB(A)
	Useful information / special features		Hexagonal product		Weight in kg		Air consumption in litres
	Page references		Closed shank		Tensile force at 7 bar		Connection possibilities
	HONSEL Serial No.		Knurled		Pressure in bar		Scope of supply
	CAD data available online		Imperial dimensions		Stroke in mm		Type of packaging
	DIN EN ISO		Stainless steel - A4 grade		Maximum stud diameter		Packaging with hanger hole
	QR code with content information		Grip range		Schubbruchkraft		Tightening torque
	Stud diameter blind rivet		Bore diameter		Zugbruchkraft		Axial tensile force
			Shaft diameter blind rivet		Shaft diameter blind rivet nut		Shaft diameter blind rivet stud

Hand tools

Hand tools



<p>Hand riveters small + compact</p>	<p>Lever-type riveters</p>	<p>Shear-type riveters</p>	<p>Assortments with fasteners</p>
<p>Ratchet for blind rivet nuts up to M12</p>	<p>With hydraulics</p>	<p>360° rotating heads</p>	<p>Fold-away arms</p>

Manual riveting tools are indispensable even today for setting small quantities of blind rivets. 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 riveters** for the do-it-yourselfer 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 stud collector and fold-away arms. **Multi 5**



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

Ask us!



For riveting on floors. **BZ 58**



Compact and powerful – with hydraulics. **VNG 152**

Customised. Completely your company.



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 work easier for you.

BZ 2

Hand tool for blind rivets
with opening spring



**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 nose pieces

Item no. 310002000000



BZ 2A with stud collector



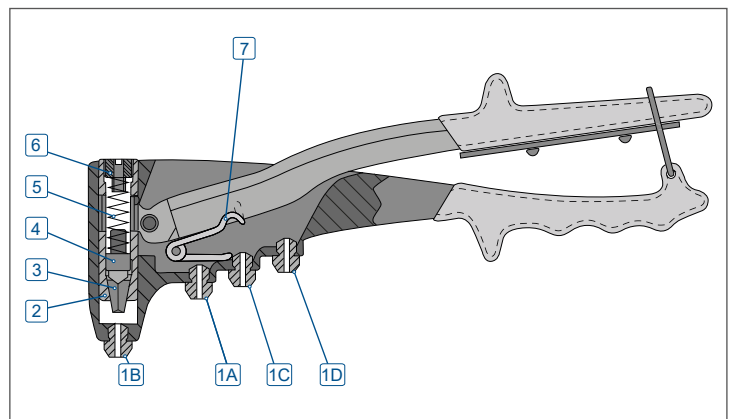
Item no. 310002000001

Stud collector set for retrofitting

Item no. 311002000031

BZ 2 spare parts

No.	Item no.	Spare part
1A	311002000024	Nose piece 2,4 mm
1B	311002000123	Nose piece 3,0/3,2 mm
1C	311002000124	Nose piece 4,0 mm
1D	311002000125	Nose piece 4,8/5,0 mm
2	311002000040	Clamping sleeve
3	311002000132	Clamping jaws
4	311002000006	Guide sleeve
5	311002000007	Pressure spring
6	311100000023	Clamping screw
7	311002000101	Leg spring



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

100 x OPTO® multigrip blind rivets **ALUMINIUM/STEEL**
Dome head 3.2 x 8.0
Grip range: 0.8–4.8 mm
Art. No.: 10600032080

50 x OPTO® multigrip blind rivets **ALUMINIUM/STEEL**
Dome head 3.2 x 11.0
Grip range: 4.0–7.9 mm
Art. No.: 10600032110

50 x OPTO® multigrip blind rivets **ALUMINIUM/STEEL**
Dome head 4.0 x 6.0
Grip range: 0.5–3.0 mm
Art. No.: 10600040060

50 x OPTO® multigrip blind rivets **ALUMINIUM/STEEL**
Dome head 4.0 x 9.5
Grip range: 1.2–6.4 mm
Art. No.: 10600040095

25 x OPTO® multigrip blind rivets **ALUMINIUM/STEEL**
Dome head 4.8 x 10.3
Grip range: 1.5–6.0 mm
Art. No.: 10600048103

25 x OPTO® multigrip blind rivets **ALUMINIUM/STEEL**
Dome head 4.8 x 15.1
Grip range: 4.8–11.1 mm
Art. No.: 10600048151



BZ 2 with OPTO® aluminium/steel assortment

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



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 nose pieces

Item no. 310044000000



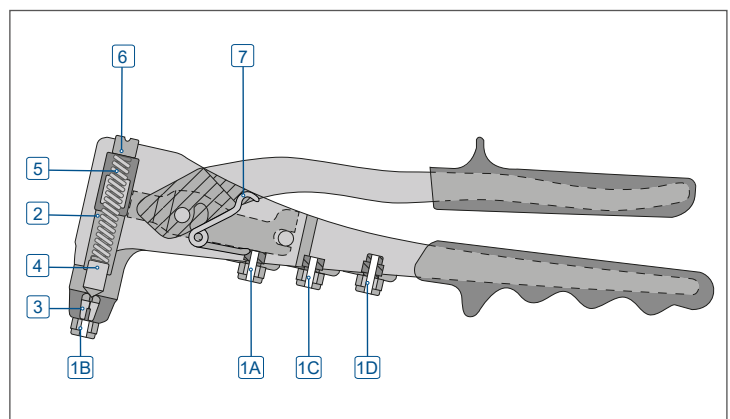
With holding mechanism for the mandrel.

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.



BZ 44 spare parts

No.	Item no.	Spare part
1A	311002000024	Nose piece 2,4 mm
1B	311002000123	Nose piece 3,0/3,2 mm
1C	311002000124	Nose piece 4,0 mm
1D	311002000125	Nose piece 4,8/5,0 mm
2	311044000003	Clamping sleeve
3	311002000132	Clamping jaws
4	311044000005	Guide sleeve
5	311044000006	Pressure spring
6	311044000007	Clamping screw
7	311044000102	Leg spring



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

100 x ALFO® standard blind rivets **ALUMINIUM/STEEL**
Dome head 3.0 x 6.0
Grip range: 1.5–4.0 mm
Art. No.: 10700030060

50 x ALFO® standard blind rivets **ALUMINIUM/STEEL**
Dome head 3.0 x 8.0
Grip range: 3.0–6.0 mm
Art. No.: 10700030080

50 x ALFO® standard blind rivets **ALUMINIUM/STEEL**
Dome head 3.0 x 10.0
Grip range: 5.0–7.5 mm
Art. No.: 10700030100

50 x ALFO® standard blind rivets **ALUMINIUM/STEEL**
Dome head 4.0 x 6.0
Grip range: 1.0–3.5 mm
Art. No.: 10700040060

50 x ALFO® standard blind rivets **ALUMINIUM/STEEL**
Dome head 4.0 x 8.0
Grip range: 3.0–5.5 mm
Art. No.: 10700040080

50 x ALFO® standard blind rivets **ALUMINIUM/STEEL**
Dome head 4.0 x 10.0
Grip range: 5.0–7.0 mm
Art. No.: 10700040100



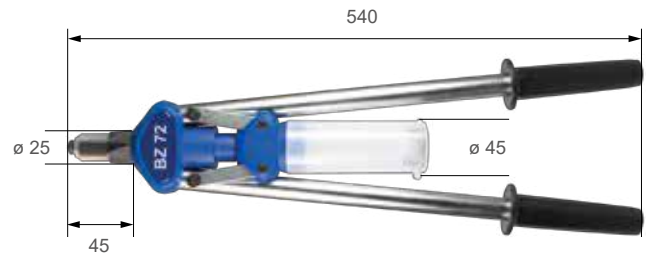
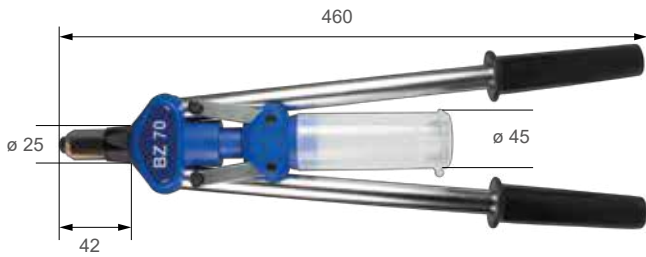
BZ 44 with ALFO® aluminium/steel assortment

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. 310044700000

BZ 70 / 72

Lever tool for blind rivets



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 nose pieces
- Special nose pieces 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 nose pieces
- Special nose pieces on request.

Item no. 310072000000



Very good ergonomics

Sturdy, durable construction

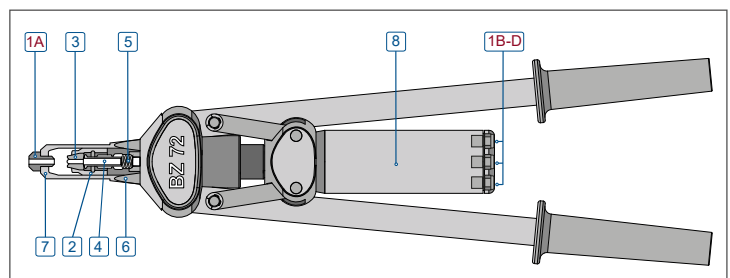
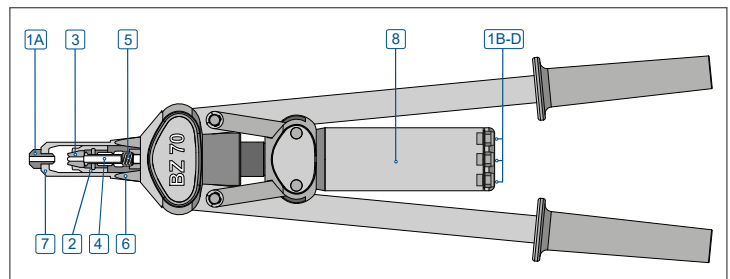
Safely packed

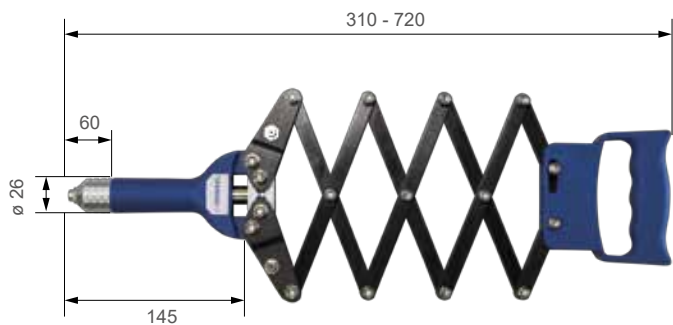
Nose pieces on mandrel container

Reliable even with large diameters

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 / 8,0 mm
2	311070000008	Clamping sleeve
3	311070000006	Clamping jaws
4	311070000009	Guide sleeve
5	311070000010	Pressure spring
6	311070000011	Lock nut
7	311070000005	Front sleeve
8	311070000007	Mandrel collector
321120000511		Facade nose piece 5,0 mm, head 11,0 mm
321120000514		Facade nose piece 5,0 mm, head 14,0 mm
321120000516		Facade nose piece 5,0 mm, head 16,0 mm





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

2.0 kg	Carton	3.8 mm
11 mm	incl. 5 nose pieces	Special nose pieces on request.

Item no. 310058000000



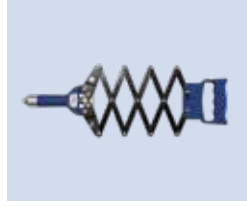
Replaceable nose pieces screwed into the tool.



Simple handling



Comfortable and durable



Very good power transmission



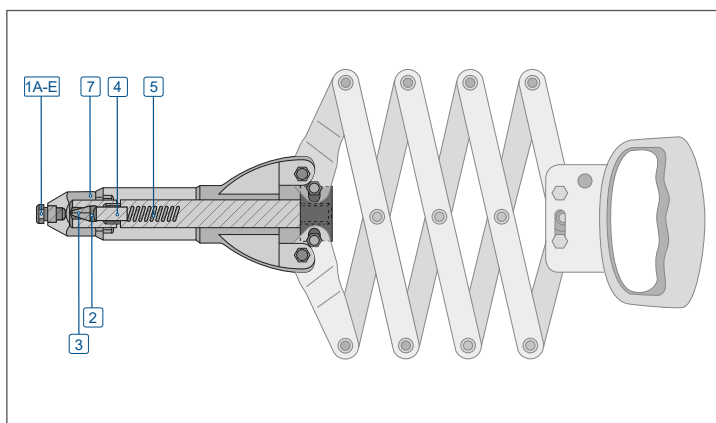
Outstandingly suited to the setting of blind rivets in floor areas.

Fast, safe and ergonomically convenient even with larger quantities.



BZ 58 spare parts

No.	Item no.	Spare part
1A	311100000123	Nose piece 3,0/3,2 mm
1B	311100000124	Nose piece 4,0 mm
1C	311100000125	Nose piece 4,8/5,0 mm
1D	311500000126	Nose piece 6,0 mm
1E	311500000127	Nose piece 6,4/8,0 mm
2	311500000004	Clamping sleeve
3	311500000005	Clamping jaws
4	311500000006	Guide sleeve
5	311500000007	Pressure spring
7	311058002006	Front sleeve

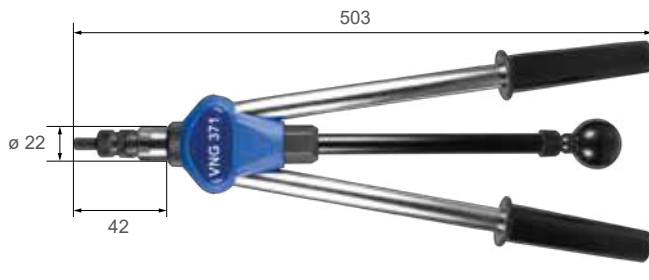


You can also use our interactive ProductViewer on www.honsel.de to quickly search for the correct spare part.

BZ 58

VNG 371

Manual riveting tool for blind rivet nuts and studs



M3	M4	M5	M6	M8	M10	M12
		Aluminium				
		Steel				
		Stainless steel				



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



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 studs M5, M6, M8

Item no. 310371000000

Quick-change system for threaded mandrels

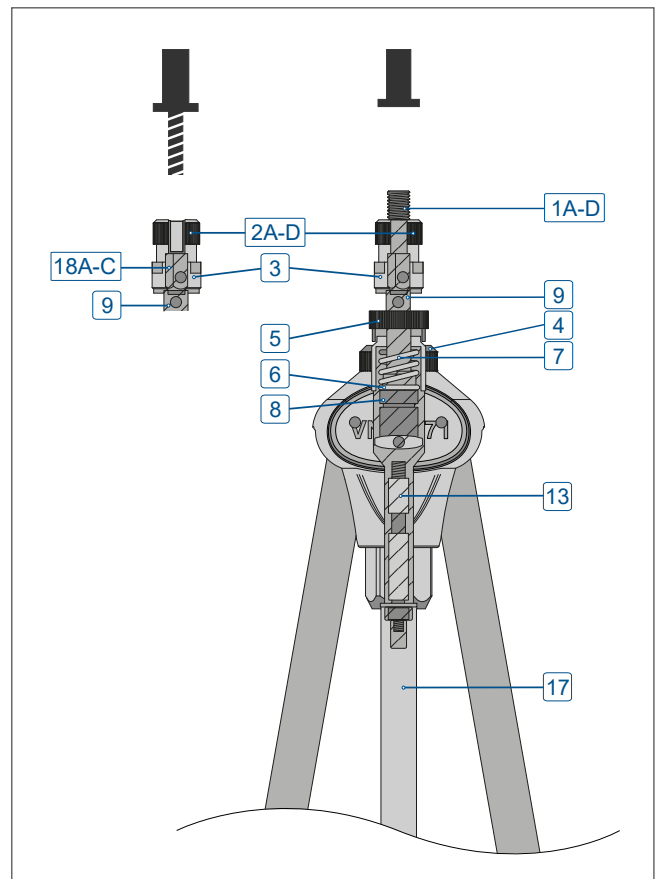


Easy unscrewing thanks to threaded rod



VNG 371 spare parts

No.	Item no.	Spare part
1A	311371000005	Mandrel M5
1B	311371000006	Mandrel M6
1C	311371000007	Mandrel M8
1D	311371000008	Mandrel M10
2A	311371000001	Nose piece M5
2B	311371000002	Nose piece M6
2C	311371000003	Nose piece M8
2D	311371000004	Nose piece M10
3	311371000012	Lock nut nose piece
4	311371000013	Stroke adjusting cap
5	311371000015	Plastic knurled nut
6	311371000014	O-ring 19,0 x 1,5
7	311371000016	Pressure spring
8	311371000017	Housing tube
9	311371000025	Connection sleeve
13	311371000030	Feed rod
17	311371000020	Stranded rod
18A	311371000009	Threaded sleeve M5 RIFBOLT
18B	311371000010	Threaded sleeve M6 RIFBOLT
18C	311371000011	Threaded sleeve M8 RIFBOLT
311371000040		Mandrel M6 Folding blind rivet nuts
311371000041		Mandrel M8 Folding blind rivet nuts

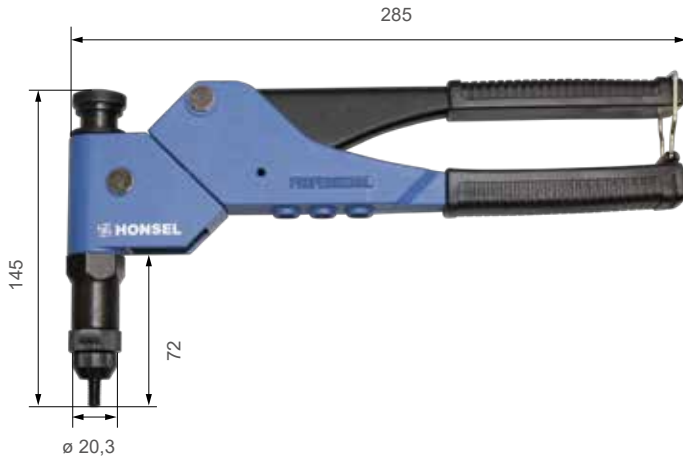


You can also use our interactive ProductViewer on www.honsel.de to quickly search for the correct spare part.



VNG 255

Manual riveting tool for blind rivet nuts and studs
Assortment included



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



	Steel						
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0.9 kg 325 x 250 x 50 mm Plastic case

Item no. 310255000000

The best-seller.

Sold 10,000 times



360° infinitely rotating head



Practically unlimited working positions



Universal and flexible in use!



VNG 255

25 x blind rivet nuts
UNIVERSAL **STEEL** M4
Small countersunk head
Grip range:
0.5–3.0 mm
Art. No.: 10870400000

25 x blind rivet nuts
UNIVERSAL **STEEL** M5
Small countersunk head
Grip range:
0.5–3.0 mm
Art. No.: 10870500000

50 x blind rivet nuts
UNIVERSAL **STEEL** M6
Small countersunk head
Grip range:
0.5–3.0 mm
Art. No.: 10870600000

25 x blind rivet studs
RIFBOLT® **STEEL** M4
Dome head
Grip range:
0.3–2.0 mm
Art. No.: 10880042010

25 x blind rivet studs
RIFBOLT® **STEEL** M5 dome head
Grip range:
0.5–2.0 mm
Art. No.: 10880052010

150 blind rivet nuts and studs



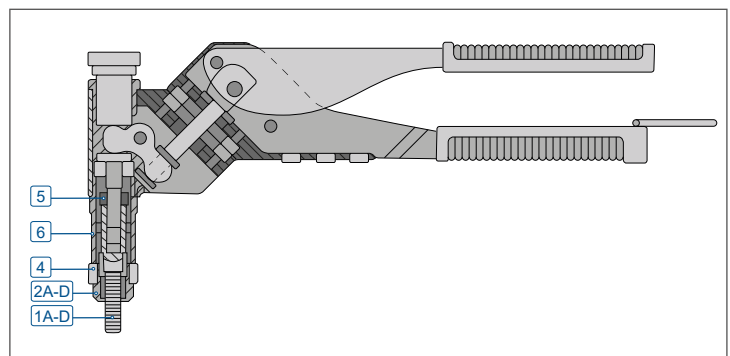
VNG 255 in assortment box

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 M4/M5 RIFBOLT® blind rivet studs, 1x open-jaw wrench each WAF 22/WAF 24 and WAF 6 Allen key.

VNG 255 spare parts

No.	Item no.	Spare part
1A	311800000030	Mandrel M3
1B	311800000040	Mandrel M4
1C	311800000050	Mandrel M5
1D	311800000060	Mandrel M6
2A	311800000203	Nose piece M3
2B	311800000204	Nose piece M4
2C	311800000205	Nose piece M5
2D	311800000206	Nose piece M6
4	321801000074	Lock nutM18x1
5	321801000075	Lock nutM8x1
6	311255000020	Front sleeve

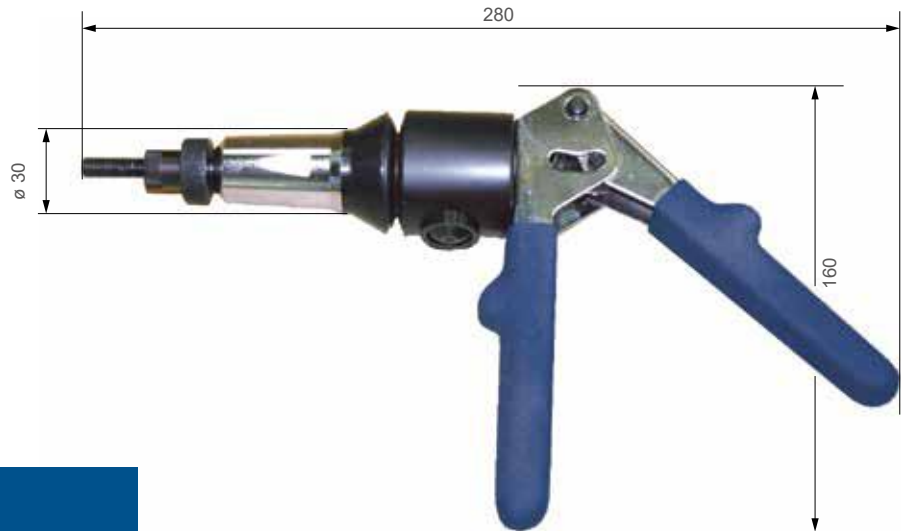
321800001004	Threaded sleeve M4 RIFBOLT
321800001005	Threaded sleeve M5 RIFBOLT



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

VNG 152

Manual riveting tool for blind rivet nuts and studs
with hydraulics



With hydraulics!



Working without great effort



	M3	M4	M5	M6	M8	M10	M12
Aluminium	[Red bar]						
Steel	[Blue bar]						
Stainless steel	[Green bar]						



Steel	[Blue bar]						
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0.6 kg



290 x 195 x 54 mm



Plastic case

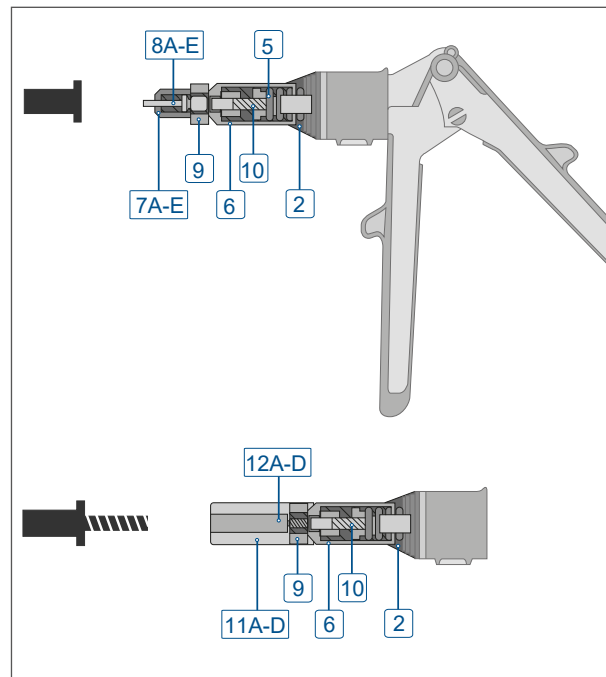


1 conversion kit each for M3, M4, M5, M6 and M8 for blind rivet nuts, M4, M5, M6 and M8 for RIFBOLT® blind rivet studs

VNG 152 spare parts

No.	Item no.	Spare part
2	31115100009	Housing cover
5	31115100010	Pressure spring
6	31115100001	Front sleeve
7A	311151002003	Nose piece M3 Blind rivet nuts
7B	311151002004	Nose piece M4 Blind rivet nuts
7C	311151002005	Nose piece M5 Blind rivet nuts
7D	311151002006	Nose piece M6 Blind rivet nuts
7E	311151002008	Nose piece M8 Blind rivet nuts
8A	311151003003	Mandrel M3 Blind rivet nuts
8B	311151003004	Mandrel M4 Blind rivet nuts
8C	311151003005	Mandrel M5 Blind rivet nuts
8D	311151003006	Mandrel M6 Blind rivet nuts
8E	311151003008	Mandrel M8 Blind rivet nuts
9	31115100008	Adapter for nose piece
10	31115100007	Adapter for mandrel
11A	311151007004	Nose piece M4 RIFBOLTS
11B	311151007005	Nose piece M5 RIFBOLTS
11C	311151007006	Nose piece M6 RIFBOLTS
11D	311151007008	Nose piece M8 RIFBOLTS
12A	311151004004	Threaded sleeve M4 RIFBOLTS
12B	311151004005	Threaded sleeve M5 RIFBOLTS
12C	311151004006	Threaded sleeve M6 RIFBOLTS
12D	311151004008	Threaded sleeve M8 RIFBOLTS

Item no. 310152000000



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



Smooth

Blind rivet nuts up to **M12**

ratchet mechanism



VNG 612N



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



		Steel				
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1.1 kg



325 x 250 x 50 mm



Case in aluminium look

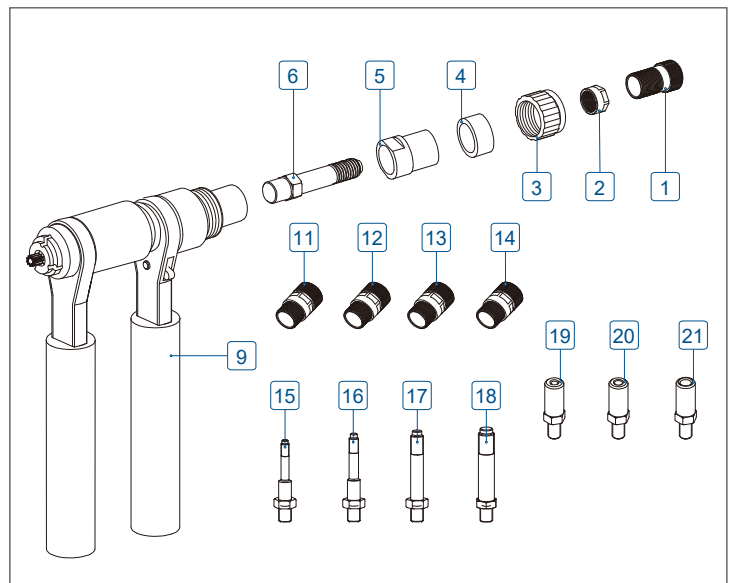


5 conversion kits for M5–M12 blind rivet nuts,
1 conversion kit for RIFBOLT® M5–M8 blind rivet studs

Item no. 31061200000

VNG 612N spare parts

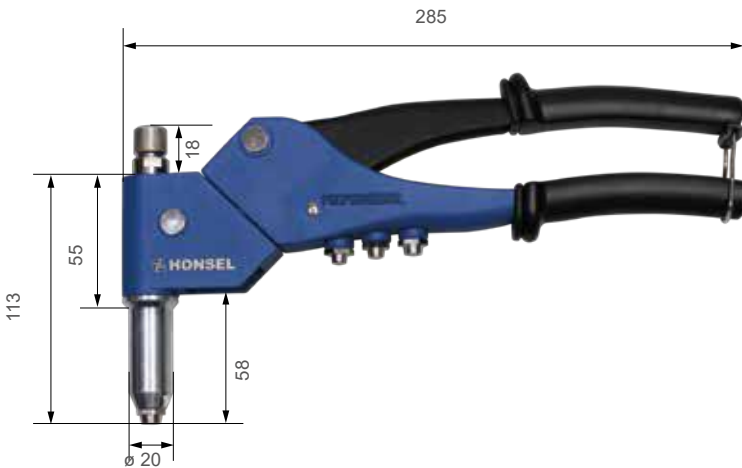
No.	Item no.	Spare part
2	311612000021-0-2	Lock nut
3	311612000010-0-2	Rubber ring
4	311612000018-0-2	Gumming
5	311612000020-0-2	Nosepiece holder
9	311612000016-0-2	Black handle
11	311612000305-0-2	Nose piece M5
12	311612000306-0-2	Nose piece M6
13	311612000308-0-2	Nose piece M8
14	311612000310-0-2	Nose piece M10
1	311612000312-0-2	Nose piece M12
15	311612000050-0-2	Mandrel M5
16	311612000060-0-2	Mandrel M6
17	311612000080-0-2	Mandrel M8
18	311612000100-0-2	Mandrel M10
6	311612000120-0-2	Mandrel M12
19	311612000205-0-2	Threaded sleeve M5
20	311612000206-0-2	Threaded sleeve M6
21	311612000210-0-2	Threaded sleeve M8



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

MULTI 1

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



Complete accessories for all blind rivet products



Thanks to the infinite 360° rotation of the head, practically any setting position can be easily reached.



MULTI 1



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

0.56 kg 360 x 185 x 50 mm Plastic case

- 1x each nose piece 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 studs
- 1x open-jaw wrench each for WAF 15/19, WAF 21/17 and WAF 5/8



	M3	M4	M5	M6	M8	M10	M12
Aluminium							
Steel							

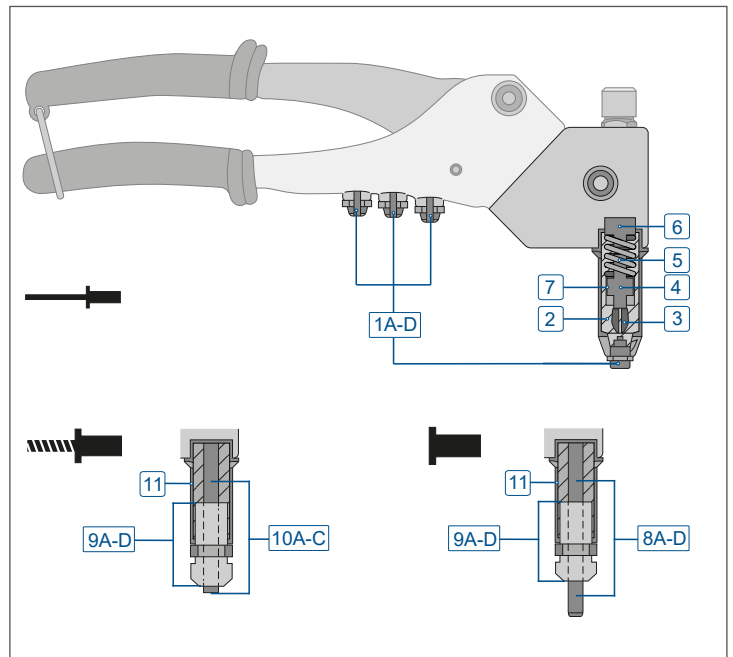


Steel							
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Item no. 31010000000

MULTI 1 spare parts

No.	Item no.	Spare part
1A	311100000240	Nose piece 2,4 mm
1B	311100000123	Nose piece 3,0/3,2 mm
1C	311100000124	Nose piece 4,0 mm
1D	311100000125	Nose piece 4,8/5,0 mm
4	311100000025	Clamping sleeve
3	311100000026	Clamping jaws
4	311100000021	Guide sleeve
5	311100000022	Pressure spring
6	311100000023	Clamping screw
7	311100000019	Front sleeve blind rivet
8A	311100003003	Mandrel M3
8B	311100003004	Mandrel M4
8C	311100003005	Mandrel M5
8D	311100003006	Mandrel M6
9A	311100002003	Nose piece M3
9B	311100002004	Nose piece M4
9C	311100002005	Nose piece M5
9D	311100002006	Nose piece M6
10A	311100004004	Threaded sleeve RIFBOLT M4
10B	311100004005	Threaded sleeve RIFBOLT M5
10C	311100004006	Threaded sleeve RIFBOLT M6
11	311100000119	Front sleeve blind rivet nut



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



Complete accessories for all blind rivet products



Compact transport form



Assortment with 225 blind rivets, 825 blind rivet nuts, 375 blind rivet studs available



MULTI 5



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

1.9 kg 385 x 240 x 55 mm Plastic case

- 1x each nose piece 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 studs



	M3	M4	M5	M6	M8	M10	M12
Aluminium		[Available]					
Steel		[Available]					



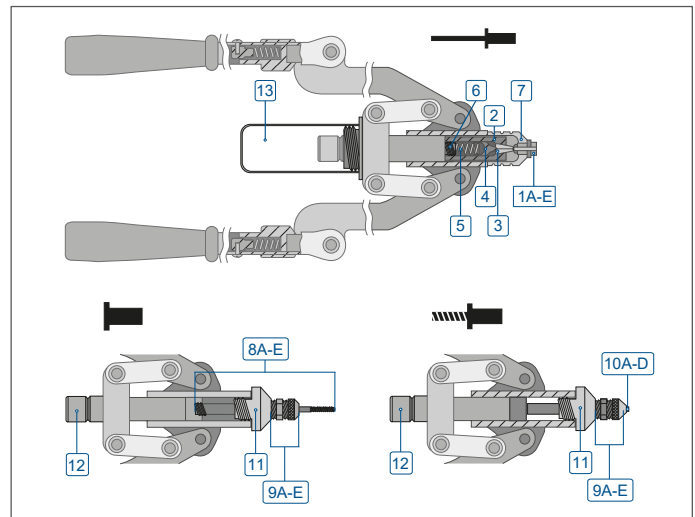
Steel	[Available]						
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Item no. 310500000000

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

MULTI 5 spare parts

No.	Item no.	Spare part
1A	311100000123	Nose piece 3,0/3,2 mm
1B	311100000124	Nose piece 4,0 mm
1C	311100000125	Nose piece 4,8/5,0 mm
1D	311500000126	Nose piece 6,0 mm
1E	311500000127	Nose piece 6,4/8,0 mm
2	311500000004	Clamping sleeve
3	311500000005	Clamping jaws
4	311500000006	Guide sleeve
5	311500000007	Pressure spring
6	311500000008	Clamping screw
7	311500000003	Front sleeve blind rivet
8A	311100003004	Mandrel M4
8B	311100003005	Mandrel M5
8C	311100003006	Mandrel M6
8D	311500003008	Mandrel M8
8E	311500003010	Mandrel M10
9A	311100002004	Nose piece M4
9B	311100002005	Nose piece M5
9C	311100002006	Nose piece M6
9D	311500002008	Nose piece M8
9E	311500002010	Nose piece M10



No.	Item no.	Spare part
10A	311100004004	Threaded sleeve M4 RIFBOLT
10B	311100004005	Threaded sleeve M5 RIFBOLT
10C	311100004006	Threaded sleeve M6 RIFBOLT
10D	311500004008	Threaded sleeve M8 RIFBOLT
11	311500000025	Front sleeve blind rivet nut
12	311500000009	Feed rod
13	311500000010	Mandrel collector

HONSEL battery riveters



Battery riveter

<p>MADE IN GERMANY</p>	<p>Process monitoring available</p>	<p>Complete private label solutions</p>	<p>Automation integration</p>
<p>Fast maintenance. Comprehensive service.</p>	<p>Extensive range of special accessories available from stock</p>	<p>Original HONSEL spare parts</p>	<p>Individual adaptations are possible.</p>

We believe in battery riveting technology.

The focus of our work for more than 10 years has been on the development of the latest cordless riveting tools for professional use. **The entire process lies in the hands of HONSEL: From the design, optimised down to the last detail, to the programming of the electronics and assembly at our site in Neumünster.**

The extensive range of standard tools as well as the individual special solutions for industry or development partners are based on the highest technical standards and the know-how from more than 30 years in the processing of blind rivet elements.

New from 2023: HONSEL is a member of the new cross-brand battery alliance **AMPShare – powered by BOSCH**, thus guaranteeing worldwide battery availability and state-of-the-art technology.

Made by HONSEL.



HONSEL battery riveters

Rivdom eBZ ZERO

Extremely small and light.

For blind rivets up to 4.0 mm.
▶ page 40



Rivdom eBZ 1

Compact with unrivalled speed.



Powered by
 BOSCH

For blind rivets up to 5.0 mm.
▶ page 44



Rivsmart eBZ ZERO S

Innovative and intelligent.

For blind rivets up to 4.0 mm.
▶ page 64
Detailed information on the process monitoring options. ▶ page 104



Rivdom ONE

The reliable basis.

For blind rivets up to 5.0 mm.
▶ page 60



Rivdom eBZ 2 FERRO

Powerful

For blind rivets from 4.8 to 6.4 mm.
Optimised for high-strength blind rivets! ▶ page 52



Rivdom eBZ 3

MAXIMUM POWER

For high-strength blind rivets with grooved stud up to 8.0 mm diameter. ▶ page 54



Rivdom eBZ SF

Specialists

With adapter systems for clamping mechanisms from other suppliers.
▶ page 58



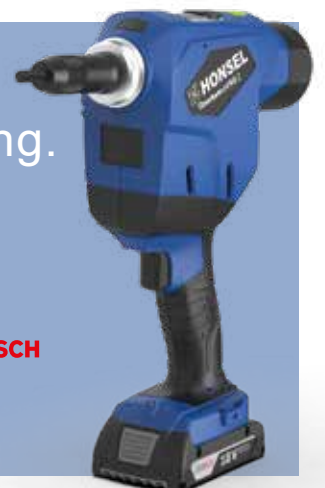
Rivdom eVNG 2

Uncompromising.
Universal.
Perfect.



Powered by
 BOSCH

For blind rivet nuts and bolts!
▶ page 68



HONSEL battery riveters



Powered by



Battery riveter

Power for professionals: AMPShare is the shared battery system that allows you to use a wide range of tools from several professional brands with just one battery – thanks to the leading battery technology of Bosch Professional.

With innovative cordless devices “Made in Germany” for the professional user.

Our battery tools offer the power of a pneumatic riveter, only more compact, more flexible and without trailing hoses. At the same time, new standards are constantly being defined on the market through continuous development.

Compatible since 2008: All Bosch Professional 18V/AMPShare Systems batteries can be used with new and existing Bosch Professional tools of the same voltage class.

Enormous benefit for the user: All Bosch Professional batteries purchased since 2008 – that’s more than 80 million batteries – remain compatible. They can continue to be used in all Bosch professional tools – and in future also in all tools from the AmpShare alliance.



eBZ1

eVNG2



**BOSCH AMPShare battery
GBA 18V 2,0 AH**

COOLPACK 1.0 improves the heat dissipation of the battery from the inside to the outside for a longer service life and operating time.
400 g



**BOSCH AMPShare battery
PROCORE 18V 4,0 AH**

Optimised size, minimum weight and new cell technology. 135 % longer service life than standard batteries thanks to the COOLPACK 2.0 technology.
520 g



**BOSCH AMPShare Charger
GAL 18V-40 Professional**

Charging time GBA 18V 2.0 Ah
80 % – 24 min | 100 % – 35 min

Charging time PROCORE 18V 4.0 Ah
80 % – 48 min | 100 % – 65 min



Future-oriented battery management

RivdomPLUS charging technology – the proven energy supplier for HONSEL battery riveters for years. **Still available** in the future and the standard for many tools in the family.

The powerful HONSEL Li ion 2.0 Ah batteries are fully charged in less than 30 minutes. A 90 % charge is already reached after approx. 20 minutes!

The charging cycle is thus always shorter than the consumed working time!

All RivdomPLUS batteries have a **visual state-of-charge indicator** and are characterised by a sturdy, lightweight design and long service life.

For industrial users we have practical multiple charging stations with interchangeable adapter system – suitable for RivdomPLUS batteries and AMPShare – Powered by BOSCH. Adapters for other manufacturers' batteries on request.



Battery riveter



eBZ ZERO
eBZ ZERO S



eBZ 2
eBZ 3



RivdomONE



RivdomPLUS 2.0 Ah batteries

The HONSEL standard battery matched to the respective tool as 12 V (236 g), 16 V (341 g) or 20 V version (365 g).



RivdomPLUS 4.0 Ah batteries

Available as an accessory – the powerful RivdomPLUS version for even longer working cycles. Available as a 12 V (258 g), 16 V (549 g) or 20 V (633 g) version.



RivdomPLUS 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.

HONSEL battery riveters

HONSEL battery riveters of the 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.



Private Label

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 work easy for you.

Battery riveter

Maximum comfort

thanks to rotation trigger with very low trigger force and short trigger stroke.

L-BOXX®

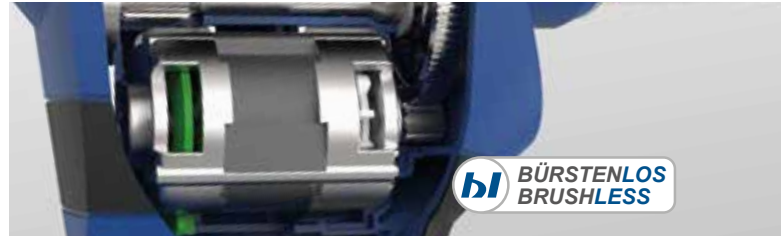
The innovative system packaging

Compatible with all L-Boxxes from other manufacturers.



Outstanding ergonomics

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



State-of-the-art motor technology

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.

Individual return setting

Saves time. Less wear. Process reliability.

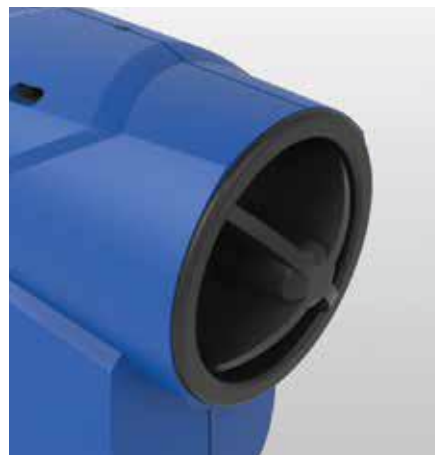
When using **manual return mode**, the trigger has to remain pressed until the rivet is sheared. When the trigger is released, the tool moves back to the front starting position.

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 rivet setting process. 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)

Safety

thanks to integrated mandrel holder



Always at hand.

Practical belt clip



S

Sturdy, transparent mandrel container
Different sizes as options



L



L+



XL+



At a glance

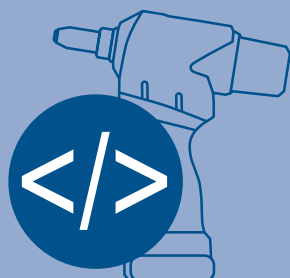
LED-illuminated riveting point



Practical

Hanger bracket for balancer

Battery riveter



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.



Quick-release mechanism

No more than one open-jaw wrench for maintenance!

Tidy.

Plastic box for nose pieces and threaded mandrels.

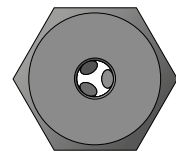


HONSEL battery riveters



Pulse technology


The pretension of the HONSEL retention nose pieces ensures that sheared rivet mandrels are “automatically” pushed into the mandrel container by the following mandrel – **tilting of the tool is therefore not necessary**, the riveting process is accelerated and the elimination of the tilting movement relieves the user.



Battery riveter

Retention nose pieces

Retention nose pieces available as options ensure that the rivet **does not fall out of the tool** before the setting process even when working in a vertical position. The mandrel is held before, during and after the setting process so that one hand remains free, e.g. to hold the part. Even after the setting process, the sheared mandrel remains in the tool and does not drop into the part.

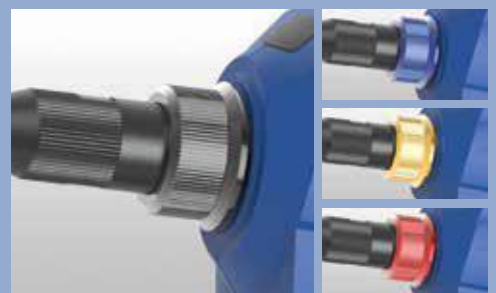
ONLINE-CHECK-IN

Take advantage of the opportunity to register and speed up repairs and maintenance on our website in advance!

Marking



The union nut is available in different colours to identify the application, workplace or employee. In addition, a plate for marking the field of application that can be fitted like the belt clip is available as an accessory. Both are a perfect complement to pick-by-light systems.





Extended front sleeves

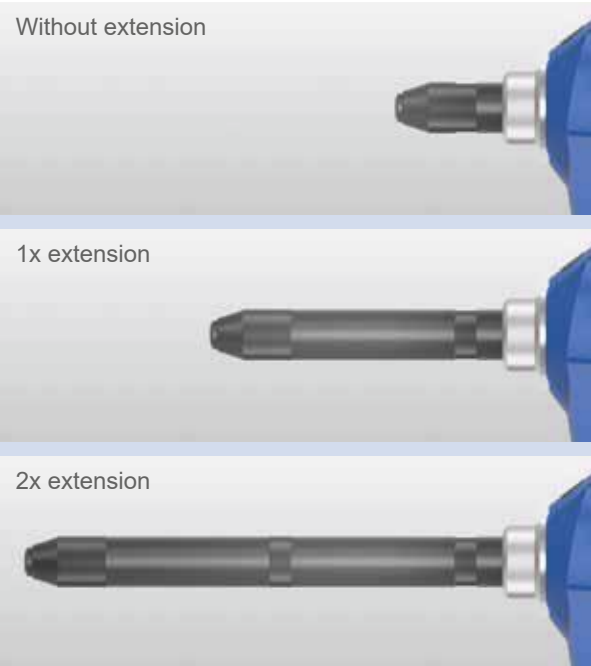
Drill holes are often so deep in parts that even extended nose pieces are not sufficient to reach them. For these applications, **extended front sleeves** with correspondingly modified clamping mechanisms are available for most HONSEL battery riveters. As with the standard sleeves, these are very narrow so that even the most confined installation situations can be reached.

Standard blind rivets can nevertheless be used. Versions with extended mandrel are not necessary!

Without extension

1x extension

2x extension



Angle riveting head

In order to be able to set blind rivets in hard-to-reach or particularly confined working areas, different **angular riveting heads**, with or without mandrel container, are available on request.

These are delivered preset to the desired position. Ask us!



Battery riveter

Special nose pieces

Apart from special nose pieces immediately available from stock, for example for the processing of large dome head blind rivets in façade construction, extended nose pieces for recessed riveting points or special nose pieces for high-strength blind rivets, we also produce solutions for individual applications.



RIVDOM® eBZ ZERO

Battery-powered setting tool for blind rivets



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



Rivdom eBZ ZERO

Extremely small and light.

Optimised and specially designed for all blind rivet sizes up to 4.0 mm diameter.

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** (incl. 2.0 Ah battery!) guarantee the highest level of comfort!



Illustration with one battery

Scope of supply

- 1x Rivdom eBZ ZERO battery riveter with brushless motor
- 1x HONSEL L-Boxx®
- 12 V/2.0 Ah Li ion battery with visual state-of-charge indicator (number depending on variant)
- 1x Rivdom-PLUS quick-charger
- 3x standard nose pieces in box
- 1x mandrel container "S"
- 1x each belt clip, hanger bracket and cover cap



TOOL-FREE MAINTENANCE

Clamping jaws and nose pieces can be replaced quickly and easily on the spot.

Weight 1,300 g 1,000 g without battery	6,800 N Setting force	20 mm Stroke	For blind rivets up to 4.0 mm diameter
> 100 Standard and special accessories immediately available from stock	> 1,000 Fasteners per 2.0 Ah battery charge	195 mm Length without mandrel container	20 minutes Charging time for 90 % charge Fully charged < 30 minutes

Rivdom eBZ ZERO

Working range

	2,0	2,4	3,0	3,2	4,0	4,8	5,0	6,0	6,4
optional Aluminium						optional			
optional Steel									
optional Stainless steel							*		
optional Copper alloys									

max. 3.4 mm * with original HONSEL ALFO® FLEX

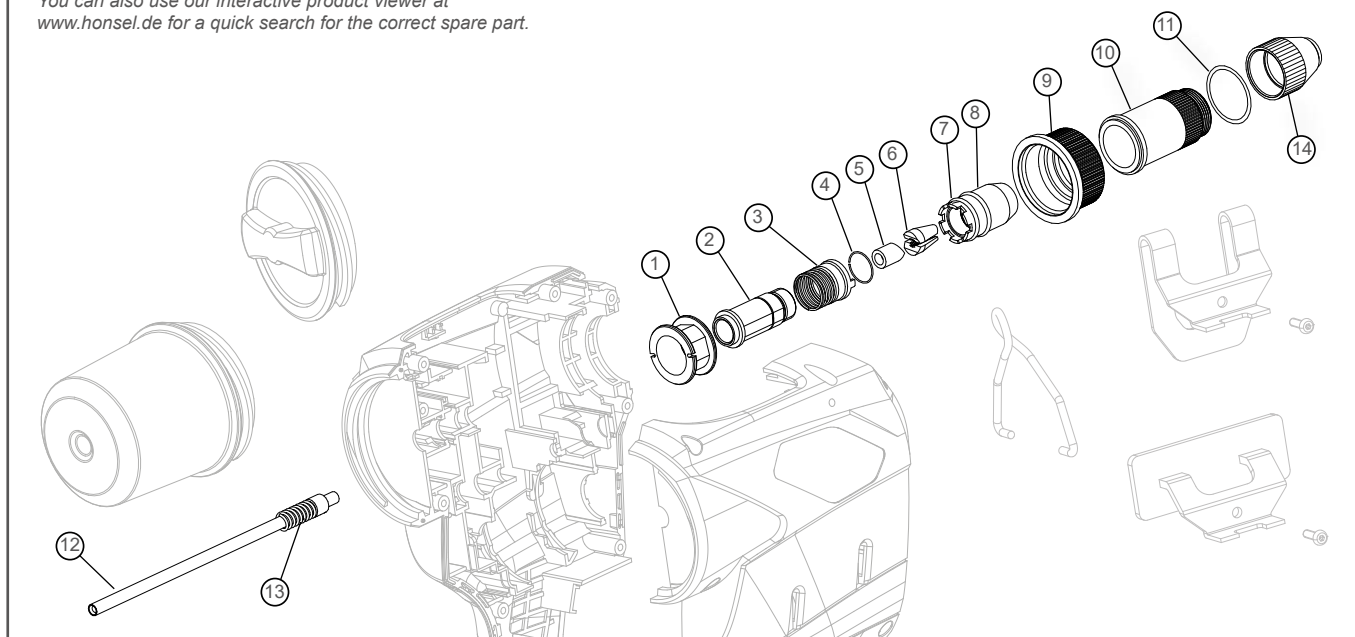
Family facts on the HONSEL battery riveters on ► page 34 - 37.



RIVDOM® eBZ ZERO

Accessories and spare parts

You can also use our interactive product viewer at www.honsel.de for a quick search for the correct spare part.



Spare and wear parts

1	32120000020	Dummy-Sensoring
2	32120000054	Spacer
3	32120000055	Quick release ring + spring
4	32120000056	Quick release c-ring
5	32120000017	Guide sleeve (various Ø)
6	31100200132	Clamping jaws (1 set = 2 pcs.)
7	32120000010	O-Ring 14 x 1.0
8	32120000016	Clamping sleeve
9	32120000018	Union ring (silver)
10	32120000015	Front sleeve incl. O-Ring
11	32120000019	O-Ring 14 x 1.0
12	32120000049	Mandrel discharge tube (various Ø)
13	32120000014	Pressure spring

Standard nose pieces

14A	321200000121	Standard nose piece 2.0 mm
14B	321200000122	Standard nose piece 2.4 mm
14C	321200000123	Standard nose piece 3.0/3.2 mm
14D	321200000124	Standard nose piece 4.0 mm

Accessories

32120000021	Li-Ion RivdomPLUS battery 12V/2,0Ah
32120000022	Li-Ion RivdomPLUS battery 12V/4,0Ah
32150000001	Universal quick charger 220 V (12 V/16 V/20 V)
32150000003	Multiple charging station
32150000004	Adapter multiple charging station for 1 x RivdomPLUS battery

32120000031	Mandrel container S (5.5 cm)
321300100031	Mandrel container L (8.0 cm)
321401000030	Mandrel container L+ (8.0 cm)
321501000030	Mandrel container XL+ (11.0 cm)
32120000018	Union ring (blue)
32120000018	Union ring (gold)
32120000018	Union ring (red)
32120000018	Union ring (black)
32120000029	Hanger
32120000006	Belt clip
32120000005	Name plate
321401000004	Cover cap

Special nose pieces

For recessed riveting points

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



Extended nose pieces 7.0 mm



321200932070	Extended nose piece (7 mm) 3.0/3.2 mm
321200940070	Extended nose piece (7 mm) 4.0 mm

Extended nose pieces 20.0 mm



321200932200	Extended nose piece (20 mm) 3.0/3.2 mm
321200940200	Extended nose piece (20 mm) 4.0 mm

For 4.0 mm large dome head blind rivets

Further information on the function,



321200000416	Facade nose piece head 16.0 mm
321200000424	Facade nose piece head 24.0 mm

i Special nose pieces for specific customer applications can be produced at short notice.

Extended front sleeves




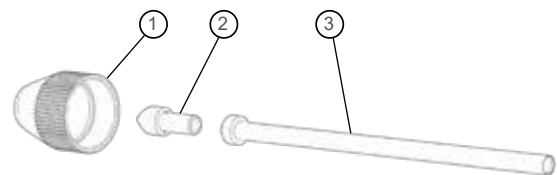
For particularly deep riveting points. Setting of standard blind rivets.

Icon	Item no.	Designation
	321200000072-0-1	1x Extension piece 80 mm without mandrel discharge tube
≤1,7	321200000072-01-4	1x Extension piece 80 mm and mandrel discharge tube
≤2,2	321200000072-01-3	1x Extension piece 80 mm and mandrel discharge tube
≤2,7	321200000072-01-2	1x Extension piece 80 mm and mandrel discharge tube
≤1,7	321200000072-02-4	2x Extension piece 80 mm and mandrel discharge tube
≤2,2	321200000072-02-3	2x Extension piece 80 mm and mandrel discharge tube
≤2,7	321200000072-02-2	2x Extension piece 80 mm and mandrel discharge tube

1x extension 80 mm = sleeve length 120 mm, total tool length 204 mm
2x extension 80 mm = sleeve length 200 mm, total tool length 284 mm

Retention nose pieces

To ensure optimum riveting with HONSEL retention nose pieces, we recommend the use of the guide sleeves and stud discharge tubes matching the respective STUD DIAMETER ().



Icon	No.	Item no.	Designation
		321200000224-0-1	SET from position 1, 2 and 3
≤1,7	1	321200000132-01-1	Retention nose piece 2.4/3.2 mm
	2	321200000017-0-4	Guide sleeve
	3	321200000049-0-4	Mandrel discharge tube

Icon	No.	Item no.	Designation
		321200000240-0-1	SET from position 1, 2 and 3
≤2,7	1	321200000136-01-1	Retention nose piece 4.0 mm
	2	321200000017-0-2	Guide sleeve
	3	321200000049-0-2	Mandrel discharge tube

Icon	No.	Item no.	Designation
		321200000232-0-1	SET from position 1, 2 and 3
≤2,2	1	321200000134-01-1	Retention nose piece 3.0/3.2 mm
	2	321200000017-0-3	Guide sleeve
	3	321200000049-0-3	Mandrel discharge tube

Extended retention nose pieces 7.0 mm

Icon	Item no.	Designation
≤1,7	321200924070-01-1	Extended retention nose piece (7 mm) 2.4 mm
≤2,2	321200932070-01-1	Extended retention nose piece (7 mm) 3.0/3.2 mm
≤2,7	321200940070-01-1	Extended retention nose piece (7 mm) 4.0 mm

Order matching guide sleeve and stud discharge tube at the same time (please refer to items 2 + 3 in the tables opposite).

RIVDOM® eBZ 1

Battery-powered setting tool for blind rivets



Even more compact without mandrel container – reliable riveting even in confined installation situations.

Clear status displays



Powered by



Rivdom eBZ 1

Now with AMPShare power for professionals.
AMPShare is the shared battery system that allows you to use a wide range of tools from several professional brands with just one battery – thanks to the leading battery technology of Bosch Professional.



Compatible since 2008 – more than 80 million batteries!

All Bosch Professional 18V/AMPShare Systems batteries can be used with new and existing Bosch Professional tools and, in future, also in all AmpShare alliance tools of the same voltage class.

Rivdom eBZ 1

Compact and extremely fast.



Developed, designed and produced by HONSEL. Rivdom eBZ 1 is at home wherever large numbers of rivets have to be set in the shortest possible time. The ideal tool for industrial series production. With a pure setting time of less than one second, it is possible to set 30 blind rivets in 60 seconds. This makes Rivdom eBZ 1 twice as fast as comparable tools and saves measurable working time every day.

Scope of supply

- 1x Rivdom eBZ 1 battery riveter with brushless motor
 - 4x standard nose pieces in box
 - 1x mandrel container "L"
 - 1x each belt clip, hanger bracket and cover cap
- Versions according to the table below:
- AMPShare 18V 2.0 Ah GBA Li ion battery
 - AMPShare GAL 18V-40 quick-charger
 - Delivery in HONSEL L-Boxx® or carton

Item no.	eBZ 1	Battery	Charger	L-Boxx	Carton
320421000000-010-1	x	1x	x	x	
320421000000-020-1	x	2x	x	x	
320421000000-099-1	x			x	
320421000000-199-1	x				x



Wear-free.

Sturdy, innovative BLDC motor for maximum service lives.

Weight 1,600 g 1,235 g without battery	10,000 N Setting force	25 mm Stroke	For blind rivets up to 5.0 mm diameter
Setting process < 1 second 30 rivets in one minute possible	> 1,200 Fasteners per 2.0 Ah battery charge	210 mm Length without mandrel container	24 minutes Charging time for 80 % charge Fully charged in 35 minutes (2.0 Ah)

Working range

	2,4	3,0	3,2	4,0	4,8	5,0	6,0	6,4	8,0
Aluminium							optional		
Steel									
Stainless steel									
Copper alloys									

 max. 3.4 mm



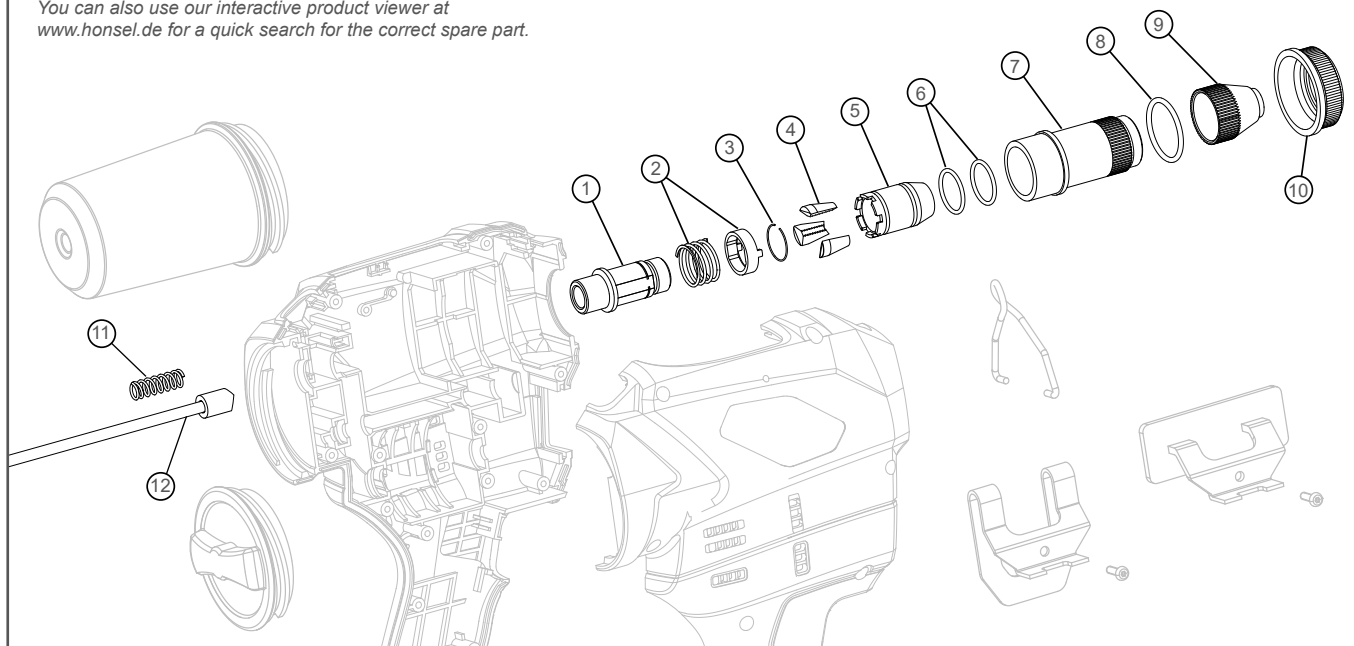
Family facts on the HONSEL battery riveters on ► page 34 - 37.



RIVDOM® eBZ 1

Accessories and spare parts

You can also use our interactive product viewer at www.honsel.de for a quick search for the correct spare part.



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
6	321121000045	O-Ring 16 x 1.5
7	321420000015	Front sleeve incl. O-Ring
8	321420000019	O-Ring 23 x 2.0
10	321420000018	Union ring (silver)
11	321420000014	Pressure spring
12	321420000049	Guide sleeve wit mandrel discharge tube (various Ø)

Standard nose pieces

9A	321420000122	Standard nose piece 2.4 mm
9B	321420000123	Standard nose piece 3.0/3.2 mm
9C	321420000124	Standard nose piece 4.0 mm
9D	321420000125	Standard nose piece 4.8/5.0 mm

Accessories

321500000010	AMPShare Starter Set (2 x 2.0Ah, 1 AMPShare quick charger) - EU
321500000011	AMPShare Starter Set (1 x 2.0Ah, 1x4.0Ah, 1 AMPShare quick charger) - EU
321500000012	AMPShare Starter Set (2 x 4.0Ah, 1 AMPShare quick charger) - EU
321500000005	AMPShare Quick Charger GAL 18V-40 (EU)
321500000024	AMPShare 18V 2.0 AH GBA Li-Ion battery (EU)
321500000025	AMPShare 18V 4.0 AH ProCore Li-Ion battery (EU)

320420000100	Rivdom eBZ 1 with angular rivet head 0°
320420000101	Rivdom eBZ 1 with angular rivet head 90°
320420000102	Rivdom eBZ 1 with angular rivet head 180°
320420000103	Rivdom eBZ 1 with angular rivet head 270°

321200000031	Mandrel container S (5.5 cm)
321300100031	Mandrel container L (8.0 cm)
321401000030	Mandrel container L+ (8.0 cm)
321501000030	Mandrel container XL+ (11.0 cm)
321420000018	Union ring (blue)
321420000018	Union ring (gold)
321420000018	Union ring (red)
321420000018	Union ring (black)
321200000029	Hanger
321200000006	Belt clip
321200000005	Name plate
321401000004	Cover cap

Special nose pieces with retainer function

For recessed riveting points

Extended retention nose pieces 5.0 mm



321420924050	Verl. Rückhaltemundstück (5 mm) 2,4 mm
321420932050	Verl. Rückhaltemundstück (5 mm) 3,0/3,2 mm
321420940050	Verl. Rückhaltemundstück (5 mm) 4,0 mm
321420950050	Verl. Rückhaltemundstück (5 mm) 4,8/5,0 mm

Extended retention nose pieces 20.0 mm



321420924200	Verl. Rückhaltemundstück (20 mm) 2,4 mm
321420932200	Verl. Rückhaltemundstück (20 mm) 3,0/3,2 mm
321420940200	Verl. Rückhaltemundstück (20 mm) 4,0 mm
321420950200	Verl. Rückhaltemundstück (20 mm) 4,8/5,0 mm

i A stud discharge tube and guide sleeve matching the stud diameter is required. For Article No., see list of retention nose pieces at the bottom of this page.

For large dome head blind rivets



321420000424	Façade nose piece 4.0 mm to head 24 mm
321420000524	Façade nose piece 4.8/5.0 mm to head 24 mm

For FERRO® BOLT high-strength blind rivets



321420008401	Nose piece FERRO® BOLT 4.8 mm
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For folding blind rivets



321420716052	Folding rivet nose piece 5.2 mm
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Extended front sleeves




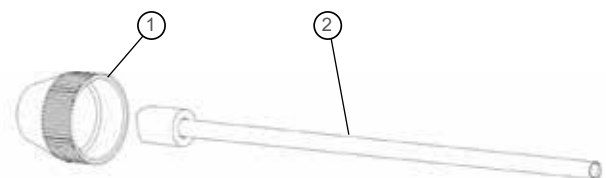
1x extension 80 mm =
sleeve length 120 mm, total tool length 204 mm
2x extension 80 mm =
sleeve length 200 mm, total tool length 284 mm

For particularly recessed riveting points. Setting of standard blind rivets.

Item no.	Designation
321420000072-1-1	1x Extension piece 80 mm without mandrel discharge tube
≤1,7 321420000072-01-4	1x Extension piece 80 mm and mandrel discharge tube
≤2,2 321420000072-01-3	1x Extension piece 80 mm and mandrel discharge tube
≤2,7 321420000072-01-2	1x Extension piece 80 mm and mandrel discharge tube
≤3,2 321420000072-01-1	1x Extension piece 80 mm and mandrel discharge tube
≤3,4 321420000072-01-5	1x Extension piece 80 mm and mandrel discharge tube
≤1,7 321420000072-02-4	2x Extension piece 80 mm and mandrel discharge tube
≤2,2 321420000072-02-3	2x Extension piece 80 mm and mandrel discharge tube
≤2,7 321420000072-02-2	2x Extension piece 80 mm and mandrel discharge tube
≤3,2 321420000072-02-1	2x Extension piece 80 mm and mandrel discharge tube
≤3,4 321420000072-02-5	2x Extension piece 80 mm and mandrel discharge tube

Retention nose pieces

To ensure optimum riveting with HONSEL retention nose pieces, we recommend the use of the stud discharge tubes (incl. guide sleeves) matching the respective STUD DIAMETER ().



No.	Item no.	Designation
	321420000224-0-1	SET from position 1 and 2
≤1,7 1	321420000132-01-1	Retention nose piece 2.4 mm
2	321420000049-0-4	Mandrel discharge tube and guide sleeve

No.	Item no.	Designation
	321420000240-0-1	SET from position 1 and 2
≤2,7 1	321420000136-01-1	Retention nose piece 4.0 mm
2	321420000049-0-2	Mandrel discharge tube and guide sleeve

No.	Item no.	Designation
	321420000232-0-1	SET from position 1 and 2
≤2,2 1	321420000134-01-1	Retention nose piece 3.0/3.2 mm
2	321420000049-0-3	Mandrel discharge tube and guide sleeve

No.	Item no.	Designation
	321420000250-0-1	SET from position 1 and 2
≤3,2 1	321420000138-01-1	Retention nose piece 4.8/5,0 mm
2	321420000049-0-1	Mandrel discharge tube and guide sleeve

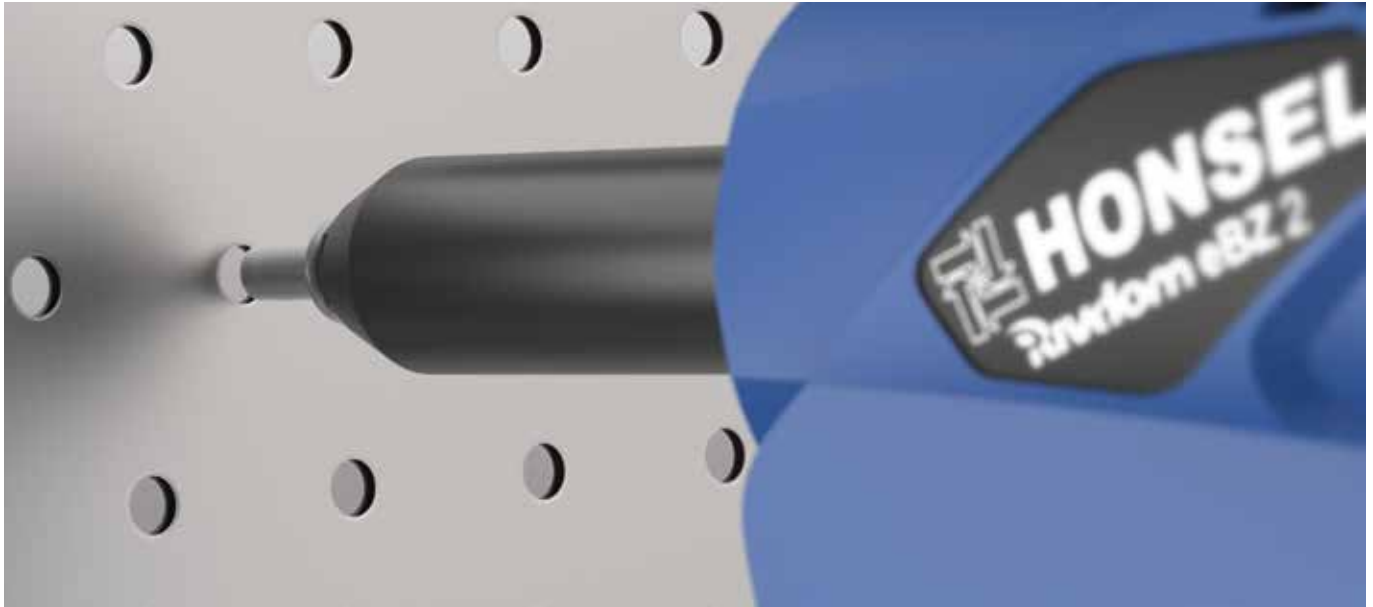


Illustration with two batteries

Rivdom eBZ 2

The power pack.

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

Uncompromisingly powerful.

Scope of supply

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

320502000000-010-1	Rivdom eBZ 2 - 1x Battery 20V (2.0 Ah)
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320502000000-020-1	Rivdom eBZ 2 - 2x Battery 20V (2.0 Ah)
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Weight 2,000 g 1,600 g without battery	20,000 N Setting force	30 mm Stroke	For blind rivets up to 6.4 mm diameter
Optional from 4.0 mm	> 1,100 Fasteners (ALFO® alu- minum/steel 6x10) per 2.0 Ah battery charge	242 mm Length without mandrel container	22 minutes Charging time for 90 % charge Fully charged < 30 minutes

Rivdom eBZ 2

Working range

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

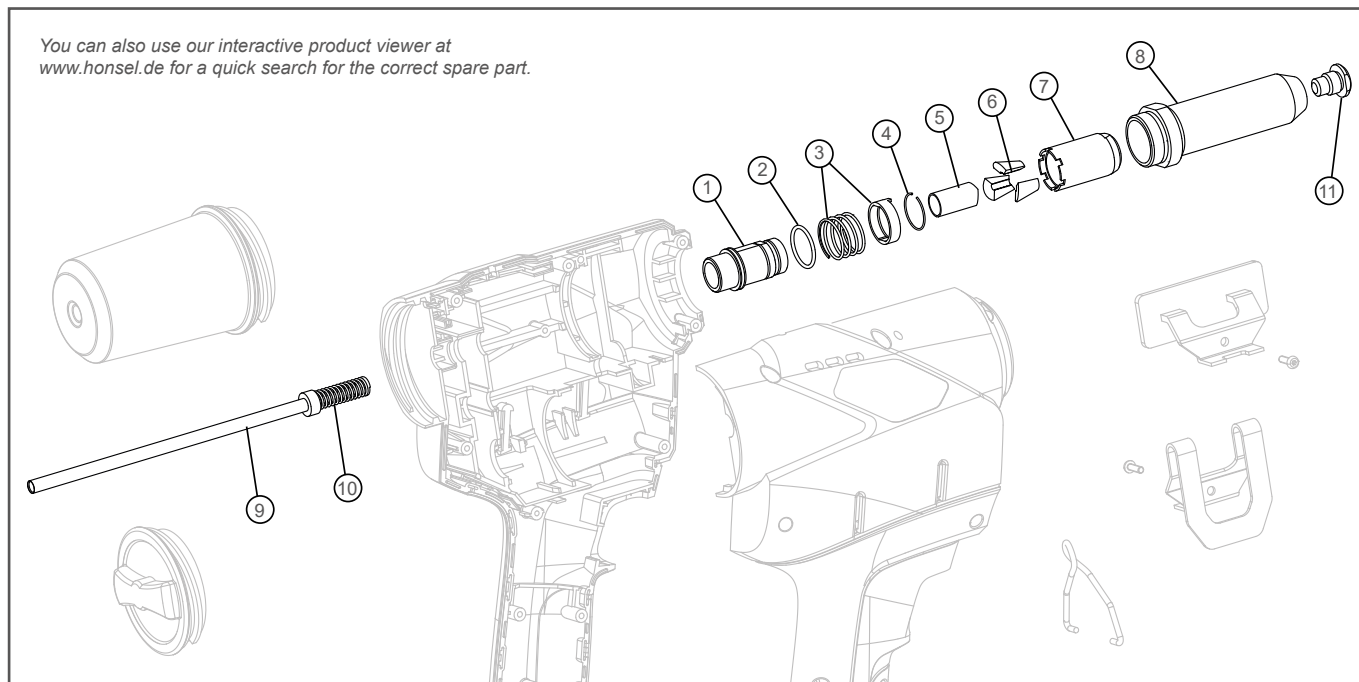
* Optional conversion kits for 4.0–6.4 mm blind rivets, ► see next page.



Family facts on the HONSEL battery riveters on ► page 34 - 37.



You can also use our interactive product viewer at www.honsel.de for a quick search for the correct spare part.



Spare and wear parts

1	321502000054	Spacer with O-ring
2	321101100017	O-ring 16x1.5
3	321502000055	Quick release ring + spring
4	321502000056	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 with O-ring (various Ø)
10	321300200021	Pressure spring

Standard nose pieces

11A	321120000125	Standard nose piece 4.8/5.0 mm
11B	321120000126	Standard nose piece 6.0 mm
11C	321120000127	Standard nose piece 6.4 mm

Conversion kit (optional for blind rivets above 4.0 mm)

321502000018	Conversion kit* blind rivets 4.0 - 6.4 mm (Clamping sleeve and clamping jaws)
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* 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
321500000022	Li-Ion RivdomPLUS battery 20 V/4.0 Ah
321500000001	Universal quick charger 220 V (12 V/16 V/20 V)
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)
321401000030	Mandrel container L+ (8.0 cm)
321501000030	Mandrel container XL+ (11.0 cm)
321401000029	Hanger
321200000006	Belt clip
321200000005	Name plate
321401000004	Cover cap

320502000100	Rivdom eBZ 2 with angular rivet head 0°
320502000101	Rivdom eBZ 2 with angular rivet head 90°
320502000102	Rivdom eBZ 2 with angular rivet head 180°
320502000103	Rivdom eBZ 2 with angular rivet head 270°

Special nose pieces

For recessed riveting points

Extended nose pieces 7.0 mm



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

Extended nose pieces 20.0 mm



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

i Special nose pieces for specific customer applications can be produced at short notice.

For large dome head blind rivets



321120000511	Façade nose piece head 11.0 mm
321120000514	Façade nose piece head 14.0 mm
321120000516	Façade nose piece head 16.0 mm

For FERRO® BOLT high-strength blind rivets



361121008401	Nose piece FERRO®-BOLT blind rivets 4.8 mm
361121008601	Nose piece FERRO®-BOLT blind rivets 6.4 mm

Also available as retention nose pieces.

For folding blind rivets



321123716052	Nose piece for folding blind rivets 5.2 mm
321123716063	Nose piece for folding blind rivets 6.3 mm
321123716077	Nose piece for folding blind rivets 7.7 mm

Extended front sleeves

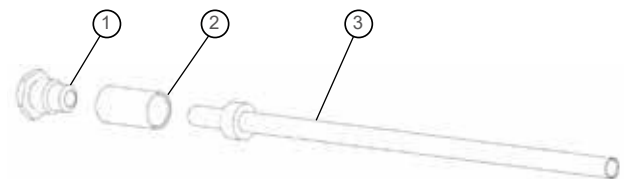


For particularly recessed riveting points. Setting of standard blind rivets.

	Item no.	Designation
	321300200072-0-1	Extendet front sleeve (200 mm)

Retention nose pieces

To ensure optimum riveting with HONSEL retention nose pieces, we recommend the use of the guide sleeves and stud discharge tubes matching the respective STUD DIAMETER ().



	No.	Item no.	Designation
≤3,2		321501000250-0-1	SET from position 1, 2 and 3
	1	321501000134-01-1	Retention nose piece 4.8/5.0 mm
	2	321300200017-001-4	Guide sleeve
	3	321300200049-0-4	Mandrel discharge tube

	No.	Item no.	Designation
≤4,1		321501000264-0-1	SET from position 1, 2 and 3
	1	321501000138-01-1	Retention nose piece 6.4 mm
	2	321300200017-001-2	Guide sleeve
	3	321300200049-0-2	Mandrel discharge tube

	No.	Item no.	Designation
≤3,7		321501000260-0-1	SET from position 1, 2 and 3
	1	321501000136-01-1	Retention nose piece 6.0 mm
	2	321300200017-001-3	Guide sleeve
	3	321300200049-0-3	Mandrel discharge tube

	No.	Item no.	Designation
≤4,7		321501000265-0-1	SET from position 1, 2 and 3
	1	321501000138-01-1	Retention nose piece 6.4 mm
	2	321300200017-001-1	Guide sleeve
	3	321300200049-0-1	Mandrel discharge tube

RIVDOM® eBZ 2 FER0

Battery-powered setting tool for blind rivets



Rivdom eBZ 2 FER0

HONSEL offers more. The Rivdom eBZ 2 FER0

A typical example of perfectly matched components. Here for high-strength blind rivets from 4.8 to 6.4 mm.

The modified clamping mechanism with clamping jaws matched to the grooves of the rivet mandrel guarantees an optimum form fit.

30 mm
Stroke

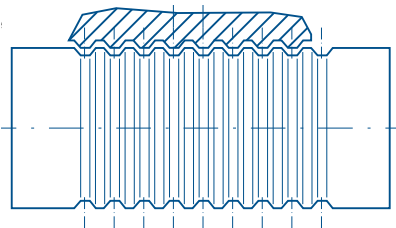
6.4 mm
diameter

Weight
2,000 g
1,600 g without battery

20,000 N
Setting force

Clamping jaw

Mandrel



Benefits of HONSEL system component clamping jaws

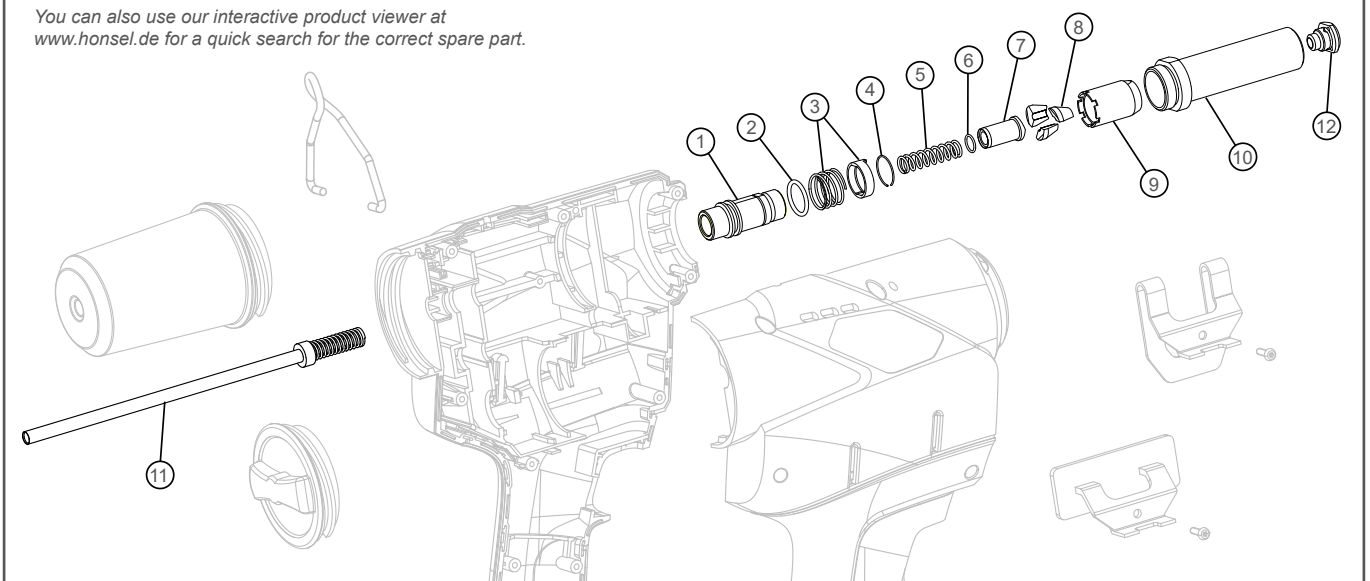
- Minimised wear of the actual clamping jaws
- Greatly reduced tool wear
- Optimum grip. Less or no slipping of the clamping jaws on the fastener
- The geometry allows earlier gripping of the mandrel and thus an ideal grip angle for full power transmission of the clamping jaws to the mandrel
- Thanks to the optimised geometry, the short mandrels commonly produced and on the market can be reliably gripped
- As a result, extended nose pieces can also be used

Scope of supply

- 1x Rivdom eBZ 2 FER0 battery riveter with brushless motor in HONSEL L-Boxx®
- 20 V/2.0 Ah Li ion battery with visual state-of-charge indicator (number depending on variant)
- 1x Rivdom-PLUS quick-charger
- 1x retention nose pieces 6,4 mm in box
- 1x mandrel container "L"
- 1x each belt clip, hanger bracket and cover cap

32051000000-010-1	Rivdom eBZ 2 FER0 - 1x Battery 20V (2.0 Ah)
32051000000-020-1	Rivdom eBZ 2 FER0 - 2x Battery 20V (2.0 Ah)

You can also use our interactive product viewer at www.honsel.de for a quick search for the correct spare part.



Spare and wear parts

1	321528000054	Spacer with O-Ring
2	321528000010	O-ring 15.0 x 2.5
3	321502000055	Quick release ring + spring
4	321502000056	Quick release c-ring
5	321528200021	Pressure spring
6	321102000050	O-Ring 8 x 1,0
7	321528200017	Guide sleeve
8	321528045080	Clamping jaws (1 set = 3 pcs.)
9	321528040016	Clamping sleeve
10	321528200015	Front sleeve
11	321300200049	Mandrel discharge tube with O-ring (various Ø)

Standardmundstücke

12A	321528000066	Standard nose piece 6.4 mm
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FERO nose pieces



For FERRO® BOLT high-strength blind rivets

12B	321528008601	Nose piece FERRO®-BOLT blind rivets 6.4 mm
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Also available as retention nose pieces.

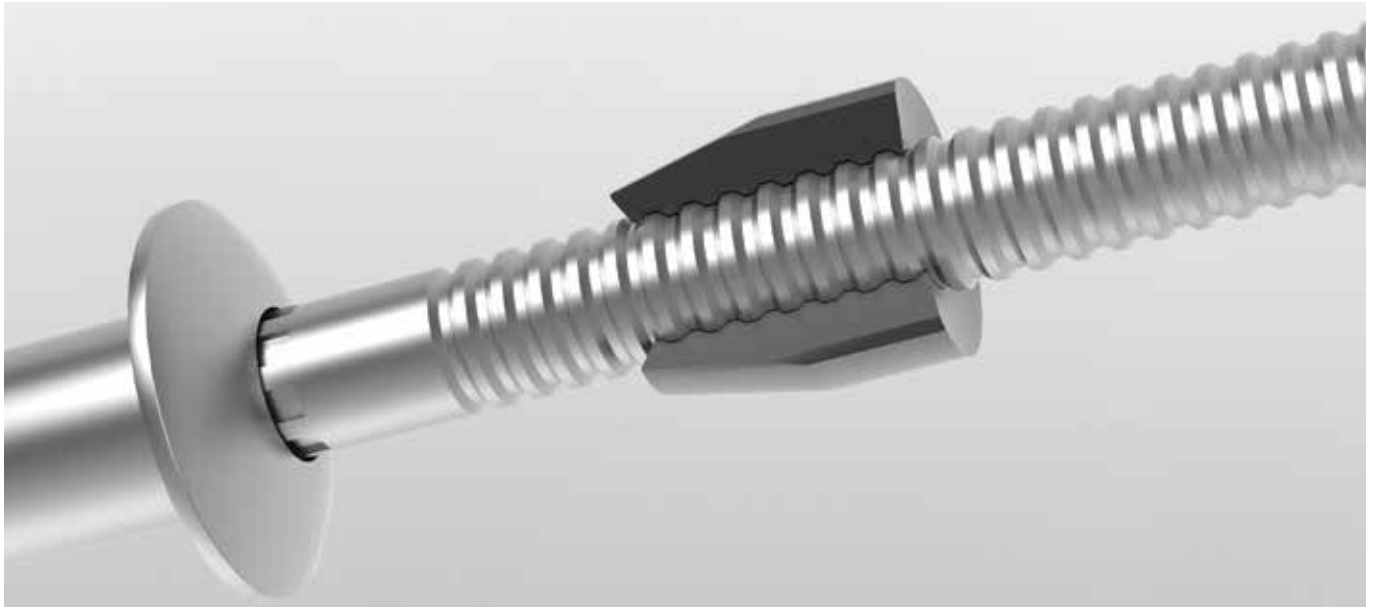
Working range

2,4	3,0	3,2	4,0	4,8	5,0	6,0	6,4	8,0
				Aluminium				
				Steel				
				Stainless steel				
				Stainless steel				

max. 4.8 mm
grooved mandrel

Family facts on the HONSEL battery riveters on ► page 34 - 37.





Rivdom eBZ 3



Illustration with two batteries

Rivdom eBZ 3

MAXIMUMPOWER with cordless riveting

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 trapezoid grooved rivet stud!

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

Scope of supply

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

32052800000-010-1	Rivdom eBZ 3 - 1x battery 20V (2.0 Ah)
32052800000-020-1	Rivdom eBZ 3 - 2x battery 20V (2.0 Ah)



The HONSEL RIVDOM eBZ 3 is supplied as standard with retention nose pieces. Wear parts can be changed practically without the use of tools.



Weight 2,100 g 1,730 g without battery	24,000 N Setting force	30 mm Stroke	For blind rivets up to 8.0 mm diameter
0.8 mm Ideal for trapezoidal grooves on the fastener	> 625 7.8 x 13.5 mm FERO® BULB blind rivets per 2.0 Ah battery charge	242 mm Length without mandrel container	22 minutes Charging time for 90 % charge Fully charged < 30 min- utes

Rivdom eBZ 3

Working range

2,4	3,0	3,2	4,0	4,8	5,0	6,0	6,4	8,0
							Aluminium	
							Steel	
							Stainless steel	

max. 6.1 mm
grooved mandrel

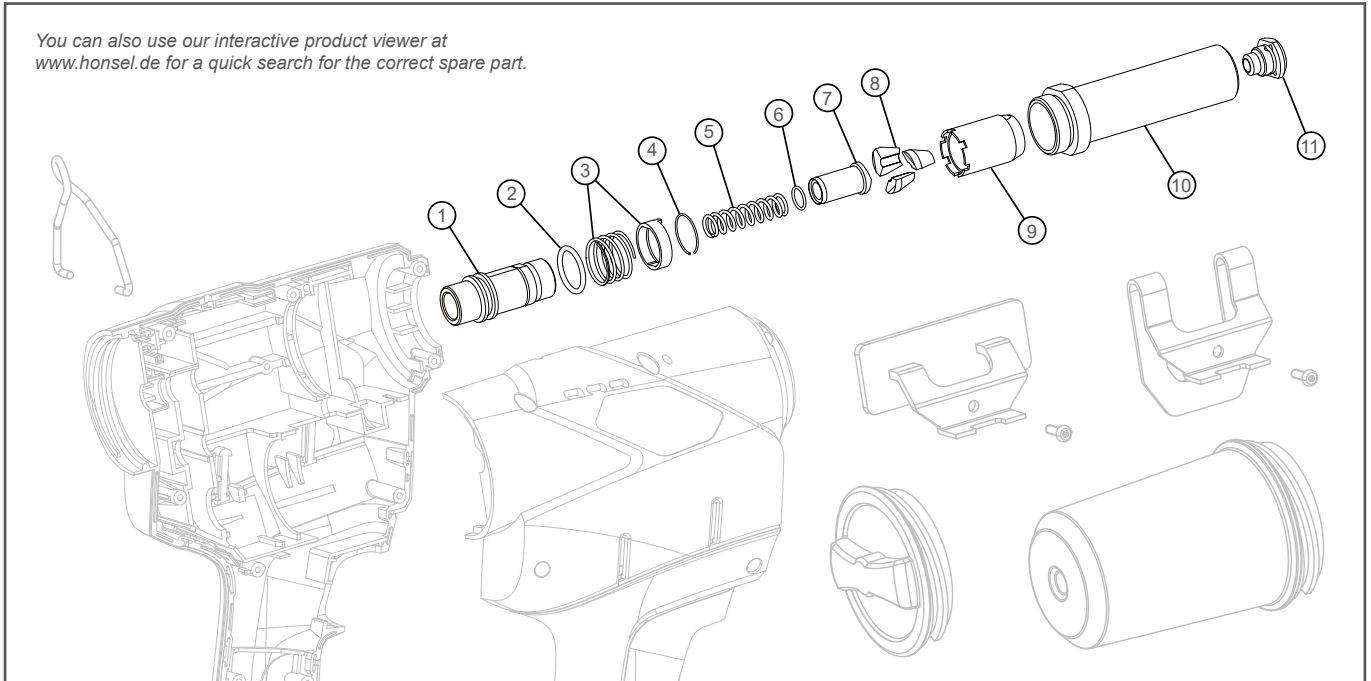
Family facts on the HONSEL battery riveters on ► page 34 - 37.



RIVDOM® eBZ 3

Accessories and spare parts

You can also use our interactive product viewer at www.honsel.de for a quick search for the correct spare part.



Spare and wear parts

1	321528000054	Spacer with O-Ring
2	321528000010	O-ring 15.0 x 2.5
3	321502000055	Quick release ring + spring
4	321502000056	Quick release c-ring
5	321528200021	Pressure spring
6	321102000050	O-Ring 8 x 1,0
7	321528200017	Guide sleeve
8	321528045080	Clamping jaws (1 set = 3 pcs.)
9	321528040016	Clamping sleeve
10	321528200015	Front sleeve

Standard nose pieces

► See retention nose pieces on the following page.

Special nose pieces

For FERRO® BOLT high-strength blind rivets



361121008601 Nose piece FERRO®-BOLT blind rivets 6.4 mm

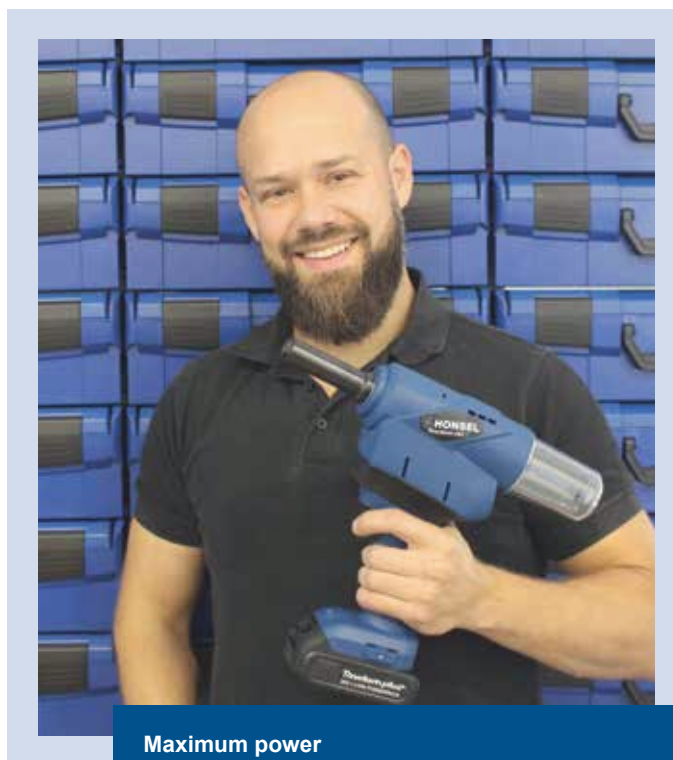
Also available as retention nose pieces



Accessories

321500000021	Li-Ion RivdomPLUS battery 20 V/2.0 Ah
321500000022	Li-Ion RivdomPLUS battery 20 V/4.0 Ah
321500000001	Universal quick charger 220 V (12 V/16 V/20 V)
321500000003	Multiple charging station
321500000004	Adapter multiple charging station for 1 x RivdomPLUS battery

321300100031	Mandrel container L (8.0 cm)
321401000030	Mandrel container L+ (8.0 cm)
321501000030	Mandrel container XL+ (11.0 cm)
321401000029	Hanger
321200000006	Belt clip
321200000005	Name plate
321401000004	Cover cap



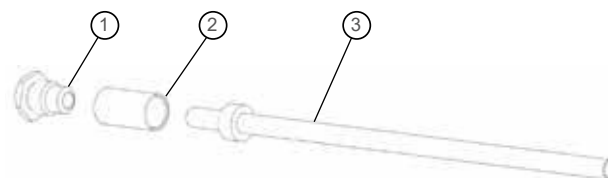
Maximum power

The eBZ 3 is currently the strongest of our battery riveters for blind rivets – together with, for example, the small, lightweight eBZzero or the fast ebZ1, we now offer a complete range of battery tools for every application – the first with the batteries of the AMPShare alliance, powered by Bosch.

Sebastian Rousseau | Product Manager Tools

Retention nose pieces

To ensure optimum riveting with HONSEL retention nose pieces, we recommend the use of the guide sleeves and stud discharge tubes matching the respective STUD DIAMETER ($\frac{\text{STUD}}{\text{STUD}}$).



$\frac{\text{STUD}}{\text{STUD}}$	No.	Item no.	Designation
		321528000264-0-1	SET from position 1, 2 and 3
≤4,1	1	321528000066-01-1	Retention nose piece 6.4 mm
	2	321528200017-0-2	Guide sleeve

$\frac{\text{STUD}}{\text{STUD}}$	No.	Item no.	Designation
		321528200278-0-1	SET from position 1, 2 and 3
≤4,7	1	321528000067-01-1	Retention nose piece 7.8 mm
	2	321528200017-0-2	Guide sleeve

RIVDOM® eBZ SF

Battery-powered setting tool special fasteners



Rivdom eBZ SF



Rivdom eBZ SF

The **SPECIALIST** for special solutions

Special applications call for special solutions. Together with our customers, we have developed a perfect setting tool solution for such fasteners.

This comprises our Rivdom eBZ SF as the basis for clamping mechanisms from other suppliers.

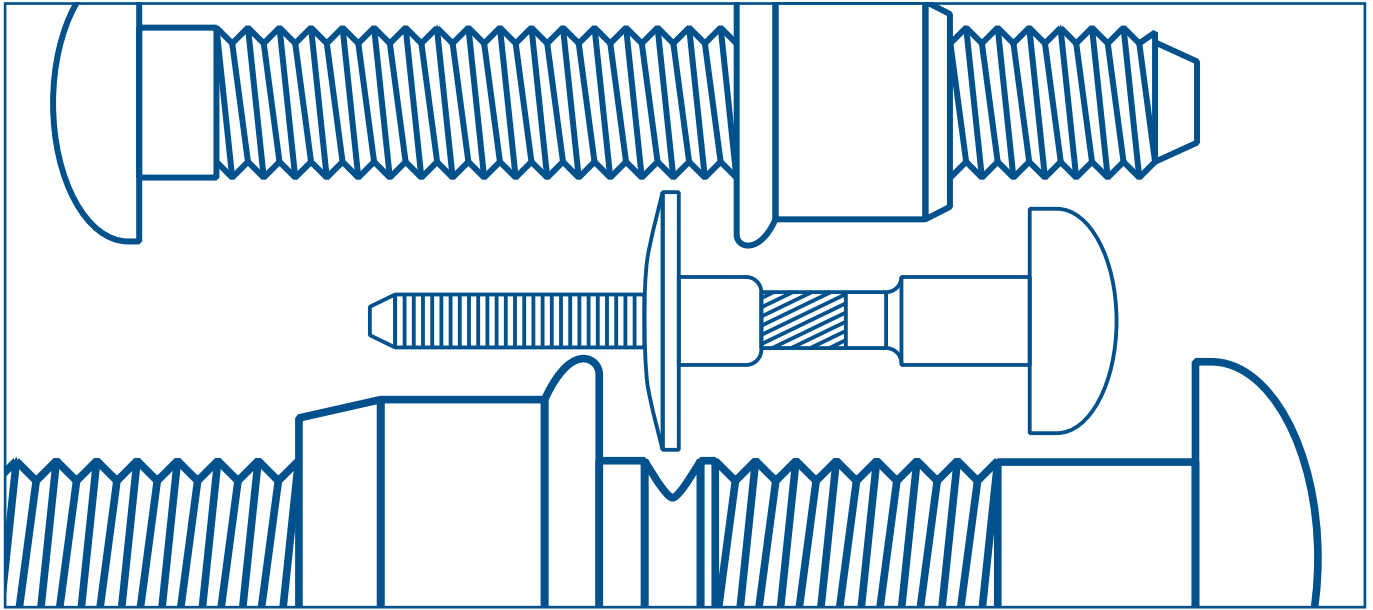
The fastener/clamping mechanism system can thus be combined with high-performance HONSEL setting tools and HONSEL service.

Among other things, this has resulted in adapters for HUCK® clamping mechanisms.

Processing of Lockbolts

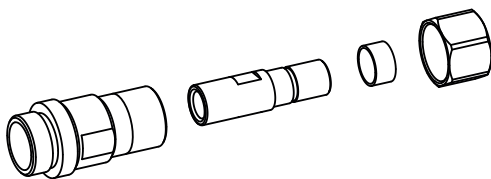
Lockbolts are two-part fasteners for use in components that are accessible from both sides and are characterised by particularly high tensile and preload forces and very large clamping ranges and meet the highest requirements for vibration resistance.

The Rivdom eBZ SF is perfectly suited to the setting of selected fasteners.



Scope of supply

- 1x Rivdom eBZ SF battery riveter with brushless motor in HONSEL L-Boxx® incl. adapter with GAGE BILT clamping mechanisms of GAGE BILT Inc.
- 2x 20 V/2.0 Ah Li ion battery with visual state-of-charge indicator
- 1x Rivdom-PLUS quick-charger
- 1x stud collector "L"
- 1x each belt clip, hanger bracket and cover cap



Item no.	Ersatzteil
320520001248-020-1	Rivdom eBZ SF with clamping mechanism suitable for 4.8 mm MagnaGrip® from HUCK International Inc.
320520001264-020-1	Rivdom eBZ SF with clamping mechanism suitable for 6.4 mm MagnaGrip® from HUCK International Inc.
320520001348-020-1	Rivdom eBZ SF with clamping mechanism suitable for 4.8 mm C6L® / C120L® from Howmet Aerospace Inc.
320520001364-020-1	Rivdom eBZ SF with clamping mechanism suitable for 6.4 mm C6L® / C120L® from Howmet Aerospace Inc.
320520001195-020-1	Rivdom eBZ SF with clamping mechanism suitable for 9.8 mm Huck-tainer® from HUCK International Inc.
320520000000-020-1	Rivdom eBZ SF for adapters/clamping mechanisms from the original manufacturer

Accessories

321500000021	Li-Ion RivdomPLUS battery 20 V/2.0 Ah
321500000022	Li-Ion RivdomPLUS battery 20 V/4.0 Ah
321500000001	Universal quick charger 220 V (12 V/16 V/20 V)
321500000003	Multiple charging station
321500000004	Adapter multiple charging station for 1 x RivdomPLUS battery

321300100031	Mandrel container L (8.0 cm)
321401000030	Mandrel container L+ (8.0 cm)
321501000030	Mandrel container XL+ (11.0 cm)
321401000029	Hanger
321200000006	Belt clip
321200000005	Name plate
321401000004	Cover cap

Family facts on the HONSEL battery riveters on ► page 34 - 37.



RIVDOM® ONE

Battery-powered setting tool for blind rivets



MOVIE



RivdomONE

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

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.

Scope of supply

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



320401000000-010-1	RivdomONE - 1x battery 16V (2.0 Ah)
320401000000-020-1	RivdomONE - 2x battery 16V (2.0 Ah)



ALL IN ONE. THE VARIO Nose piece

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)!

321300100071

Vario nose piece complete for blind rivets 2.4 - 5.0 mm

Weight 1,800 g 1,510 g without battery	10,000 N Setting force	21 mm Stroke	For blind rivets up to 5.0 mm diameter
Optional 1 for 4 Vario nose piece	> 800 Fasteners per 2.0 Ah battery charge	210 mm Length without mandrel container	22 minutes Charging time for 90 % charge Fully charged < 30 min- utes

Working range

2,4	3,0	3,2	4,0	4,8	5,0	6,0	6,4	8,0
Aluminium						optional		
Steel								
Stainless steel								
Kupfer								

max. 3.4 mm



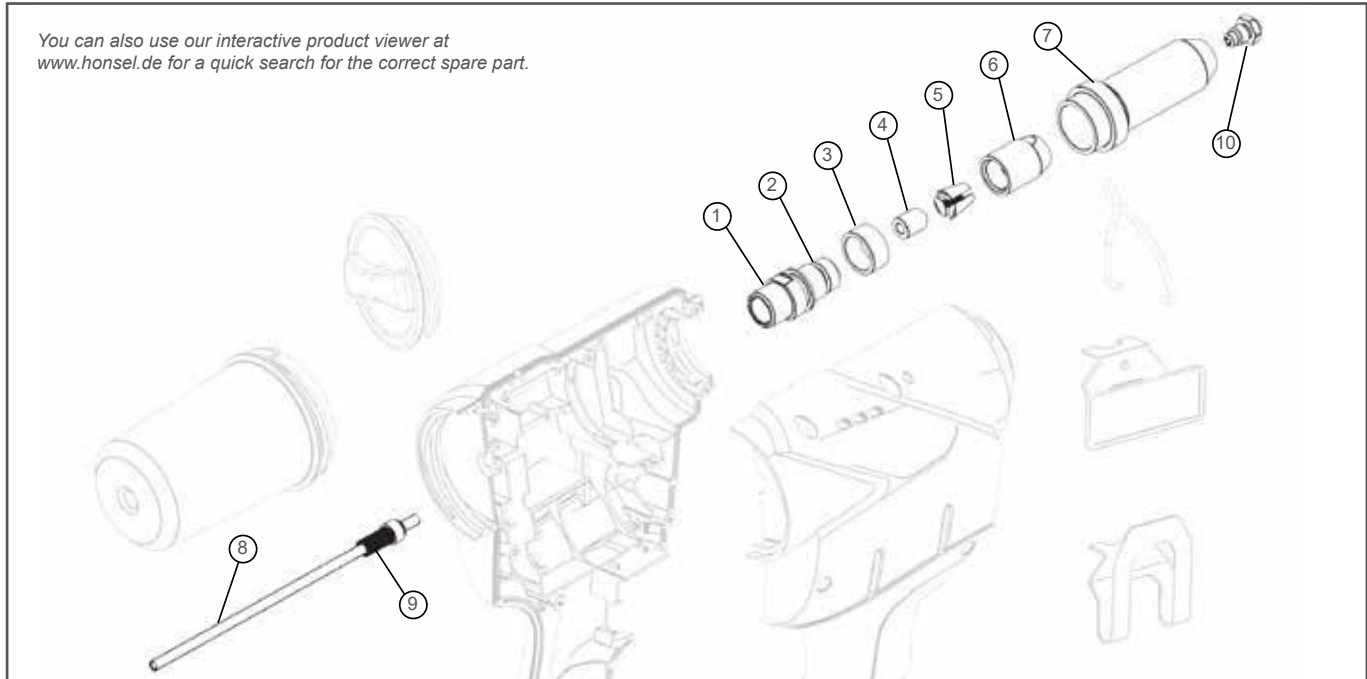
Family facts on the HONSEL battery riveters on ► page 34 - 37.



RIVDOM® ONE

Accessories and spare parts

You can also use our interactive product viewer at www.honsel.de for a quick search for the correct spare part.



Spare and wear parts

1	321300100054	Spacer
2	321200000010	O-Ring 14 x 1,0
3	321300100069	Extension sleeve
4	321300100017	Guide sleeve < 3.2 (standard)
5	321020000006	Clamping jaws (1 set = 3 pcs.)
6	321300100016	Clamping sleeve
7	321300100015	Front sleeve incl. O-Ring
8	321300100049	Mandrel discharge tube with O-ring (various Ø)
9	321300100021	Pressure spring

Standard nose pieces

10A	321070000240	Standard nose piece 2.4 mm
10B	321085000123	Standard nose piece 3.0/3.2 mm
10C	321085000124	Standard nose piece 4.0 mm
10D	321085000125	Standard nose piece 4.8/5.0 mm

Accessories

321401000021	Li-Ion RivdomPLUS battery 16 V/2.0 Ah
321401000022	Li-Ion RivdomPLUS battery 16 V/4.0 Ah
321500000001	Universal quick charger 220 V (12 V/16 V/20 V)
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)
321401000030	Mandrel container L+ (8.0 cm)
321501000030	Mandrel container XL+ (11.0 cm)
321401000029	Hanger
321200000006	Belt clip
321200000005	Name plate
321401000004	Cover cap

Special nose pieces

For recessed riveting points



Extended nose pieces 7.0 mm

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



Extended nose pieces 20.0 mm

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

i Special nose pieces for specific customer applications can be produced at short notice.

For large dome head blind rivets



321085000511	Façade nose piece 4.8/5.0 mm head 11.0 mm
321085000514	Façade nose piece 4.8/5.0 mm head 14.0 mm
321085000516	Façade nose piece 4.8/5.0 mm head 16.0 mm

For FERRO® BOLT high-strength blind rivets



321101008401	Nose piece FERRO®-BOLT blind rivets 4.8 mm
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For folding blind rivets



321103716052	Nose piece for folding blind rivets 5.2 mm
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Extended front sleeves

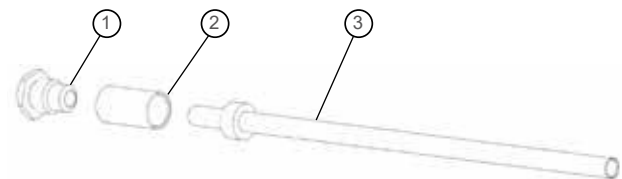


For particularly recessed riveting points. Setting of standard blind rivets.

Item no.	Designation
321300100072-0-1	Extended Front sleeve (165 mm) or blind rivets up to 4 mm

Retention nose pieces

To ensure optimum riveting with HONSEL retention nose pieces, we recommend the use of the guide sleeves and stud discharge tubes matching the respective STUD DIAMETER ($\frac{\text{X}}{\text{X}}$).



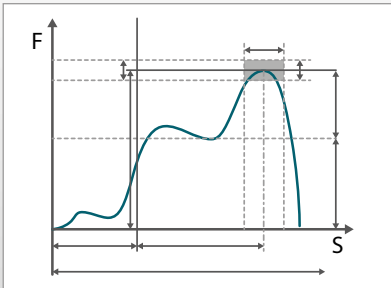
No.	Item no.	Designation
	321300100224-0-1	SET from position 1, 2 and 3
1	321401000132-01-1	Retention nose piece 2.4/3.2 mm
2	321300100017-001-4	Guide sleeve
3	321300100049-04-1	Mandrel discharge tube with O-ring

No.	Item no.	Designation
	321300100232-0-1	SET from position 1, 2 and 3
1	321401000134-01-1	Retention nose piece 3.0/3.2 mm
2	321300100017-001-3	Guide sleeve
3	321300100049-03-1	Mandrel discharge tube with O-ring

No.	Item no.	Designation
	321300100240-0-1	SET from position 1, 2 and 3
1	321401000136-01-1	Retention nose piece 4.0 mm
2	321300100017-001-2	Guide sleeve
3	321300400049-02-1	Mandrel discharge tube with O-ring

No.	Item no.	Designation
	321300100250-0-1	SET from position 1, 2 and 3
1	321401000138-01-1	Retention nose piece 4.8/5.0 mm
2	321300100017-001-1	Guide sleeve
3	321300400049-001-1	Mandrel discharge tube with O-ring

Item no.	Designation
321101008401-01-1	Retention nose piece FERRO®-BOLT blind rivets 4.8/5.0 mm



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 counting functions in text format in separate process windows.



Rivsmart eBZ ZERO S Small. Light. Smart.

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.

- 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

* DMSD 2G



Compact dimensions

Thanks to the removable transparent stud collector, 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!



NEW: Control via PC app possible.

Scope of supply

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

320200000000-010-1	RivSmart eBZ ZERO S - 1x battery 12V (2,0 Ah)
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320200000000-020-1	RivSmart eBZ ZERO S - 2x battery 12V (2,0 Ah)
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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 can do more.
Intelligent controller

Integration of the latest **DMSD 2G** process monitoring system with PLC interface directly into your corporate network is also possible as an option. More information on ► page 104.

Rivsmart DMSD2G

- Service functions: Information on clamping jaw change, service intervals, emptying of stud collector, job counter, live statistics
- Many basic functions: Count-down, various counters, statistics, signal tones

Weight 1,300 g 1,100 g without battery	6,800 N Setting force	20 mm Stroke	For blind rivets up to 4.0 mm diameter
> 100 Standard and special accessories immediately available from stock	> 1,000 Fasteners per 2.0 Ah battery charge	195 mm Length without mandrel container	22 minutes Charging time for 90 % charge Fully charged < 30 minutes

RivSmart eBZ ZERO S

Working range

	2,0	2,4	3,0	3,2	4,0	4,8	5,0	6,0	6,4
optional Aluminium									
optional Steel									
optional Stainless steel							*		
optional Copper alloys									

max. 3.4 mm * with original HONSEL ALFO® FLEX



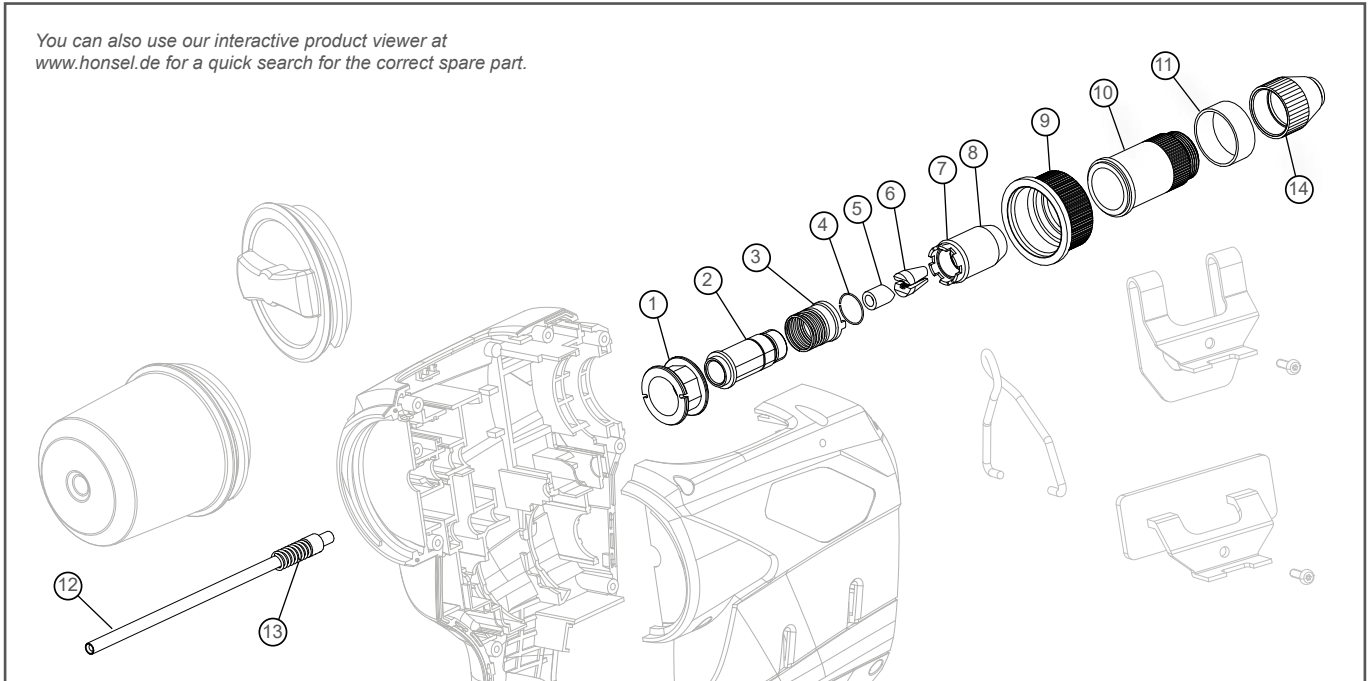
Family facts on the HONSEL battery riveters on ► page 34 - 37.



RIVSMART® eBZ ZERO S

Accessories and spare parts

You can also use our interactive product viewer at www.honsel.de for a quick search for the correct spare part.



Spare and wear parts

1	321200000020	Dummy-Sensoring
2	321200000054	Spacer
3	321200000055	Quick release ring + spring
4	321200000056	Quick release c-ring
5	321200000017	Guide sleeve < 3.2 (standard)
6	311002000132	Clamping jaws (1 set = 2 pcs.)
7	321200000010	O-Ring 14 x 1,0
8	321200000016	Clamping sleeve
9	321200000018	Union ring (silver)
10	321200000015	Front sleeve incl. O-Ring
11	321200000019	O-Ring 14 x 1,0
12	321200000049	Mandrel discharge tube < 3.2 (standard)
13	321200000014	Pressure spring

Standard nose pieces

14A	321200000121	Standard nose piece 2.0 mm
14B	321200000122	Standard nose piece 2.4 mm
14C	321200000123	Standard nose piece 3.0/3.2 mm
14D	321200000124	Standard nose piece 4.0 mm

Accessories

321200000021	Li-Ion RivdomPLUS battery 12V/2,0Ah
321200000022	Li-Ion RivdomPLUS battery 12V/4,0Ah
321500000001	Universal quick charger 220 V (12 V/16 V/20 V)
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)
321401000030	Mandrel container L+ (8.0 cm)
321501000030	Mandrel container XL+ (11.0 cm)
321200000018	Union ring (blue)
321200000018	Union ring (gold)
321200000018	Union ring (red)
321200000018	Union ring (black)
321200000029	Hanger
321200000006	Belt clip
321200000005	Name plate
321401000004	Cover cap

Special nose pieces

For recessed riveting points

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



Extended nose pieces 7.0 mm



321200932070	Extended nose piece (7 mm) 3.0/3.2 mm
321200940070	Extended nose piece (7 mm) 4.0 mm

Extended nose pieces 20.0 mm



321200932200	Extended nose piece (20 mm) 3.0/3.2 mm
321200940200	Extended nose piece (20 mm) 4.0 mm

For 4.0 mm large dome head blind rivets

Further information on the function,



321200000416	Facade nose piece head 16.0 mm
321200000424	Facade nose piece head 24.0 mm

i Special nose pieces for specific customer applications can be produced at short notice.

Extended front sleeves




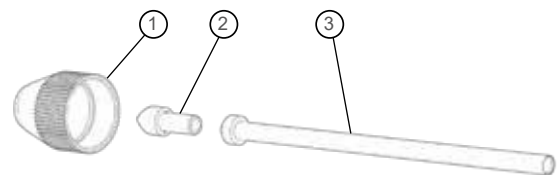
For particularly recessed riveting points. Setting of standard blind rivets.

Icon	Item no.	Designation
	321200000072-0-1	1x Extension piece 80 mm without mandrel discharge tube
≤1,7	321200000072-1-4	1x Extension piece 80 mm and mandrel discharge tube
≤2,2	321200000072-1-3	1x Extension piece 80 mm and mandrel discharge tube
≤2,7	321200000072-1-2	1x Extension piece 80 mm and mandrel discharge tube
≤1,7	321200000072-2-4	2x Extension piece 80 mm and mandrel discharge tube
≤2,2	321200000072-2-3	2x Extension piece 80 mm and mandrel discharge tube
≤2,7	321200000072-2-2	2x Extension piece 80 mm and mandrel discharge tube

1x extension 80 mm = sleeve length 120 mm, total tool length 204 mm
2x extension 80 mm = sleeve length 200 mm, total tool length 284 mm

Retention nose pieces

To ensure optimum riveting with HONSEL retention nose pieces, we recommend the use of the guide sleeves and stud discharge tubes matching the respective STUD DIAMETER ().



Icon	No.	Item no.	Designation
		321200000224-0-1	SET from position 1, 2 and 3
≤1,7	1	321200000132-1-1	Retention nose piece 2.4/3.2 mm
	2	321200000017-0-4	Guide sleeve
	3	321200000049-0-4	Mandrel discharge tube

Icon	No.	Item no.	Designation
		321200000240-0-1	SET from position 1, 2 and 3
≤2,7	1	321200000136-1-1	Retention nose piece 4.0 mm
	2	321200000017-0-2	Guide sleeve
	3	321200000049-0-2	Mandrel discharge tube

Icon	No.	Item no.	Designation
		321200000232-0-1	SET from position 1, 2 and 3
≤2,2	1	321200000134-1-1	Retention nose piece 3.0/3.2 mm
	2	321200000017-0-3	Guide sleeve
	3	321200000049-0-3	Mandrel discharge tube

Extended retention nose pieces 7.0 mm

Item no.	Designation
321200924070-1-1	Extended retention nose piece (7 mm) 2.4 mm
321200932070-1-1	Extended retention nose piece (7 mm) 3.0/3.2 mm
321200940070-1-1	Extended retention nose piece (7 mm) 4.0 mm

* Order matching guide sleeve and stud discharge tube at the same time (please refer to the tables opposite)

RIVDOM® eVNG 2

Battery-powered setting tool for blind rivet nuts and studs



Rivdom eVNG 2



Now with AMPShare power for professionals. AMPShare is the shared battery system that allows you to use a wide range of tools from several professional brands with just one battery – thanks to the leading battery technology of Bosch Professional.



Compatible since 2008 – more than 80 million batteries! All Bosch Professional 18V/AMPShare Systems batteries can be used with new and existing Bosch Professional tools and, in future, also in all AmpShare alliance tools of the same voltage class.

Rivdom eVNG 2

Gripping. Uncompromising.

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

- Force and stroke controlled - all in one device
- Spindling of the nut/studs via threaded mandrel push or trigger
- Application-oriented adjustment of spindle speeds and spindle times to achieve the shortest cycle time through our patented two-motor technology
- 20 mm stroke - for long folding and multi-range blind rivet nuts
- Automatic adjustment of tool length and tool-free tool change and maintenance

Scope of supply

- 1x Rivdom eVNG 2 battery riveter
 - 5x blind rivet nut conversion kit (M3 - M10)
 - 1x each belt clip, hanger bracket and cover cap
- Versions according to the table below:
- AMPShare 18V 2.0 Ah GBA Li ion battery
 - AMPShare GAL 18V-40 quick-charger
 - Delivery in HONSEL L-Boxx® or carton

Item no.	eVNG 2	Battery	Charger	L-Boxx	Carton
320621000000-010-1	x	1x	x	x	
320621000000-020-1	x	2x	x	x	
320621000000-099-1	x			x	
320621000000-199-1	x				x



Weight 2,400 g 1,995 g without battery	24,000 N Setting force	20 mm Stroke	For blind rivet nuts M3-M12
99 Memory slots	For blind rivet studs M4-M8	2 BLDC motors	24 minutes Charging time for 80 % charge Fully charged in 35 minutes (2.0 Ah)

Rivdom eVNG 2

Working range

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



M3	M4	M5	M6	M8	M10	M12
	Steel optional					

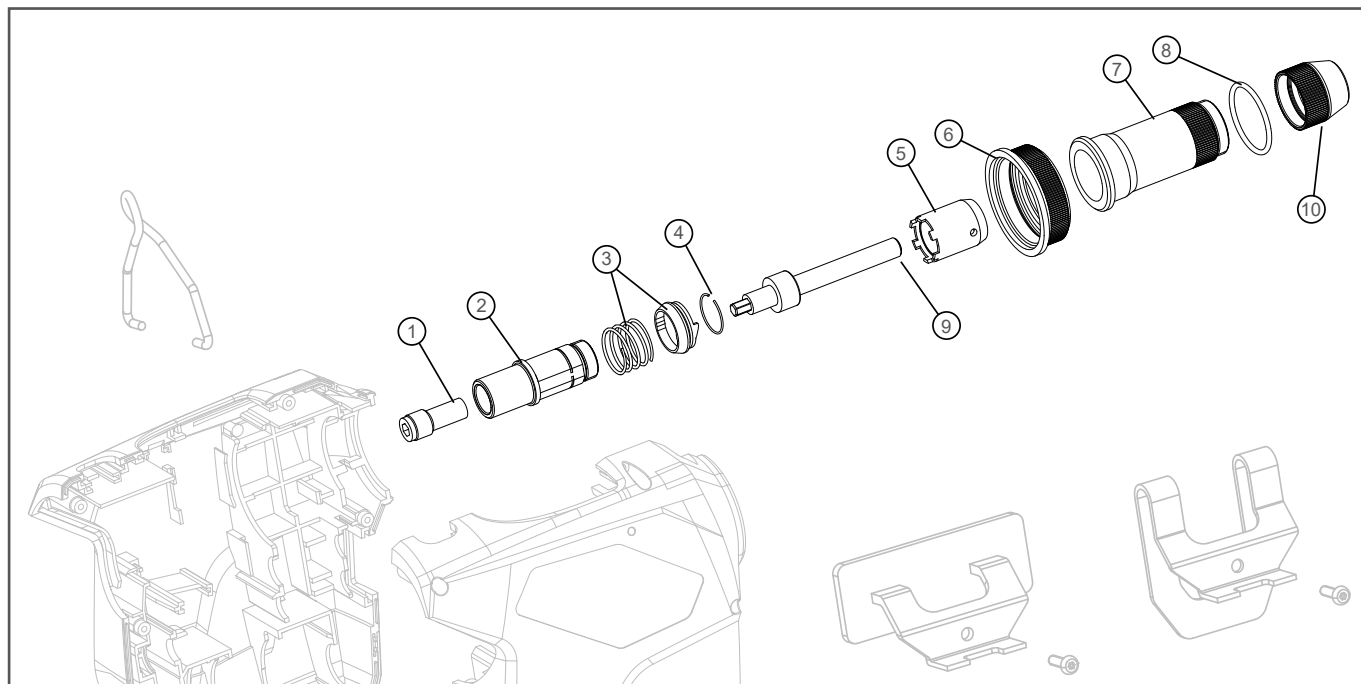
Screwing on/screwing off variable



Innovative 2-motor technology

Family facts on the HONSEL battery riveters on ► page 34 - 37.





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 (silver)
7	321620000015	Front sleeve incl. O-Ring
8	321620000019	O-Ring 27 x 2.0

Nose pieces

10A	321620001203	Nose piece M3
10B	321620001204	Nose piece M4
10C	321620001205	Nose piece M5
10D	321620001206	Nose piece M6
10E	321620001208	Nose piece M8
10F	321620001210	Nose piece M10
10G	321620001212	Nose piece M12

Threaded mandrels / sleeves

9A	321620001003	Mandrel M3
9B	321620001004	Mandrel M4
9C	321620001005	Mandrel M5
9D	321620001006	Mandrel M6
9E	321620001008	Mandrel M8
9F	321620001010	Mandrel M10
9G	321620001012	Mandrel M12

321620001104	Threaded sleeve M4
321620001105	Threaded sleeve M5
321620001106	Threaded sleeve M6
321620001108	Threaded sleeve M8

Special accessories. Quite normal for us.

We can tailor our tools individually to your application to reduce costs and optimise the setting result using appropriate accessories. A selection of special nose pieces and threaded mandrels available from stock for the eVNG 2 can be found on the right-hand side – please contact us for more.

Accessories

321500000010	AMPShare Starter Set (2x2.0Ah, 1 AMPShare quick charger) - EU
321500000011	AMPShare Starter Set (1x2.0Ah, 1x4.0Ah, 1 AMPShare quick charger) - EU
321500000012	AMPShare Starter Set (2x4.0Ah, 1 AMPShare quick charger) - EU
321500000005	AMPShare quick charger GAL 18V-40 (EU)
321500000024	AMPShare 18V 2,0 AH GBA Li-Ion battery (EU)
321500000025	AMPShare 18V 4,0 AH ProCore Li-Ion battery (EU)

321620000018	Union ring (blue)
321620000018	Union ring (goöd)
321620000018	Union ring (red)
321620000018	Union ring (black)
321200000029	Hanger
321200000006	Belt clip
321200000005	Name plate

Special nose pieces

Nose pieces for HEADLESS blind rivet nuts

321620004206	Nose piece M6 HEADLESS (eVNG 2)
321620004208	Nose piece M8 HEADLESS (eVNG 2)
321620004210	Nose piece M10 HEADLESS (eVNG 2)



Extended nose pieces for dome head

321620080503-1-1	Extended nose piece M3 (5 mm) 7.0 mm
321620080504-1-1	Extended nose piece M4 (5 mm) 8.0 mm
321620080505-1-1	Extended nose piece M5 (5 mm) 9.0 mm
321620080506-1-1	Extended nose piece M6 (5 mm) 11.0 mm
321620080508-1-1	Extended nose piece M8 (5 mm) 13.0 mm
321620080510-1-1	Extended nose piece M10 (5 mm) 15.0 mm
321620080512-1-1	Extended nose piece M12 (5 mm) 19.0 mm

Extended nose pieces for countersunk head

321620080503-1-2	Extended nose piece M3 (5 mm) 7.0 mm
321620080504-1-2	Extended nose piece M4 (5 mm) 10.0 mm
321620080505-1-2	Extended nose piece M5 (5 mm) 11.0 mm
321620080506-1-2	Extended nose piece M6 (5 mm) 13.0 mm
321620080508-1-2	Extended nose piece M8 (5 mm) 16.0 mm
321620080510-1-2	Extended nose piece M10 (5 mm) 19.0 mm
321620080512-1-2	Extended nose piece M12 (5 mm) 19.0 mm

Special mandrels



Extended threaded mandrels (for folding blind rivet nuts)

321620905406	Extended Mandrel M6 (54 mm) with insertion chamfer
321620906008	Extended Mandrel M8 (60 mm) with insertion chamfer
321620906610	Extended Mandrel M10 (66 mm) with insertion chamfer

Threaded mandrels with left-hand thread

321620002208	Mandrel M8 with left-hand thread and insertion chamfer
321620002210	Mandrel M10 with left-hand thread and insertion chamfer
321620002212	Mandrel M12 with left-hand thread and insertion chamfer

UNC threaded mandrels

321620080004	Mandrel UNC 4-40
321620080006	Mandrel UNC 6-32
321620080008	Mandrel UNC 8-32
321620081009	Mandrel UNC 10-24
321620080014	Mandrel UNC 1/4-20
321620080038	Mandrel UNC 3/8-16
321620080516	Mandrel UNC 5/16-18

UNF threaded mandrels

321620080010	Mandrel UNF 10-32
321620080140	Mandrel UNF 1/4-28
321620080716	Mandrel UNF 7/16-20

i Always use the next larger metric standard nose piece.



Flexible and mobile setting of self-clinching elements?

Talk to us – we can offer you solutions here, too.

Pneumatic tools



MADE IN GERMANY

Process monitoring available

Real classics

Automation integration

Fast maintenance.

Comprehensive service.

Extensive range of special accessories available from stock

Original HONSEL spare parts

Individual adaptations are possible.

Decades of experience and continuous optimisation and further development make the successful HONSEL tools from the BZ and VNG Series your reliable partner 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 special configurations such as axial versions or angular riveting heads leave nothing to be desired.



ONLINE-CHECK-IN

Take advantage of the possibility of checking in repairs and maintenance in advance on our Internet website.

The innovative system packaging

Compatible with all L-Boxxes from other manufacturers.

L-BOXX®



HONSEL BZ 221A

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



Comfortable

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



Durable

High-quality, durable plastic housing.

Flexible

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



Individual

Individual setting possibilities for the extractor.

Nose pieces stored directly in the base of the tool.



Safe and compact

Cover cap for reliable blind rivet setting without mandrel container in tight installation situations.



Sturdy

Large, sturdy mandrel container for sheared blind rivet studs.

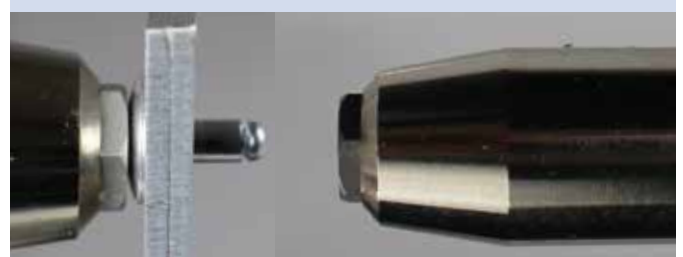


Practical

Integrated hanger bracket for working with balancer.

Optimised

Very flat standard nose pieces with reduced cone angle length improve the setting behaviour and make the work process faster.



Individual pneumatic tools



Example for an extended front sleeve with a special nose piece.

Retrofits.	For use with standard rivets	Very small diameters Ideal for confined riveting positions
-------------------	-------------------------------------	--

Extended front sleeves

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

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

Blind rivets with extended mandrels are not necessary!

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

321103010130	Conversion kit for extended front sleeve (130 mm)
321103010170	Conversion kit for extended front sleeve (170 mm)
321103010210	Conversion kit for extended front sleeve (210 mm)

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

321123010130	Conversion kit for extended front sleeve (130 mm)
321123010170	Conversion kit for extended front sleeve (170 mm)
321123010210	Conversion kit for extended front sleeve (210 mm)

Extended front sleeves VNG 703

321703010170	Conversion kit for extended front sleeve (170 mm)
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Extended front sleeves VNG 903

321903010170	Conversion kit for extended front sleeve (170 mm)
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Individual pneumatic tools



Extended front sleeve **with large holding area**

Comfort trigger

AXIAL setting tool bracket can be used horizontally and vertically without modification



Axial setting

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

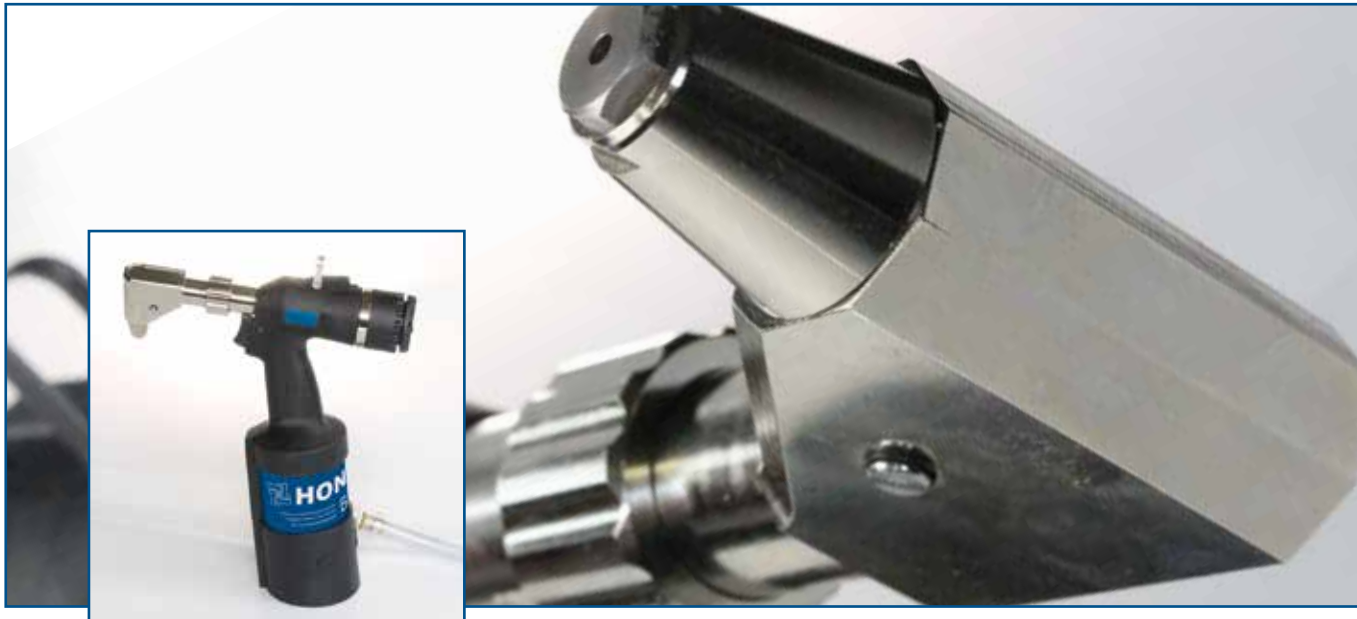
Correspondingly modified versions are available for rivet setting in vertical direction, especially in industrial series production applications. The tools are converted at the factory.

Our Technical Field Service is available for consultation on site.



320103000000-2-1	BZ 103A AXIAL
320123000000-2-1	BZ 123A AXIAL
320703000000-2-1	VNG 703 AXIAL
320903000000-2-1	VNG 903 AXIAL

Individual pneumatic tools



In sturdy
high quality.

Any posi-
tion can be
reached.

Freely adjust-
able.

Angular riveting heads

Various **angular riveting heads** are available on request in order to be able to set blind rivets even at difficult-to-reach places.

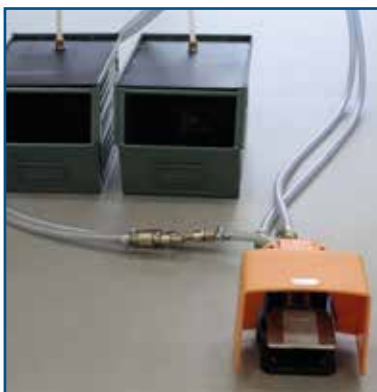
Angular riveting head 5000/12

Stroke	5,000 N
Overall height	85.6 mm
Width	24.0 mm
Length	117.0 mm

Angular riveting head 9200/17

Stroke	9,200 N
Overall height	88.0 mm
Width	34.2 mm
Length	121.0 mm

321102000600	Angular rivet head 5000 12
360008800000	Angular rivet head 9200 17



Perfect handling of the part

Simple and convenient

Greater **safety** and **cleanliness** at the workplace

Stud discharge

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

Frequent emptying is no longer necessary- you can continue to work without interruption. The workplace is kept free of sheared rivet studs.

Foot release

Actuation of the riveting tool by foot release leaves both hands free for positioning the part to be riveted.

Ideal in combination with installation in an existing fixture / worktop. It is also possible to trigger several tools simultaneously with one foot release.

We will be happy to provide you with further details.

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

320103000000	BZ 103 A prepared for foot controlled trigger
320123000000	BZ 123 A prepared for foot controlled trigger
320703000000	VNG 703 prepared for foot controlled trigger
321103001504	Foot controlled trigger complete

Not retrofittable!

BZ 103A

Setting tool for blind rivets

Pneumatic-hydraulic | with permanent and intermittent extraction



Reliable, sturdy, proven ten thousand times over.

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

Weight 1,800 g	11,700 N Setting force	18 mm Stroke	up to 5.0 mm Diameter
Including all conversion parts	Individually and precisely adjustable stud extraction	Very fast setting process	Low air consumption. Reduced noise.

Working range

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
- < 75 dB(A) (68:32)
- G 1/4 inside thread, can be fitted on left or right
- 5-7 bar
- 2,4 litre



Scope of supply

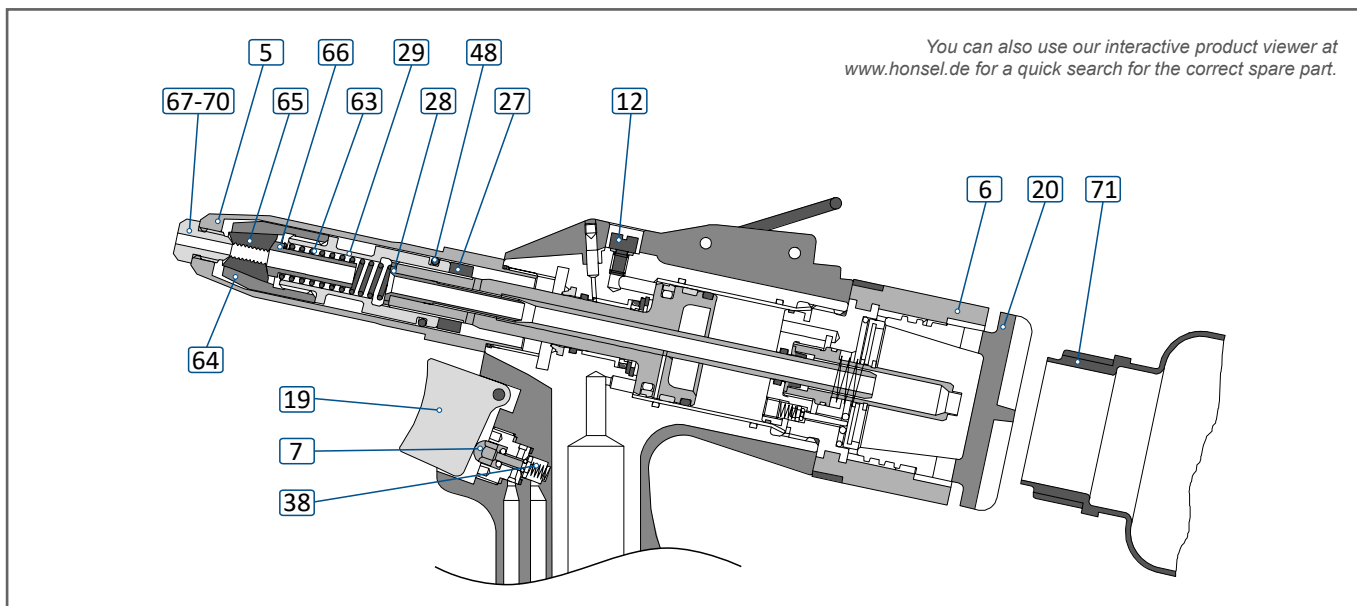
- 1x BZ 103A pneumatic-hydraulic riveter in L-Boxx®
- 4x nose piece
- 1 bottle of hydraulic oil with refill unit
- 1 set of clamping jaws
- 2x mandrel container

32010300000-90-1 | Setting tool for blind rivets BZ 103 A



Further family facts on pneumatic tools can be found on page 73.

BZ 103 A



You can also use our interactive product viewer at www.honsel.de for a quick search for the correct spare part.

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	Lock nut M12x1
28	321121000121	Vacuum nozzle
29	321102000025	Spacer

38	321102000036	Pressure spring trigger
48	321101000042	O-ring 15.0x2.0
63	311045000013	Pressure spring clamping mechanism
64	311045000010	Clamping sleeve
65	321070000241	Clamping jaws (1 set = 3 pcs)
66	311055000020	Guide sleeve
71	321082000010	Drilled mandrel collector
no fig.	321221000065	Extended mandrel collector
no fig.	321101000091	Wind deflector to divert the mandrel suction air flow BZ tools

Standard nose pieces

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

- Special nose pieces for specific customer applications can be produced at short notice.
- Extended front sleeves and further accessories on pages 74- 77.
- Pneumatic accessories on page 89.

Special nose pieces

For recessed riveting points

Extended nose pieces 7 mm



321103932070	Extended nose piece 3.0/3.2 mm
321103940075	Extended nose piece 4.0 mm
321103950070	Extended nose piece 4.8/5.0 mm

Extended nose pieces 20 mm



321103932200	Extended nose piece 3.0/3.2 mm
321103940200	Extended nose piece 4.0 mm
321103950200	Extended nose piece 4.8/5.0 mm

Suitable for OPT[®] multigrip blind rivet with extended mandrel.

For 5.0 mm large dome head blind rivets



321085000511	Facade nose piece head 11.0 mm
321085000514	Facade nose piece head 14.0 mm
321085000516	Facade nose piece head 16.0 mm

For 4.8 mm FER[®] BOLT high-strength blind rivets



321101008401	Nose piece FER-BOLT [®] 4.8 mm
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For 5.2 mm folding blind rivets



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



321085009124	CERTO [®] -Nose piece 4.0 mm
321085009125	CERTO [®] -Nose piece 4.8/5.0 mm

BZ 123A

Setting tool for blind rivets

Pneumatic-hydraulic | with permanent and intermittent extraction



Very powerful. Very large stroke.

The really powerful tool from HONSEL for blind rivets up to 8.0 mm diameter! With a very long stroke of 25 mm it is also eminently suitable for the setting of high-strength FERRO® BOLT blind rivets.

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.

Weight 2,340 g	18,700 N Setting force	25 mm Stroke	up to 8.0 mm Diameter
Suitable for FERRO® BOLT	Individually and precisely adjustable stud extraction	Very large stroke	Low air consumption. Reduced noise.



Working range

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



< 75 dB(A) (68,32)



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



5-7 bar



3,5 litre



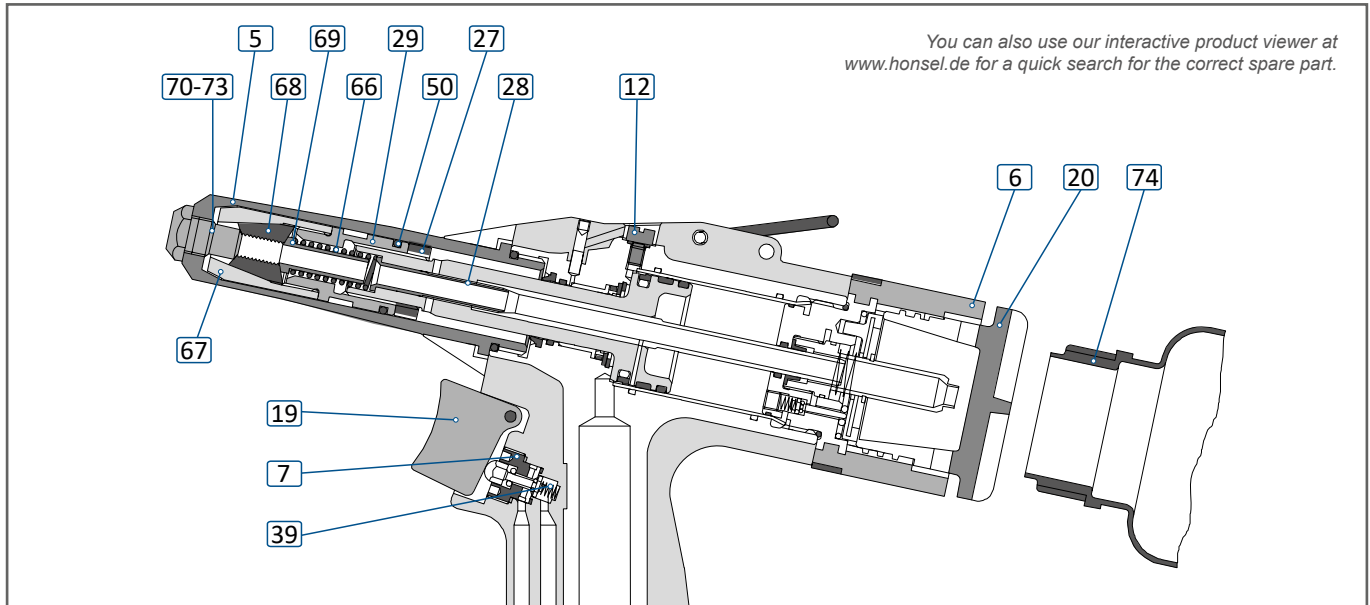
Scope of supply

- 1x BZ 123A pneumatic-hydraulic riveter in L-Boxx®
- 4x nose piece
- 1 set of clamping jaws
- 1 bottle of hydraulic oil with refill unit
- 2x mandrel container

320123000000-90-1

Setting tool for blind rivets BZ 123A

Further family facts on pneumatic tools can be found on page 73.



You can also use our interactive product viewer at www.honsel.de for a quick search for the correct spare part.

Spare / wear parts and accessories

5	321121000016	Front sleeve incl. o-ring
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	Lock nut M14 x 1.5
28	321221000014	Vacuum nozzle
29	321122000025	Spacer

39	321102000036	Pressure spring trigger
50	321120000014	O-ring 16.0x2.0
66	311045000013	Pressure spring clamping mechanism
67	321120000012	Clamping sleeve
68	321120000011	Clamping jaws (1 set = 3 pcs)
69	321120000010	Guide sleeve
74	321082000010	Drilled mandrel container
o. Abb.	321221000065	Extended mandrel container

Standard nose pieces

70	321120000124	Standard nose piece 4.0 mm
71	321120000125	Standard nose piece 4.8/5.0 mm
72	321120000126	Standard nose piece 6.0 mm
73	321120000127	Standard nose piece 6.4/8.0 mm

- Special nose pieces for specific customer applications can be produced at short notice.
- Extended front sleeves and further accessories on pages 74- 77.
- Pneumatic accessories on page 89.

Special nose pieces

For recessed riveting points

Extended nose pieces 7 mm



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

Extended nose pieces 20 mm



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

Suitable for OPTO® multigrip blind rivet with extended mandrel.

For 5.0 mm large dome head blind rivets



321120000511	Facade nose piece head 11.0 mm
321120000514	Facade nose piece head 14.0 mm
321120000516	Facade nose piece head 16.0 mm

For 4.8 mm FERRO® BOLT high-strength blind rivets



361121008401	Nose piece FERRO-BOLT® 4.8 mm
361121008601	Nose piece FERRO-BOLT® 6.4 mm

For 5.2/6.3 mm folding blind rivets



321123716052	Nose piece for folding blind rivets 5.2 mm
321123716063	Nose piece 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.

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.

Weight 2,340 g	24,000 N Setting force	18 mm Stroke	up to 8.0 mm Diameter
--------------------------	----------------------------------	------------------------	------------------------------------

Working range

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

< 75 dB(A)

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

5-7 bar

3,5 litre

Scope of supply

- 1x BZ 133A pneumatic-hydraulic riveter in L-Boxx®
- 4x nose piece
- 1 bottle of hydraulic oil with refill unit
- 1 set of clamping jaws
- 2x mandrel container

320133000000-1-1

Setting tool for blind rivets BZ 133A

Further family facts on pneumatic tools can be found on page 73.

Spare and wear parts

321121000016	Front sleeve incl. o-ring
321102000007	Release valve
361122000022	Clamping sleeve
361122000020	Clamping jaws (1 set = 3 pcs)
321120000010	Guide sleeve
321221000014	Vacuum nozzle
321102000016	Trigger
311045000013	Pressure spring clamping mechanism
321101000027	Oil drain plug including o-ring
321102000017	Closing cap mandrel capture
321082000010	Drilled mandrel container
321221000065	Extended mandrel container

Nose pieces

321120000124	Standard nose piece 4.0 mm
321120000125	Standard nose piece 4.8/5.0 mm
321120000126	Standard nose piece 6.0 mm
321120000127	Standard nose piece 6.4/8.0 mm



Reliable with low wear.

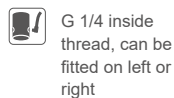
On the HONSEL BZ 143A, the clamping jaws are specially adapted to the trapezoidal grooves of the rivet mandrel.

Together with the modified clamping mechanism, this ensures safe and **positive-fit setting** of high-strength blind rivets of type FERRO® BULB (or comparable types) with a stud diameter of 3.8 to 6.15 / 6.5 mm is guaranteed!

Weight 2,500 g	24,000 N Setting force	18 mm Stroke	up to 8.0 mm Diameter
Suitable for FERRO® BULB	Optimised for grooved mandrels	Positive-fit setting	Minimum wear on the clamping jaws

Working range

2,4	3,0	3,2	4,0	4,8	5,0	6,0	6,4	8,0
							Aluminium	
							Steel	
							Stainless steel	



Scope of supply

- 1x BZ 143A pneumatic-hydraulic riveter in L-Boxx®
- 2x nose piece
- 1 bottle of hydraulic oil with refill unit
- 1 set of clamping jaws
- 2x mandrel container

320143000000-1-1

Setting tool for blind rivets BZ 143A

Further family facts on pneumatic tools can be found on page 73.

Spare and wear parts

321528045080	Clamping jaws (1 set = 3 pcs)
321143000010	Guide sleeve
321143000012	Clamping sleeve
321143000013	Pressure spring
321143000016	Front sleeve
321143000025	Spacer
321082000010	Drilled mandrel container
321221000065	Extended mandrel container
321101000027	Oil drain plug including O-ring



Nose pieces

321143000127	Retention nose piece 6.4 mm
321143000128	Retention nose piece 7.8 mm

VNG 703

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



The force-controlled tool for fast handling of large numbers in series production.

The setting and control of the required setting force guarantees that the blind rivet nut is always optimally and gently set. 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 mandrel automatically threads on the blind rivet nut and unthreads it again fully automatically after setting.

Weight 2,500 g	20,000 N Setting force	9 mm Stroke	up to M8
Stepless setting of the setting force	Fast processing of large quantities	Simple handling	Automatic threading on and off

Working range

M3	M4	M5	M6	M8	M10	M12
	Aluminium					
Steel						
Stainless steel						



Steel optional						
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5-7 bar



< 75 dB(A) (68,32)



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



4,4 litre



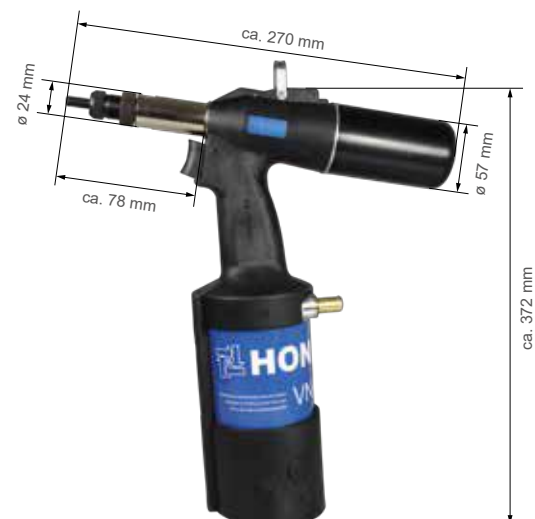
Screwing in 1800 rpm
Unscrewing 2500 rpm



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.



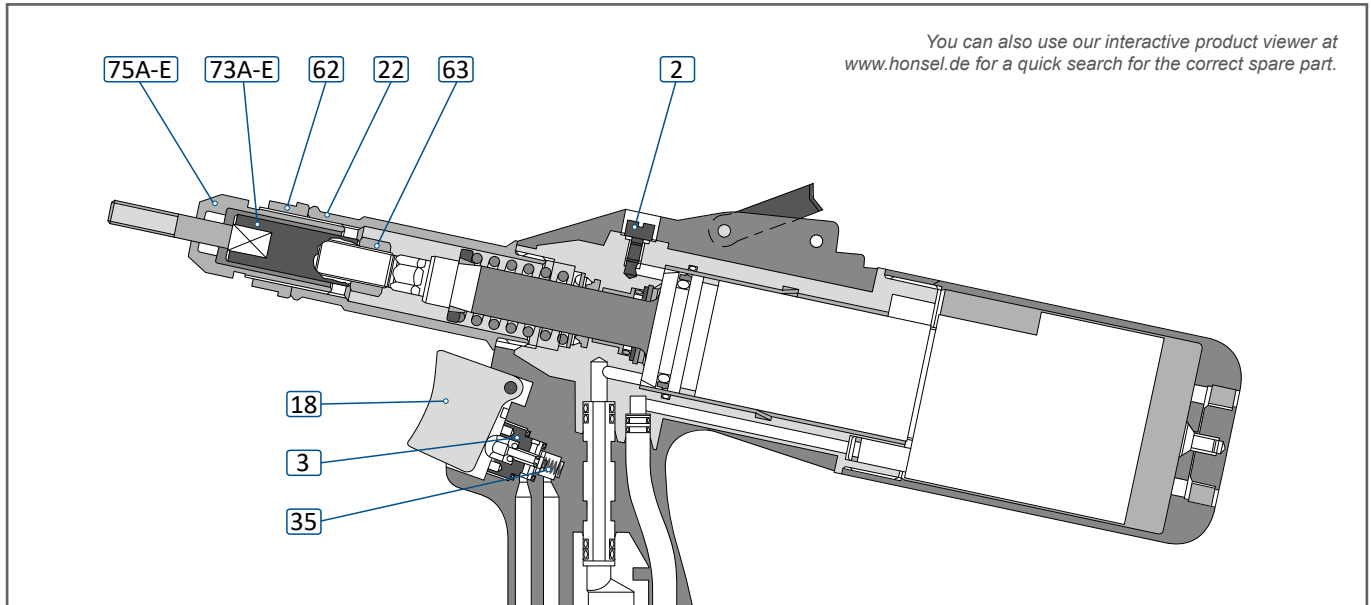
Scope of supply

- 1x VNG 703 pneumatic-hydraulic riveter in L-Boxx®
- 5x conversion kits for blind rivet nuts (M3 - M8)
- 1 bottle of hydraulic oil with refill unit

320703000000-90-1 Setting tool for blind rivet nuts VNG 703

Further family facts on pneumatic tools can be found on page 73.





You can also use our interactive product viewer at www.honsel.de for a quick search for the correct spare part.

Spare and wear parts

2	321101000027	Oil drain plug M4 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

Nose pieces

75A	31180000203	Nose piece M3
75B	31180000204	Nose piece M4
75C	31180000205	Nose piece M5
75D	31180000206	Nose piece M6
75E	31180000208	Nose piece M8

Nose pieces HEADLESS



321800004206	Nose piece M6 HEADLESS
321800004208	Nose piece M8 HEADLESS

Mandrels/sleeves

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

UNC/UNF Mandrels



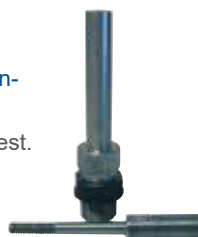
321800975006	Mandrel UNC 6-32
321800975008	Mandrel UNC 8-32
321800975010	Mandrel UNC 10-24
321800975014	Mandrel UNC 1/4-20
321800975516	Mandrel UNC 5/16-18
321800975100	Mandrel UNF 10-32
321800975140	Mandrel UNF 1/4-28
321800122517	Mandrel UNF 5/16-24

Nose pieces UNC/UNF Mandrels

31180000204	Nose piece M4 for mandrel UNC 6-32
31180000205	Nose piece M5 for mMandrel UNC 8-32 and 10-24, UNF 10-32
31180000208	Nose piece M8 for mandrel UNC 1/4-20 and 5/16-18, UNF 1/4-28 and 5/16-24

! Special accessories, nose pieces and mandrels, for example in extended form or for inside riveting locations available on request.

▶ Pneumatic accessories on page 89.



VNG 903

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



The stroke-controlled solution for large tasks

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 mandrel with light pressure. Threading is likewise stopped automatically; the threading time can be set.

Also easily handled:
self-clinching elements.



Weight 2,700 g	29,000 N Setting force (at 7 bar)	7 mm Stroke	up to M12 (optional)
Sophisticated design	Individual setting options	Comfortable Simple Practical	Automatic threading on and off

Working range

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



Steel optional		
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5-7 bar



< 75 dB(A) (68,32)



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



7.5 Liter



Screwing in 1800 rpm
Unscrewing 2500 rpm



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



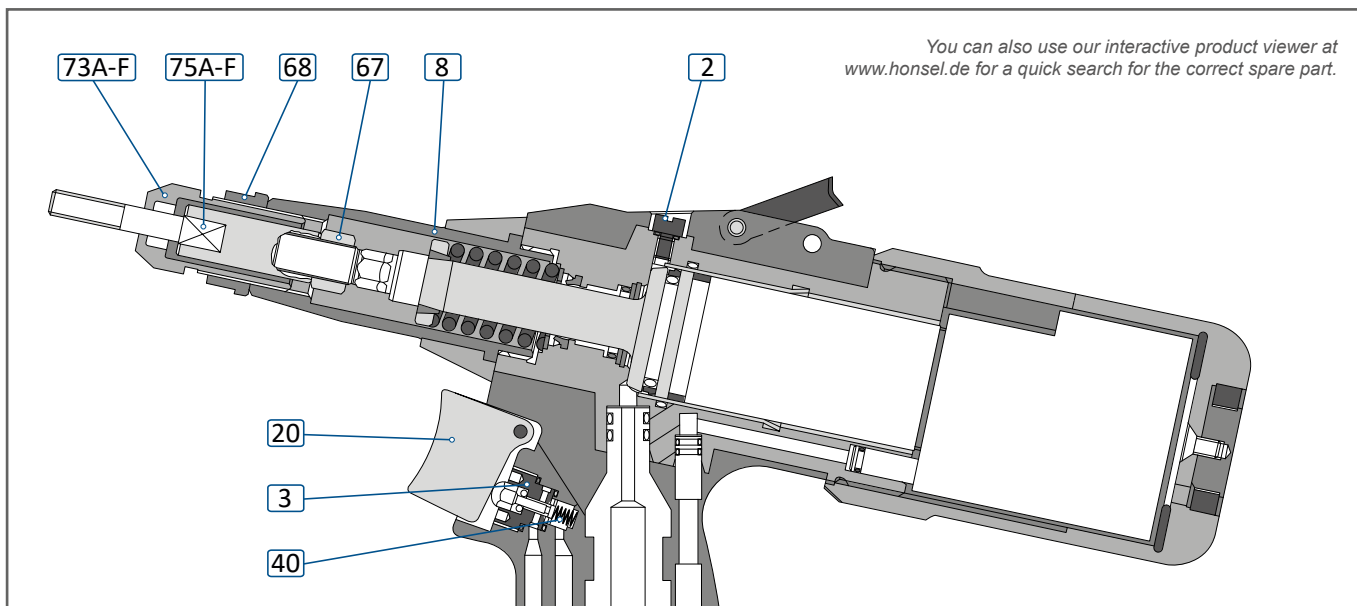
Scope of supply

- 1x VNG 903 pneumatic-hydraulic riveter in L-Boxx®
- 5x conversion kits for blind rivet nuts
- 1 bottle of hydraulic oil with refill unit

320903000000-90-1 Setting tool for blind rivet nuts VNG 903

Further family facts on pneumatic tools can be found on page 73.





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

Nose pieces

73A	31180000204	Nose piece M4
73B	31180000205	Nose piece M5
73C	31180000206	Nose piece M6
73D	31180000208	Nose piece M8
73E	31180000210	Nose piece M10
73F	31180000212	Nose piece M12

Nose pieces HEADLESS



321800004206	Nose piece M6 HEADLESS
321800004208	Nose piece M8 HEADLESS
321800004210	Nose piece M10 HEADLESS



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

321801000080	Stroke circlip
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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 M4 RIFBOLT
74B	321800009050	Threaded sleeve M5 RIFBOLT
74C	321800009060	Threaded sleeve M6 RIFBOLT
74D	321800009080	Threaded sleeve M8 RIFBOLT

UNC/UNF Mandrels



321800975008	Mandrel UNC 8-32
321800975010	Mandrel UNC 10-24
321800975014	Mandrel UNC 1/4-20
321800975038	Mandrel UNC 3/8-16
321800975516	Mandrel UNC 5/16-18
321800975100	Mandrel UNF 10-32
321800975140	Mandrel UNF 1/4-28
321800122380	Mandrel UNF 3/8-24
321800122517	Mandrel UNF 5/16-24
321800122716	Mandrel UNF 7/16-20

Nose pieces UNC/UNF Mandrels

31180000205	Nose piece M5 for mandrel UNC 8-32 and 10-24, UNF 10-32
31180000208	Nose piece M8 for mandrel UNC 1/4-20 and 5/16-18, UNF 1/4-28 and 5/16-24
31180000210	Nose piece M10 for mandrel UNC 3/8-16
31180000212	Nose piece M12 for mandrel UNF 7/16-20

VNG 753

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



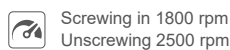
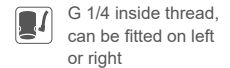
Folding blind rivet nuts are used wherever fragile components are connected and the forces that occur must be distributed material-friendly over the large folded setting head. Due to the very large stroke of up to 15 mm and with extended threaded mandrels these can be set quickly and easily.

Weight 2,900 g	19,000 N Setting force	8-15 mm Stroke	up to M10 (optional)
For folding blind nuts	Individual Setting options	Very long stroke	Automatic threading on and off



Working range

M3	M4	M5	M6	M8	M10	M12
		optional	Steel		optional	



Spare parts

321101000027	Oil drain plug including O-ring
321801000074	Lock nut M18x1
321801000080	Stroke circlip

Nose pieces / mandrels

311800000205	Nose piece M5
311800000206	Nose piece M6
311800000208	Nose piece M8
311800000210	Nose piece M10
361800008513	Mandrel M5 extended by 5 mm
361800008613	Mandrel M6 extended by 6 mm
361800008813	Mandrel M8 extended by 10 mm
361800098101	Mandrel M10 extended by 5 mm



Scope of supply

- 1x VNG 753 pneumatic-hydraulic riveter in L-Boxx®
- Conversion kits for M6 and M8 folding blind rivet nuts
- 1 bottle of hydraulic oil with refill unit

320753000000-1-1	Setting tool for blind rivet nuts VNG 753
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Further family facts on pneumatic tools can be found on page 73.

Pneumatic accessories for BZ and VNG tools

Add to your order!

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



Pos.	Artikel-Nr.	Bezeichnung
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	321121000052-1-1	Valve extension 1/8"
5	321121000058-1-1	Screw-in hose connector -set- G 1/4" 9 mm
6	320848000009-1-1	Plug connection 7 mm G 3/8 for compressed-air service unit
7	320848000012-1-1	Plug connection 7 mm G 1/4 for pivoting threaded pipe angle
8	320848000010-1-1	Coupling G 1/4"
9	320848000004-1-1	Pressure controller 7 bar
10	320848000005-1-1	Compressed air spiral hose incl coupling and plug connection -length 4 m-
11	320848000006-1-1	Compressed air spiral hose incl coupling and plug connection -length 6 m-
12	320848000008-1-1	Compressed air spiral hose incl coupling and plug connection -length 8 m-
13	321101006467-1-1	Oil re-fill unit for all tools of BZ- and VNG-series
14	320848000001-1-1	Filter regulator G3/8 complete
15	320848000002-1-1	Maintenance unit. 2-part. complete
no fig.	320848000003-1-1	Replacement filter for filter regulator
no fig.	320848000011-1-1	1 litre of pneumatic motor oil
no fig.	321101000091-1-1	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 filter regulator with filter 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.

HONSEL automation



MADE
IN
GERMANY

**MADE IN
GERMANY**

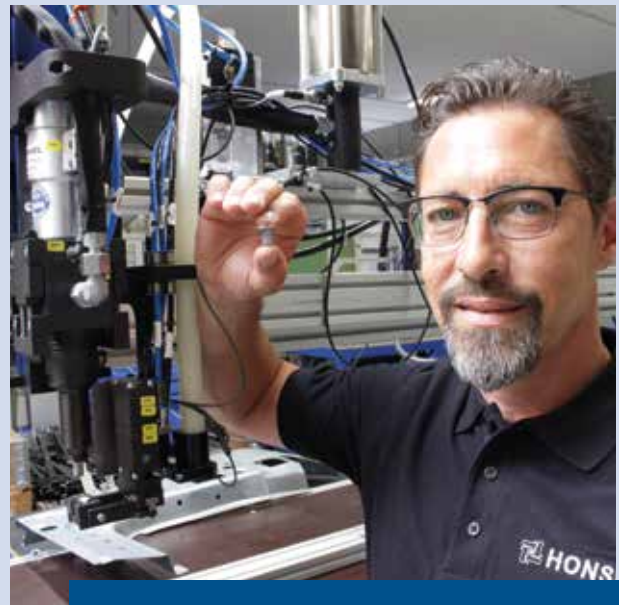
Highest
quality
standards

Customer-
oriented special
solutions

Service and
commissioning
on site

Consultation,
production
and assembly

Certified in
accordance
with ISO 9001



We supply components with a system.

Together with partners in mechanical and plant engineering, we develop sophisticated setting solutions for industrial production.

Here we and our customers benefit from decades of experience with a focus on the automotive industry.

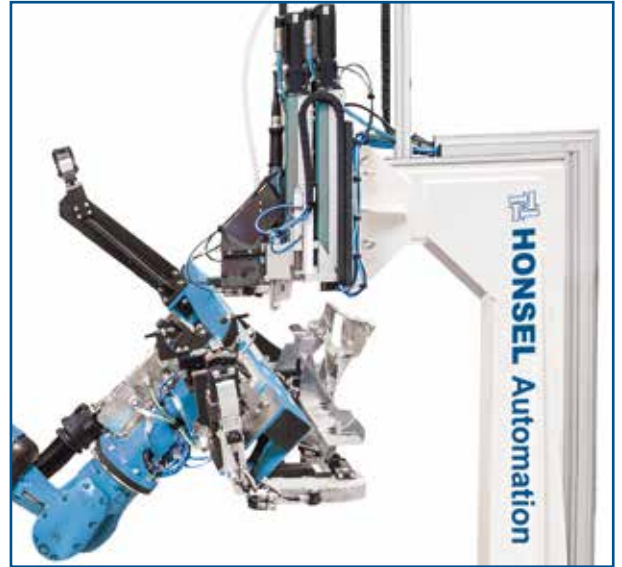
Marko Schulz. Head of Automation Business Unit.

HONSEL automates. We support the optimisation of production processes. Individual. Automated. Monitored.

A team of experienced development engineers, designers and service staff accompanies the implementation from the initial idea and request through to design, installation and support during operation.

Tools and components

HONSEL develops, produces and installs customised system components (manual and stationary) for industrial series production and the automotive industry.



Manual workstations

HONSEL manual workstations for the semi-automatic setting of fasteners can be individually configured and thus designed for any area of application.

Particularly with small quantities, our manual workstations offer a convenient alternative that is less investment-intensive than a fully automated solution.

Our manual workstations are also used in pilot series production and can be used for reworking in the further course of production directly downline of a machine after implementation of an automation solution.



Process monitoring

HONSEL received the first patent for process monitoring in blind rivet setting 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 as well as sealing plugs.



BZ setting tools (manual)



Manual setting tools for blind rivets and sealing plugs

Pneumatic-hydraulic setting tools of the BZ series for process-monitored, manual setting of blind rivets and sealing plugs. Compact, sturdy, handy and reliable. The process-monitored manual setting tools of the BZ series meet the highest demands and are the result of decades of experience.



BZ setting tools

	BZ 125 DMSD 2G	BZ 145 DMSD 2G
Setting force at 6.0 bar:	~19,000 N	~ 24,000 N
Stroke:	25 mm	18 mm
Air consumption:	~ 3.5 litres/riveting	~ 8.2 litres/riveting
Blind rivets and sealing plugs with stud diameter:	< 4.8 mm	< 6.5 mm
Weight:	2.3 kg	2.4 kg
Riveting time: Until shearing	≤ 1 second	≤ 1 second
Forward and return stroke (without feeding)	≤ 2 seconds	≤ 2 seconds

VNG setting tools (manual)



Manual setting tools for blind rivet nuts and studs

The process-monitored manual setting tools of the VNG series impress with their high reliability. The sleek design enables very good handling for access to even hard-to-reach setting positions.



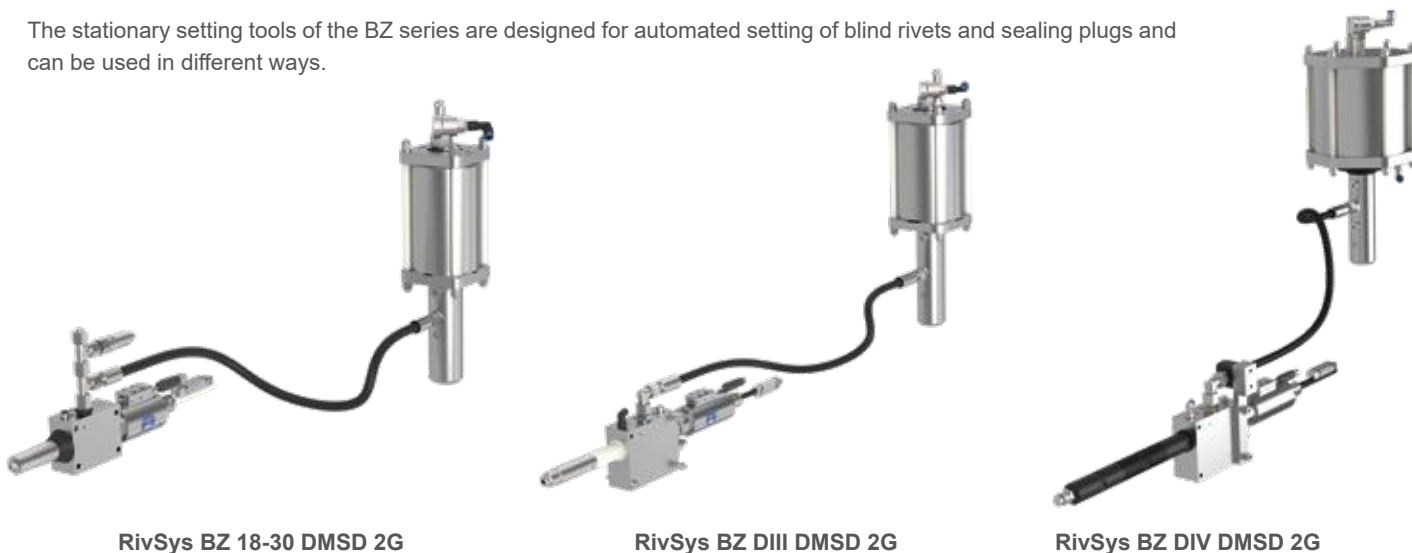
	VNG 925 DMSD 2G / VNG 925 G DMSD 2G		VNG 940 G DMSD 2G
Setting force at 6.0 bar:	~22,000 N		~36,000 N
Stroke:	7 mm		14 mm
Drive:	with integrated pressure transducer	with external pressure transducer	with external pressure transducer
Weight:	2.3 kg	1.6 kg	2.3 kg
Riveting time per unit until setting	≤ 1 second	≤ 1 second	≤ 1 second
Forward and return stroke	≤ 2 seconds	≤ 2 seconds	≤ 2 seconds

Stationary BZ Series



Stationary setting tools for blind rivets and sealing plugs

The stationary setting tools of the BZ series are designed for automated setting of blind rivets and sealing plugs and can be used in different ways.



RivSys BZ 18-30 DMSD 2G

RivSys BZ DIII DMSD 2G

RivSys BZ DIV DMSD 2G

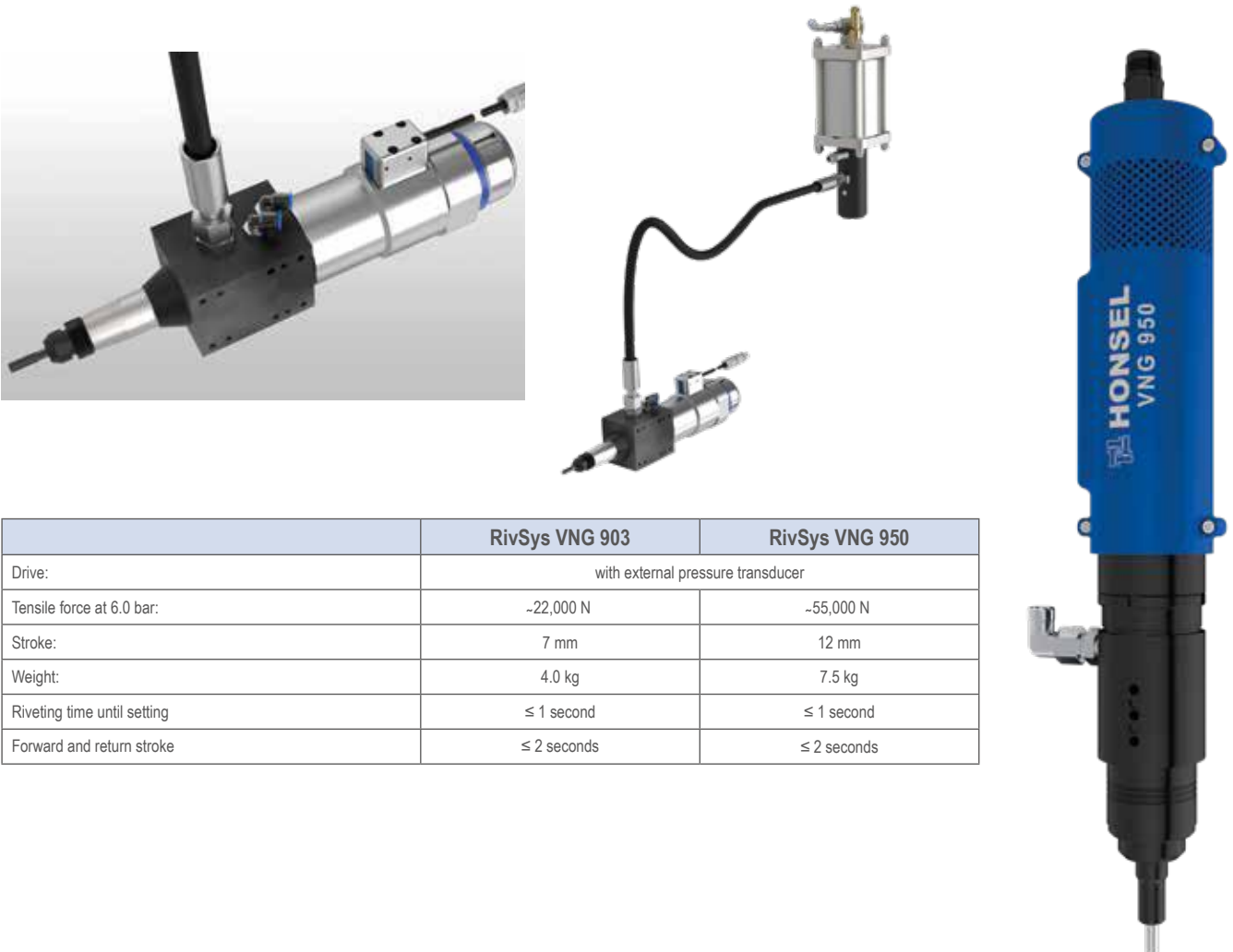
Technical data

	RivSys BZ 18/30	RivSys BZ DIII	RivSys BZ DIV
Drive:	with standard RivSys pressure transducer		
Tensile force at 6.0 bar:	~12,500 N	~ 24,000 N	~48,000 N
Stroke:	21 mm	21 mm	21 mm
Air consumption:	~ 3.5 litres/riveting	~ 8.2 litres/riveting	~ 19 litres/riveting
Air consumption for extraction:	~ 80 litres/minute	~ 80 litres/minute	~ 200 litres/minute
Extractor connection thread:	M5	M5	R1/8
Hydraulic connection:	R1/4	R1/4	R1/4
Blind rivets and sealing plugs with stud diameter:	< 4.5 mm	< 6.5 mm	< 7.0 mm
Riveting time: Until shearing	≤ 1 second	≤ 1 second	≤ 1 second
Forward and return stroke (<i>without feeding</i>)	≤ 2 seconds	≤ 2 seconds	≤ 3 seconds



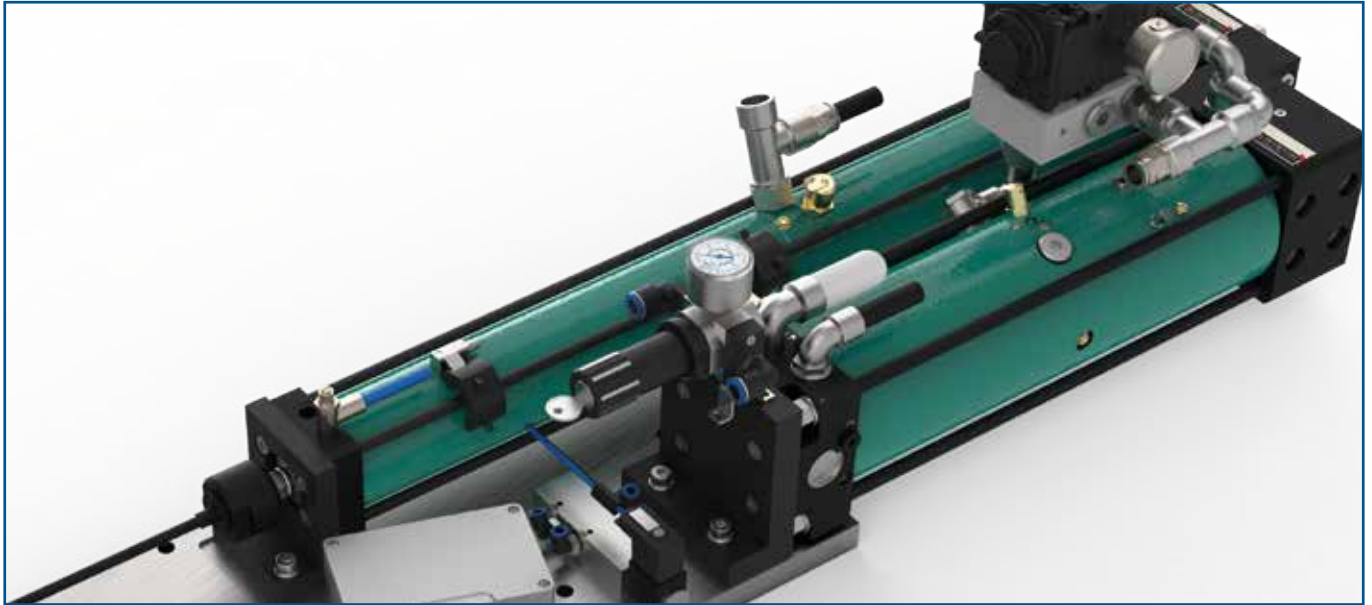
RivSys VNG DMSD 2G

The RivSys VNG DMSD 2G components are pneumatic-hydraulic setting tools with an external pressure transducer. They are used for automatic, stationary and monitored setting of blind rivet nuts and studs and can be used in various ways.



	RivSys VNG 903	RivSys VNG 950
Drive:	with external pressure transducer	
Tensile force at 6.0 bar:	~22,000 N	~55,000 N
Stroke:	7 mm	12 mm
Weight:	4.0 kg	7.5 kg
Riveting time until setting	≤ 1 second	≤ 1 second
Forward and return stroke	≤ 2 seconds	≤ 2 seconds

Automation components



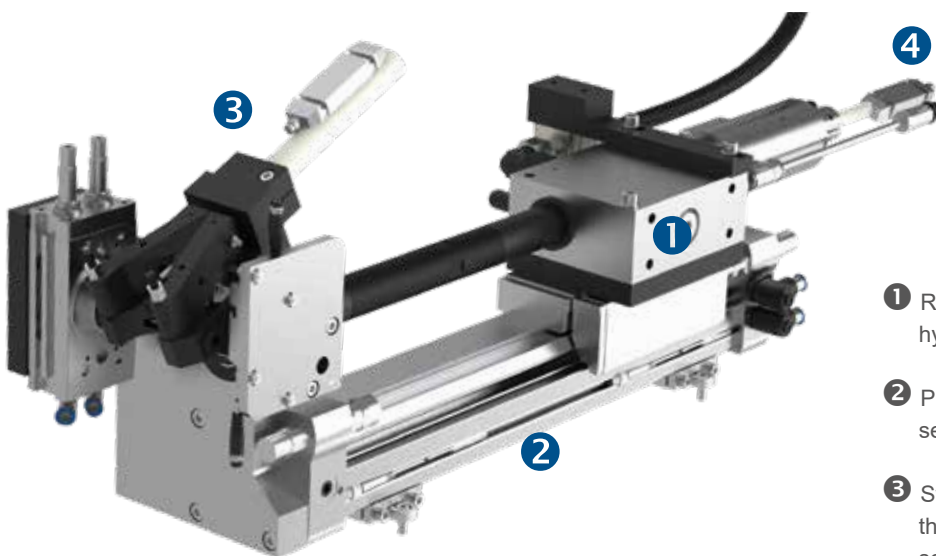
Riwo (riveting workstations)

HONSEL offers complete stand-alone systems (Riwo) for automated and process-monitored setting of blind rivets, sealing plugs, blind rivet nuts and blind rivet studs, as well as coil threaded inserts.

The Riwo units are of modular design and can be integrated into higher-level plant systems via a defined interface.

Riwo BZ DMSD 2G

The modular Riwo BZ DMSD 2G is a fully automated unit for blind rivets and sealing plugs within an automated production line.



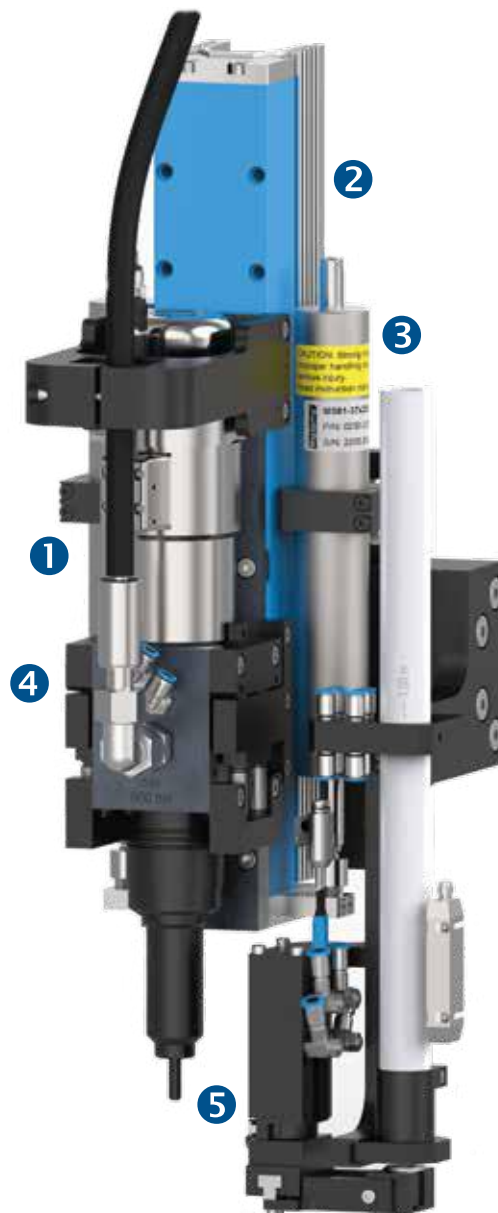
- 1 RivSys BZ DMSD 2G pneumatic/hydraulic setting unit
- 2 Pneumatic linear unit for feeding to the setting position
- 3 Swivel / gripper unit for transferring the blind rivet nut or sealing plug to the setting unit
- 4 Sensor-monitored disposal of the mandrel head

Riwo VNG DMSD 2G

The modular Riwo VNG DMSD 2G is a fully automated unit for setting blind rivet nuts and blind rivet studs within an automated production line.

Riwo VNG DMSD 2G

- 1 RivSys VNG DMSD 2G pneumatic/hydraulic setting unit
- 2 Freely programmable electric cantilever axis with high repeat accuracy (± 0.05 mm) and integrated stroke measuring system (± 0.01 mm)
- 3 Magnetic spring unit for weight compensation
- 4 Floating bearing of the setting unit to compensate for transverse forces during the spindle out process
- 5 Swivel / gripper unit for transferring the blind rivet nut or blind rivet stud to the setting unit



Honsel feeder system for blind rivets, blind rivet nuts and studs and sealing plugs

- ▶ Vibratory conveyor with automatic locator and filling from above
- ▶ Filling level monitoring
- ▶ Suitable for operation outside the assembly cell
- ▶ Extension with bunker possible
- ▶ Multiple separators to the setting systems are possible

COIL screw system



Coil screw system 2G

The modular coil screw system 2G is a fully automated unit for setting coil threaded inserts within an automated production line. Thanks to their lean design, our screwing systems can be installed close to one another. This allows more efficient use of existing production areas and thus greater cost effectiveness of the production. The electric linear motor is very fast (3.2 m/s), allowing cycle times in production to be optimised.

1 Bosch BG2 screwdriver

Turn angle and torque monitored screwdriving technology with encoder, optionally redundant. Screwdriving technology from Desoutter and Atlas-Copco is also available. Other manufacturers on request.

2 Floating screwdriver support

Specially designed support for the screwdriver with tolerance compensation directly at the application.

3 Integrated coil transfer with rotary gripper

Specially adapted gripping force and contour ensure reliable screwing on of the coil threaded inserts.

3 Linear motor

- Freely programmable electric cantilever axis with high repeat accuracy (± 0.05 mm)
- Integrated stroke measuring system (± 0.01 mm)
- The available force range remains constant over the entire travel and can be switched over during travel for individual adjustment of the contact force
- Speed up to 3.2 m/s for short cycle times
- Infeed stroke up to 500 mm

5 Camera

Spindle monitoring for higher output rates.



COIL tools

HONSEL installation mandrels can be used as manual mandrels or for mechanised assembly. HONSEL naturally also offers the matching accessories, such as plug gauges, tang break-off tools and removal tools as well as electric and pneumatic screwdrivers perfectly matched to the HONSEL coils.

Screwdrivers for coil threaded inserts

For use in our coil screwing system 2G, or for use in a manual workstation, we prefer to work with electric screwdrivers from Bosch and Desoutter. These have an integrated transducer for torque and turn angle.



Thread formers

- ▶ With reduced form creasing
- ▶ Ideal for screwing in coil threaded inserts
- ▶ Less abrasion on the coil coating during the screw-in process
- ▶ Special dimensions and tool interfacing on request



Installation mandrel

- ▶ Long service life
- ▶ Optimum surface finish
- ▶ Fixed metal stops for higher repeat accuracy
- ▶ Special dimensions and tool interfacing on request



Bosch

- ▶ Electric screwdriver
- ▶ Integrated transducer for torque and turn angle
- ▶ Torque and speed according to the product



Desoutter

- ▶ Electric screwdriver
- ▶ Integrated transducer for torque and turn angle
- ▶ Torque and speed according to the product

Bosch and Desoutter controller

- ▶ Multi-controller possible above two screwdrivers



Removal mandrel



Plug gauge



Tang break-off tool



COIL feeder systems



Feeding technology describes the process of feeding bulk materials into a setting operation in the correct position. This technology has been standard in HONSEL automation for years. Depending on the application and customer requirements, a fastener can be fed directly into the transfer unit of the setting device via a hose or without compressed air via a pick & place system.

Honsel coil feeder system

- ▶ Vibratory conveyor with automatic locator and filling from above
- ▶ Noise-reduced system thanks to coating and enclosure
- ▶ Parts in contact with the fasteners made of hardened tool steel
- ▶ Suitable for operation outside the assembly cell
- ▶ Sensor technology to detect mixing of different coil dimensions
- ▶ High output rates
- ▶ Multiple separators to the screwing systems are possible



Tang break-off module

- ▶ Pneumatic tang break-off tool
- ▶ Force and speed modified cylinder
- ▶ Tang removal via magnetic coil
- ▶ Adjustment of the impact depth by stroke limitation
- ▶ In the case of blind holes, process-monitored extraction of the tang takes place via a ring sensor
- ▶ Process-adapted impact pin contour to reduce skipped threads



Q-Gate

For 100% inspection after screwing in and tang breakage. Available as a mechanical version for checking the screw-in depth and tang breakage, or as a sensor version for additional checking of the correct thread run.



SYSTEM MAINTENANCE

Regular professional service and maintenance of your HONSEL components helps to significantly increase their availability and to reduce the risk of unscheduled standstills.

We inspect the machine tools at regular intervals according to an agreed maintenance plan. In this way we can guarantee a thorough insight into the individual condition from which the necessary scope of repair and replacement can be identified in good time.

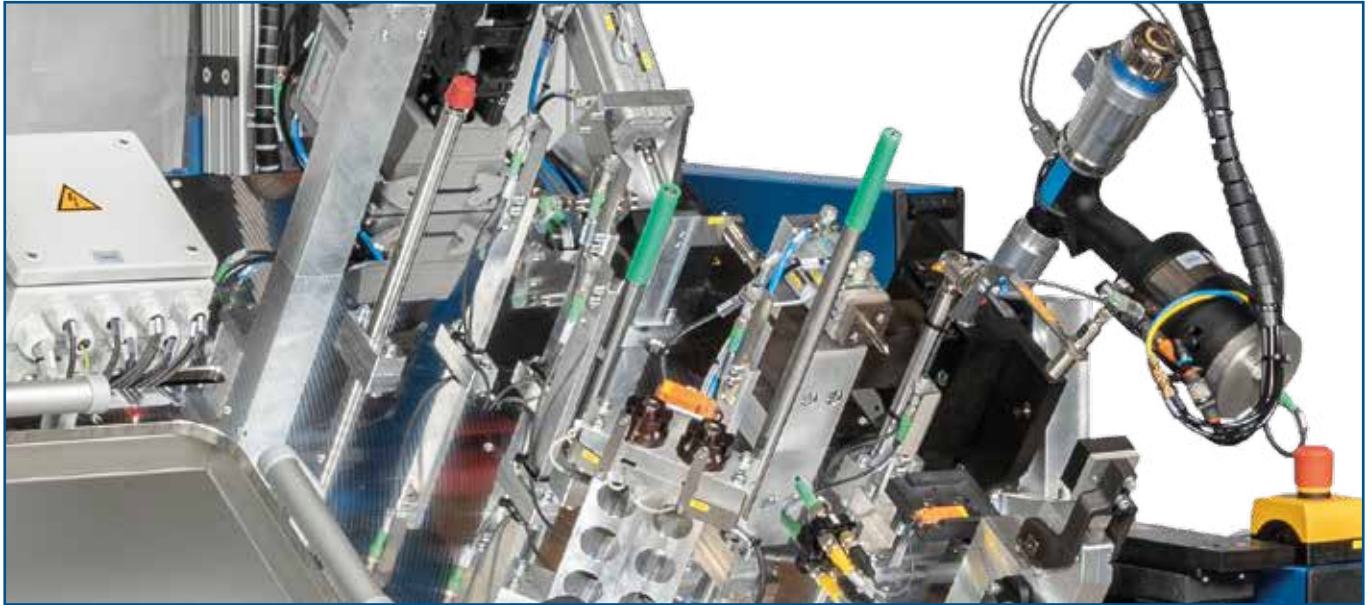
Furthermore, this allows you to constantly optimise your HONSEL machines for your production process and also bring older models up to the state of the art.

In the event of an unscheduled repair, our competent and outstandingly trained service technicians are available at short notice throughout Germany (and beyond, if necessary). Necessary parts can be delivered to your site within hours with the aim of minimising standstill times in your process.

HONSEL Premium Support

Increased system availability	Avoidance of unforeseeable production stoppages	Assurance of quality	Reduction in operating costs
Value retention of the system	Minimisation of accident risks	Improved operational reliability	Relief for the workers

Manual workstations



For **semi-automatic setting**

Convenient and cost-effective

Ideal for small quantities

Perfectly suited to pilot series production

When designing our manual workstations, we differentiate between Premium and Basic depending on the complexity, weight and size of the part, as well as the number of setting tools required and the degree of process monitoring, whereby the major difference here is primarily to be found in the design of the frame. We distinguish here between a profile construction in the Basic range and a welded frame for the Premium variant.

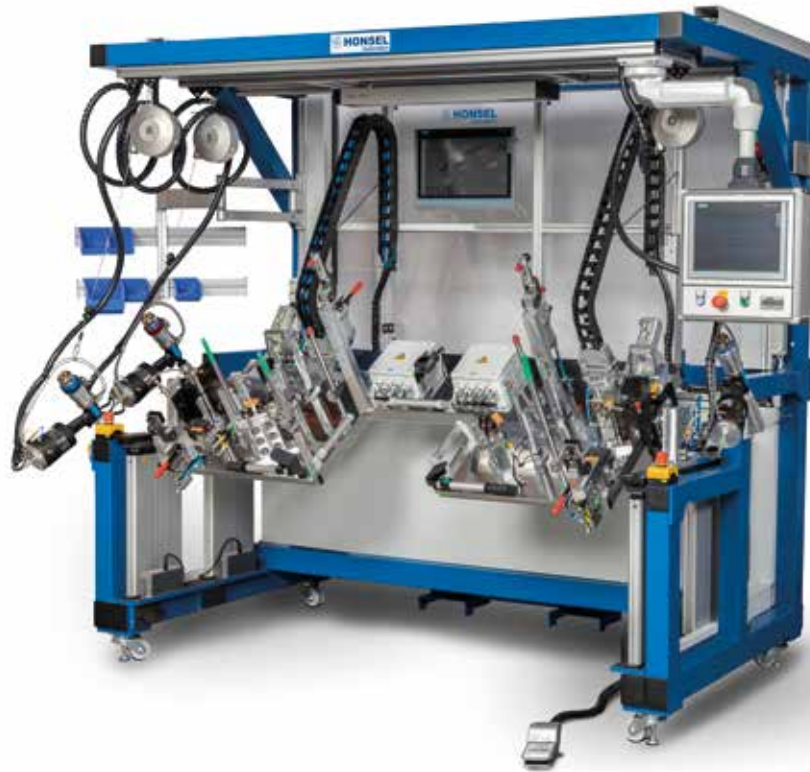
Manual workstations



Maximum monitoring

In addition to the setting tools which are process-monitored anyway, we design our manual workstations with a maximum of process monitoring, depending on the customer's requirements, in order to enable the best possible error minimisation and maximum quality in the production process.





Design features

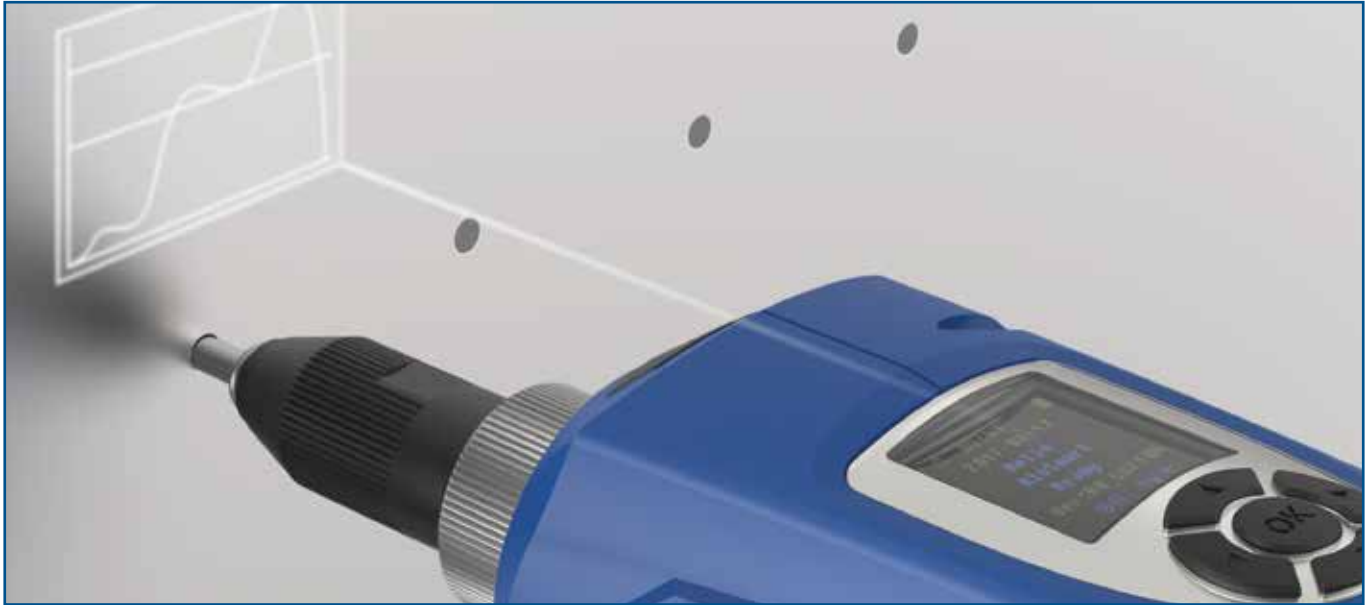
- Load-bearing welded or profile frame on load rollers
- Integrated lighting
- Integrated power supply
- Integrated switch cabinet
- Automatically height-adjustable and rotatable part holding fixture
- Screen for visualising the part and displaying the set job mode
- Control panel for input of the setting parameters and visual display of the monitored parameters
- Filing and storage options
- Safety technology
- Signal light
- Swivelling bulk material bins
- Fully automated monitoring using sensors and cameras

Exemplary process description

- ▶ The part is loaded manually by the operator (if necessary using a lifting aid) and then automatically clamped and locked
- ▶ The integrated display visualises the sequence (job mode) and shows which fasteners have to be set in which order
- ▶ Setting of the fasteners, whereby each setting process is process monitored for setting force and setting stroke, or torque and screw-in depth
- ▶ Only the setting tool specified in the job mode is enabled
- ▶ Only when all the set fasteners have been evaluated as OK is the part released and can be removed by the operator



DMSD process monitoring



<p>Process monitoring since 1990</p>	<p>Minimisation of QA work</p>	<p>Early detection of quality deviations</p>	<p>Quick feedback through transparency in the production process</p>
<p>In-process monitoring of setting processes</p>	<p>Elimination of additional inspection routines</p>	<p>Traceable process results</p>	<p>Wireless for maximum flexibility with the RivSmart</p>

Pioneers of process monitoring in blind riveting technology

For more than 30 years, DMSD has been synonymous with process monitoring in fastener technology. HONSEL received the first patent for process monitoring in blind rivet setting back in 1990.

Since then, the proven concept has been continuously improved, optimised and individually adapted to customer specifications in the current version DMSD 2G.



DMSD

Advantages. In Detail. At a glance.

- Connection possibility for measurement transducers with different output signals from DMS to incremental and piezo measurement transducers without additional amplifiers.
- The resolution of the distance measurement has been improved from 0.1 mm to 0.01 mm. This therefore complies with the VDA demand for 10 times resolution when recording with regard to the evaluation.
- The facility for monitoring maximum force and two additional control windows has been supplemented by two freely parametrisable control windows, even to the extent of envelope curve monitoring.
- It is possible to evaluate up to 10 evaluation elements in one measuring program; no additional program is required for this.
- Up to 108 measuring programs can be stored in the monitoring.
- Up to 20 master programmes are available for component monitoring, which call up the measuring programmes.
- Parametrisation and programming take place via the firmware installed in the controller – no additional program is required.
- Operation and remote maintenance is possible using a VPN tunnel.
- The persons involved can access the functions of the software via the Internet and monitor the actions.



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

Alternatively, when using a VNC viewer, applications can be carried out in which no display module is available or a large monitor can be connected.



DMSD process monitoring



A world of combination possibilities for process monitoring

All HONSEL standard tools and components such as

- RivSys, BZ and VNG pneumatic tools,
- RivSmart eBZ battery riveters,
- automation components and
- manual workstations

for

- blind rivet nuts and studs
- blind rivets and
- coils

can be combined with the DMSD 2G.



BZ 145 DMSD 2G

The BZ 480 DMSD 2G is designed for continuous use in process-monitored industrial series production.



RivSmart eBZ ZERO S

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



VNG 925 G DMSD-2G

The VNG 925 G DMSD 2G is a pneumatic hand-held setting tool for setting blind rivet nuts and studs.

Interface to production network



**PLC
networking**

**Next step to
industry 4.0**

Based on
**recognised
industrial
standards**

**Flexible and
modular**

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.

RivSmart PLCConnect can be quickly and easily integrated into your existing control cabinets and linked to the PLC.

In addition to the digital output module, analogue and other bus systems can also be offered on request.

RivSmart PLCConnect acts as an interface between the setting tool and your PLC, counting the number of rivets set. Dummy strokes are always reliably ignored.

Further possible functions are the transmission of error and service messages to a PLC, and the visualisation of job and process monitoring functions of the RivSmart on a PLC.

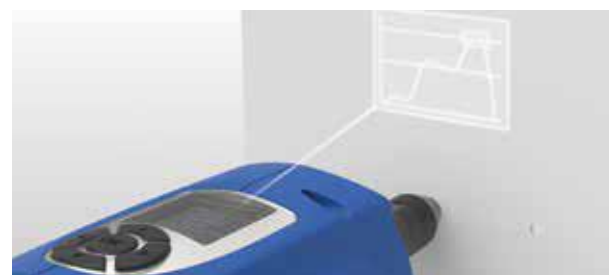
RivSmart PLCConnect is based on industrial PC components from the RevPi Core3 system.

It meets industrial standards such as 24 V DC power supply or standardised DIN rail mounting (EN 50022).

RivSmart PLCConnect

has two main components:

- ▶ **Processor unit**
incl. USB WiFi antenna with cable for external positioning and installation software
- ▶ **Output module**
tailored to your requirements
- ▶ **Optional: Power pack**
for DIN rail mounting





Blind rivets



Blind rivet nuts



Blind rivet bolts



Self-clinching elements



Manual riveters



Pneumatic riveters



Battery riveters



Clinching machines



Automation components



Process monitoring



Self-piercing elements



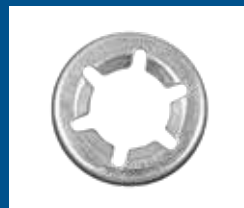
Coil threaded inserts



Powertrain fasteners



Industrial rivets



Axial clamps



Bolts and sleeves