CATALOGUE 2025|26

Blind rivets, blind rivet nuts and riveting tools

A member of SFS

GESIPA®

Overview

1 **Blind rivets**

2 **Cordless blind rivet tools**
Manual blind rivet tools
Battery-powered blind rivet tools

3 **Pneumatic blind rivet tools**
Hydro-pneumatic blind rivet tools

4 **Speed rivet technology**
Fasteners and setting tools

5 **Lockbolt setting tools**

6 **Blind rivet nuts**

7 **Cordless blind rivet nut tools**
Manual blind rivet nut tools
Battery-powered blind rivet nut tools

8 **Pneumatic blind rivet nut tools**
Hydro-pneumatic blind rivet nut tools

9 POS **Point of Sale / Do it yourself**

10 **Spare part catalouge**

NEWS AT GESIPA®

NEW

WHAT'S NEW AT GESIPA®?

At GESIPA® there are always exciting new products. We are constantly expanding our product range to meet the high demands of our customers. Current highlights include the new fasteners, the roof blind rivet, the new UniversalGrip, the new interface for precise quality control and the networkable iBird® Pro CL

Here are our most important innovations at a glance →

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8 Pneumatic blind rivet nut tools

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GESIPA® – AT A GLANCE

1955 year of foundation. High standards, the reliability of GESIPA® fasteners, innovative, high-quality setting tools and process-oriented consulting services have made GESIPA® a valuable and valued partner for trade and industry. Family-owned until the end of 2008, GESIPA® is now a member of the international SFS Group.

PRODUCTION SITES AROUND THE WORLD

ALWAYS AT YOUR SIDE WITH BRANCHES AND AGENCIES ON ALL CONTINENTS

GESIPA BLINDNIETTECHNIK

4

GESIPA® CUSTOMER SEGMENTS

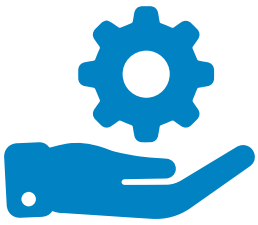
Application-optimised and cost-effective fastening solutions

- **Distribution and Retail**
- **Automated Solutions**
- **Industrial Riveting**
- **Automotive Riveting**

GESIPA® riveting technology focuses on **four** customer segments. The top priority is the direct relationship with the customer and his specific requirements with the aim of designing application-optimised and cost-effective fastening solutions.

All German GESIPA® production locations operate a quality management system certified to IATF 16949

CUSTOMER PROXIMITY and **FLEXIBILITY** are certainly given top priority at GESIPA®. The creativity and openness to innovation of all our employees contribute to lasting customer satisfaction and partnership-based cooperation.



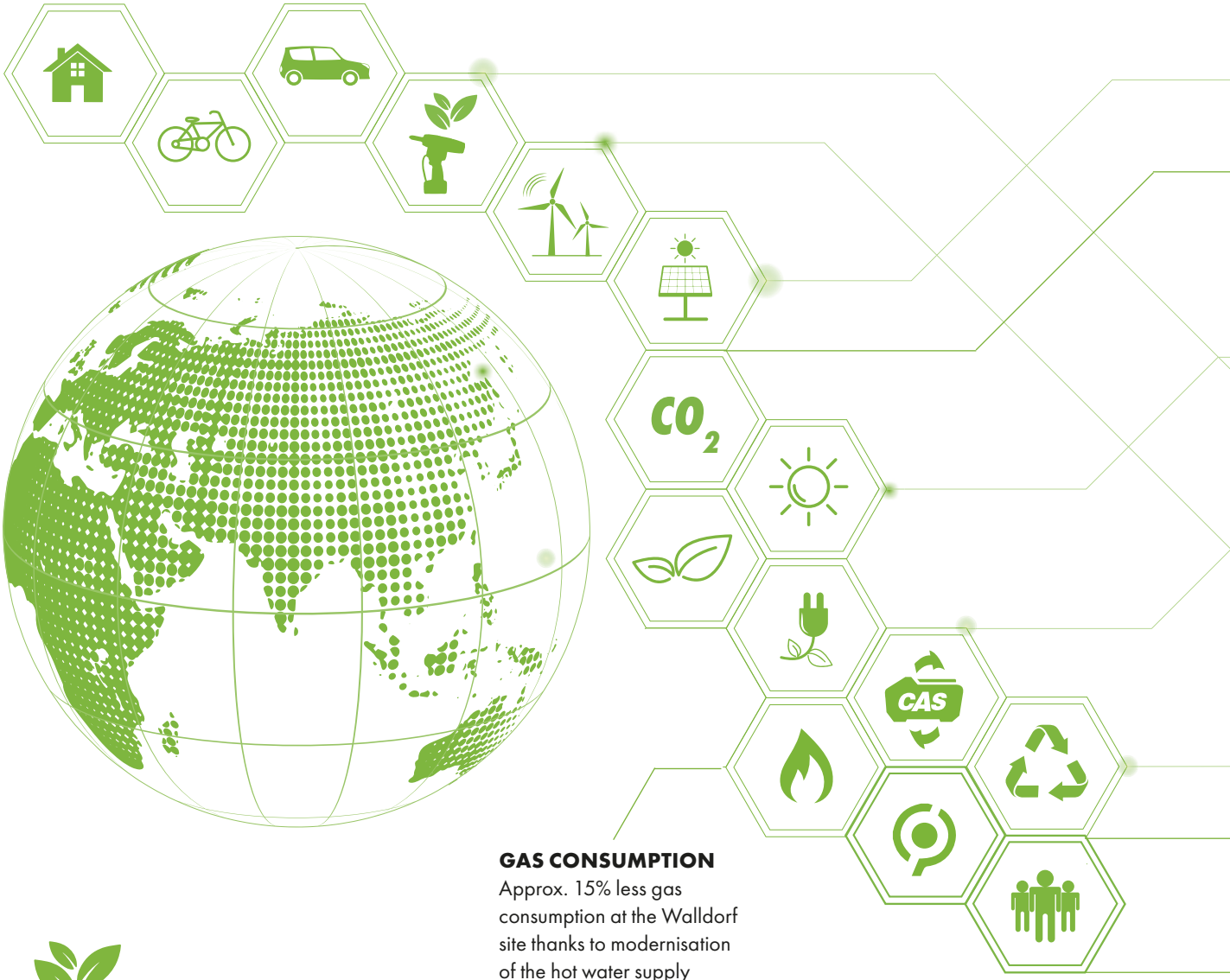
GESIPA®-SERVICE
Take advantage of GESIPA® Services – a multitude of services from a single source for a simple and straight-forward process.

SUSTAINABILITY IS IMPORTANT TO US!
Ergonomics and economical energy consumption are priorities for us in our setting tools.

MADE IN GERMANY
Tools and fasteners that are Made in Germany. At our three German locations, we manufacture top-quality blind rivets and setting tools for international demand.

IN THE BEST HANDS AT GESIPA®!
Highly skilled staff, top-level production machines and manufacturing quality controls guarantee fulfilment of our customers' most stringent demands.

SUSTAINABILITY IS IMPORTANT TO US!



GAS CONSUMPTION
Approx. 15% less gas consumption at the Walldorf site thanks to modernisation of the hot water supply

GESIPA® DEVELOPMENT

With a view to future generations, our actions are in harmony with the economy, ecology and responsibility for the community. At GESIPA® we pay attention to the economical use of resources and the protection of the environment. We use energy and other resources sparingly and efficiently in order to reduce or eliminate environmental pollution. Our products and services should be environmentally friendly and conserve resources throughout their entire life cycle. We educate our employees so that they can fulfil their ecological responsibility. We have been certified with the **ISO 14001** environmental management standard since spring 2019 in order to also set internal company standards. In 2023, we managed to save valuable resources at the Mörfelden-Walldorf site managed to save valuable resources and produce less waste, which was recognised confirmed by the **FES** with the **sustainability certificate**.

POWER GENERATION
by utilising our own solar systems

CO2
All information on the subject of CO2 reduction can always be be viewed up to date →

POWER CONSUMPTION
Around 10% less electricity consumption compared to 2022/23 through various measures

SUSTAINABILITY TOOLS
Economical energy consumption
Compressed air savings

BATTERIES
CAS + recuperation

GREEN ELECTRICITY
100% renewable energy

ENVIRONMENTAL CAMPAIGNS
Tree planting campaigns

CLIMATE NEUTRAL PRINT PRODUCTION
And low-paper offices

HUMAN RESOURCE
Workplace conditions,
Mental Health, Social Days,
e-cars, bike leasing

CERTIFIED ISO14001

Klimaneutral
ClimatePartner

SUSTAINABILITY TOOLS

Hand tools
- Soft and ergonomically designed handles
- PVC-free material

Battery-powered tools
- Member of the Cordless Alliance System, CAS
- Power recovery during braking
  → Energy is utilised several times
  → Longer battery life
  → Prevents the device from heating up (Pro series)
- Service life of the main wear part jaws several times longer than its market competitors
- Ergonomic handle with soft grip surface („2K housing", Pro series)
- Ergonomic angle of 12° between handle and rivet direction (Pro series)
- Fast return → more productivity, faster, less wear, less battery consumption,
- Longer battery life, less tool servicing
- Less noise due to shorter process runtimes

Pneumatic tools
- Economical compressed air consumption
- Service life of the jaws (main wear part) Many times longer due to patented mechanism than the market competitors
- Lightweight devices and efficient solutions based on modular principle
- Ergonomic angle of 12° between handle and riveting direction of riveting
- Significantly reduced compressed air consumption when using VAS (vacuum suction)
- Low noise emission through the use of a silencer

GAV blind riveting machines
- Large components virtually wear-free
- Main wear parts can be replaced without tools
- Short cycle time and high availability
- Ergonomic and gentle operation in hand-guided gentle operation due to
  → Suspension on balancer
  → Good tool guidance thanks to ergonomic handle system
- Reduced air consumption, depending on hose package length and connector, from 17 standard litres

GESIPA®-SERVICE*

GESIPA® – Comprehensive range from a single source

WORLDWIDE SERVICE

The people at GESIPA® are committed and passionate about providing high-quality, innovative products every day, worldwide. GESIPA® is at your side on every continent through our own sites or our trade partners.

INITIAL SAMPLE INSPECTION (PPAP, VDA 2)

Initial sample inspection verifies that, prior to the start of series production, the customer requirements agreed upon in the specification as well as other requirements (e.g. legislation, standards) in terms of the product and process are met. The same also applies to the annual re-qualification

GESIPA®-REPAIR SERVICE

Further Information to our optimized repair service here:

REPAIR SERVICE

GESIPA® riveting tools are manufactured to the highest quality standards. However, should repairs ever become necessary our technicians will provide fast and reliable assistance.

FIRMWARE UPDATE

Firmware updates are available on request to keep your processing systems up-to-date, making sure they operate reliably safely and efficiently at all times.

FACTORY CALIBRATION

Process-monitored riveting tools are calibrated based on applicable test standards as part of the GESIPA® calibration service. The calibration standard used is verified by routine test equipment monitoring. We can also carry out the calibration procedure directly at your premises.

*These services vary specific to country and are based on the service programmes available at the Walldorf/Germany site.

MAINTENANCE & SERVICING AGREEMENTS
Regular servicing and maintenance are required to ensure processes and production runs smoothly. Servicing and maintenance are the foundation for guaranteeing high availability of your production facilities where downtimes are minimised, thus keeping costs down. These procedures also increase operational safety thereby protecting your personnel.

TECHNICAL TALKS
Whether in our Demonstration Center, on your premises or at conferences: when it comes to selecting the venue and time we are really flexible. Talks aimed at specific target groups are of course no problem.

TRAINING
We hold training courses for our customers' staff at our training centres or, if required, on site. The innovative training programme includes training courses on equipment, GAV systems as well as foundation and advanced courses.

ONLINE-SERVICE
More Infos here:

ONLINE-SERVICE
GESIPA® uses the Oxomi platform to maintain close ties with our customers. At the POS and across our network, we provide our customers with the latest marketing materials such as brochures, operating instructions, product videos, etc. online and offline via our homepage or mobile app. In addition, most of our products can now also be ordered directly from our authorised trade partners via the **BUY NOW button** on our homepage. Delivery times and prices of the trading partner are displayed with one click.

COMMISSIONING
Following the installation of a machine, comprehensive customer service is provided by our resourceful service team. The service team carries out both the commissioning as well as the maintenance of the machine.

BLIND RIVET TECHNOLOGY

» trust
» move
» know
» understand
» create

GESIPA® BLIND RIVETS

GESIPA® BLIND RIVETS PROVIDE A LASTING AND SAFE JOINT FOR DIVERSE AND SENSITIVE MATERIALS.

GESIPA® BLIND RIVETS – EFFICIENT TECHNOLOGY

Life without blind rivet technology from GESIPA® can no longer be imagined in modern industry production where fastening technology is required due to its efficiency and versatility. It combines the advantages of overcoming restricted component accessibility, permanently safe connection of different, and specialised materials, and even documentation of the setting process if required.

Technically speaking, the blind rivet consists of two parts: the rivet body and the mandrel. During screw-connecting, clinching and punch riveting etc. the application must always be accessible on both sides but the special thing about blind riveting is that the application only needs to be accessed from one side.

GESIPA® BLIND RIVETS – CONNECTIONS THAT LAST

During the setting process, the mandrel is pulled by the jaws of the setting tool and forms the rivet body to the predefined fixed position in the application. The mandrel then breaks off at the intended point (the target breakage point) and can be recycled. The filling cut (this is the remaining rest of mandrel in the rivet body) can provide an additional securing function depending on the application.

GESIPA® BLIND RIVETS – FOR EVERY APPLICATION

Blind rivets are available in a variety of designs, materials, forms, lengths and even colours. Depending on application in which the blind rivet is required, GESIPA® customers can choose between a standard model available from stock or a blind rivet specially designed for the application.

GESIPA® BLIND RIVETS – A RULE OF THUMB

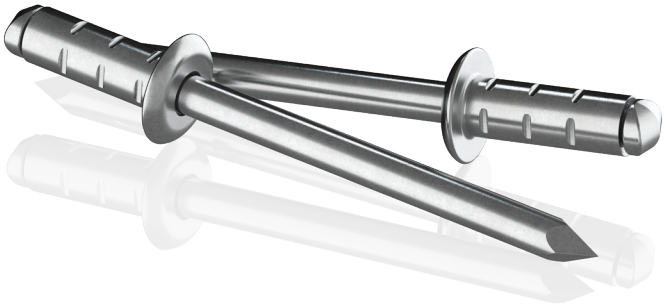
Material thickness + rivet diameter = rivet body length

Example

Material: metal sheet 3 mm + metal sheet 3 mm + hole 4 mm
= 10 mm rivet body length > blind rivet **4 x 10**

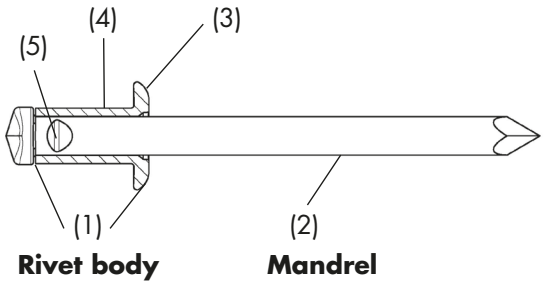
Representation in the table

D	D x L mm	mm	No.
4	4 x 10	5.0 - 6.5	1433487

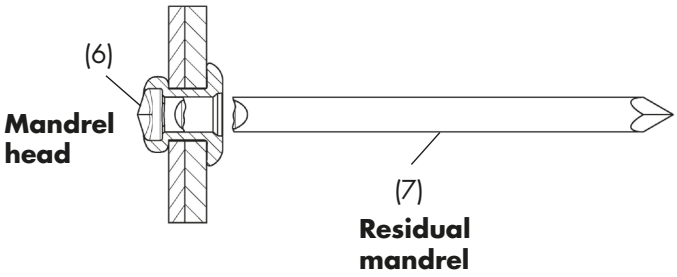


TECHNICAL DATA on GESIPA® blind rivets

BLIND RIVET BEFORE SETTING PROCESS



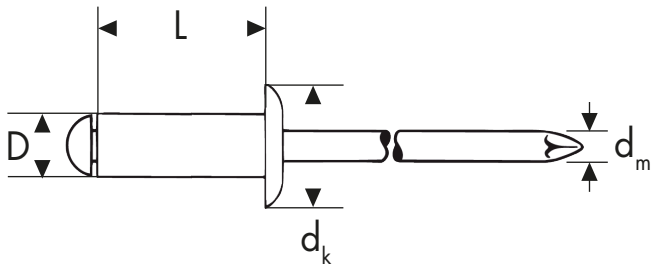
BLIND RIVET AFTER PROCESSING

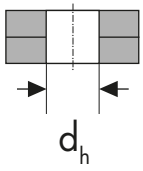


GESIPA® BLIND RIVETS – DEFINITIONS

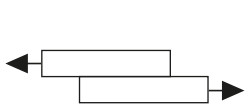
- The blind rivet consists of two parts: the **rivet body** (1) and the **mandrel** (2).
- The rivet body consists of the **setting head** (3) and the **shaft** (4).
- The setting head is found on the processing side and is variable in diameter and shape. There are **dome**, **countersunk** and **large flange** versions. The rivet body is available in different lengths depending on the material thickness to be riveted.
- The rivet mandrel is used to deform the rivet body. It contains the **predetermined breaking point** (5) This is where the rivet mandrel breaks after the rivet has deformed.
- The **mandrel head** (6) is the remaining part of the rivet mandrel in the rivet body. The **residual mandrel** (7) is the part of the rivet mandrel that is disposed of from the set rivet via the blind rivet setting tool.

BLIND RIVET – DIMENSIONS/SYMBOLS

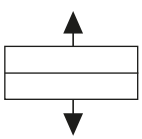




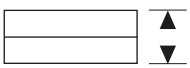
D = Rivet body Ø
L = Rivet body length
d_k = Setting head Ø
d_m = Mandrel Ø
d_h = Hole Ø



Shear loud



Tensile loud



Grip range

hole Ø = d_h

For the hole Ø is generally a tolerance of +0.1 / 0 to note!

IN THE BEST HANDS AT GESIPA®

Special challenges in industry demand special solutions with regard to efficiency, function and innovation. GESIPA® has decades of experience in consultancy and development of blind rivets for specific applications. Requirements such as surface treatments, appropriate shear strength and/or tensile strength and setting process reliability are defined by Technical Sales according to the project, and guarantee millions of consistent quality fastenings.

QUALITY

From the traceability and documentation of the raw materials to the checking of dimensions and tolerances during production, GESIPA® attaches the greatest value to quality. But GESIPA® also goes one decisive step further. For blind rivets for specific applications, thorough functional tests are carried out and documented step-by-step.

FUNCTIONAL TEST /SETTING CURVE

For every production batch of blind rivets for specific applications, the setting curve is measured on a sophisticated test bench. The measured results of shaft deformation, insertion characteristics, mandrel shear load and tensile force are compared with the target values in order to ensure that the blind rivet forms as intended in the application and produces a secure fastening.

FUNCTION TESTS/MANDREL PUSH-OUT FORCE (1)

The remaining part of the mandrel enclosed in the set rivet is pushed out. The measured force can be used to determine whether the remaining part of the mandrel is properly locked and will not cause any rattling noises or even fall out. The batch is only released if both these values are within tolerance.

MONITORED PROCESS – RELIABLE CONNECTION (2)

Safety relevant processes in the industrial use of blind rivets make 100% reliability of riveting operations essential. The process-controlled GESIPA® tools enable economic application solutions, from the basic system to systems with barcode scanners and process computers.

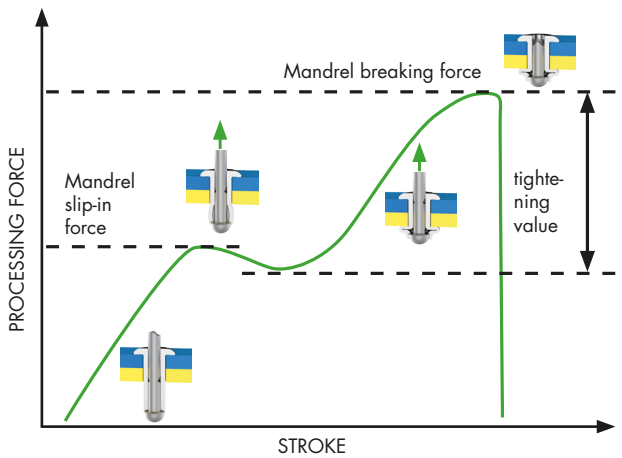
ONE FASTENER FOR SEVERAL APPLICATIONS

The versatility of GESIPA® fasteners often means that several application cases which previously required different fasteners can be served by a single specially designed blind rivet. This saves costs and simplifies handling.

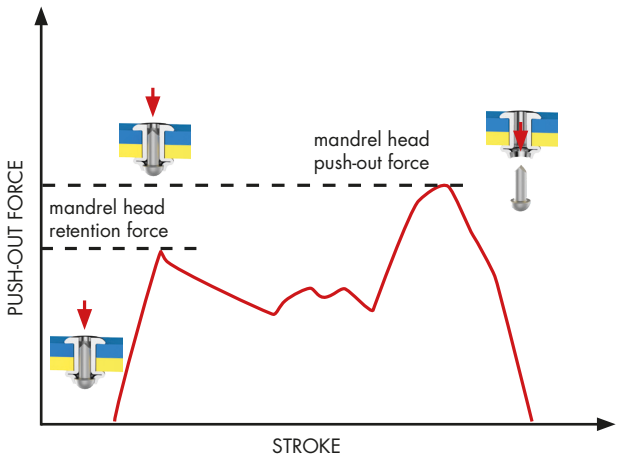
COST ADVANTAGES AT A GLANCE

- Reduction of downstream quality costs due to GESIPA® setting process monitoring
- Reduction of wearing parts costs due to identical parts strategy and modular design of the tools
- Reduction of logistics costs due to multi-functionality of the fasteners and corresponding reduction of parts diversity.

(1)



(2)



CORROSION PROTECTION AND WATERTIGHTNESS

Our fasteners provide corrosion protection and watertightness to various extents depending on the material chosen. The features of the individual fasteners are shown in the following tables:

Category	Water tightness	Corrosion resistance
STANDARD BLIND RIVETS		
Alu/Steel		••
Alu/Stainless steel		•••
Alu/Alu		•••
Steel/Steel		•
Copper/Steel		••
Copper/Bronze		•••
Stainless steel/Stainless steel		••••
Stinox		••
POLYGRIP® BLIND RIVETS		
Alu/Steel	✱⚹	••
Alu/Stainless steel	✱⚹	•••
Steel/Steel		•
Stainless steel/Stainless steel		••••
SolarGrip® with (SolarSeal-coating)	✱⚹	••••
CAP® BLIND RIVETS		
Alu/Steel	⚹	••
Alu/Stainless steel	⚹	•••
Stainless steel/Stainless steel	⚹	••••
Copper/Steel	⚹	••
Copper/Stainless steel	⚹	•••
SPECIAL BLIND RIVETS		
Painted blind rivets alu/stainless steel		•••
Grooved blind rivets alu/steel		••
Blind rivets thread Steel/Steel		•
Plastic blind rivets (Polyamide)		••••
Peel blind rivets alu/steel		••
Profile clinching rivets alu/steel		••

Category	Water tightness	Corrosion resistance
HIGH STRENGTH STRUCTURE BLIND RIVETS		
G-Bulb steel/steel		•
G-Bulb Stainless steel/ stainless steel		•••
MEGA GRIP® alu/ alu	✱⚹	••
MEGA GRIP® steel/steel	✱⚹	•
Folding Type blind rivets		
BULB-TITE® blind rivets alu/alu	✱	••
TRI-FOLD® blind rivets alu/alu		••
STANDARD AND POLYGRIP® BLIND RIVET NUTS		
Alu		•••
Steel		•
Stainless steel		••••
Monel®		••••
BLIND RIVET NUT STUDS		
Steel		•

⚹ Fastener is watertight

✱ Joint is watertight when a washer is used

✱⚹ Splash-proof

• low

•• middle

••• high

•••• very high

Further sizes, special surface treatments or materials are available upon request.

THE APPLICATION-SPECIFIC GESIPA® FASTENING

The basic features of the standard blind rivet are defined by various DIN EN ISO standards. These features primarily involve the geometric dimensions and mechanical properties. Other fastener properties, such as the choice of material and surface coating, are defined very generally by the standards and are left up to the manufacturer. These specifications about the blind rivet features seriously limit the tolerances of the connection parameters and the feasible requirements. Blind rivets that comply with DIN EN ISO standards are always designed for fixed parts.

CUSTOMER REQUIREMENT	GESIPA® SOLUTION
Adaption to rubber, wood, plastic and other materials	Definition of max. / min. tightening value or clamping force
Watertightness	Material + stamping + coating
Accessibility problem	Extended nosepiece in combination with a rivet mandrel extension
Corrosion resistance	Through organic and inorganic surfaces e.g. Zn, ZnNi, Delta Seal, stainless steel A2 and A4 or Monel® Organic Topcoat
No noise	Monitored rest mandrel locking
Tolerance compensation	Borehole diameter larger than DIN
High device and system availability	Device and fastener matched to each other, GESIPA®-general system

GESIPA®-FEM SIMULATION

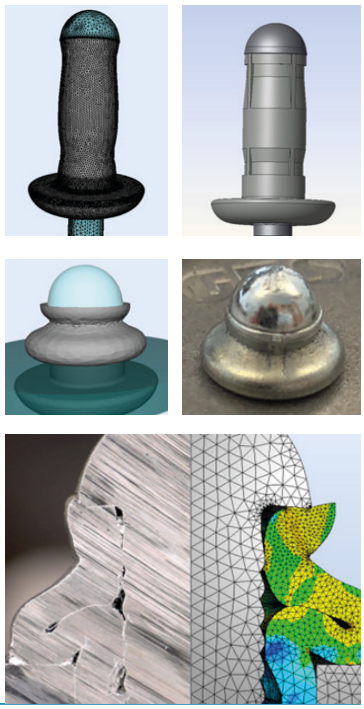
EFFICIENT AND CUSTOMER-ORIENTED DEVELOPMENT USING FEM SIMULATION

The Finite Element Method (FEM) works by breaking down a component into a finite number of defined geometric elements. Boundary conditions, such as the application of force and displacement, can be defined for these elements, and the structure's reaction can be calculated by applying physical laws.

The result is the virtual simulation of deformation processes in the production process or the process of setting a joining element.

BENEFITS

- Simulation integrated into the concept phase
- Customer-orientated development and shorter development times
- Targeted tool design and optimisation of the production process
- Reduction of development and product costs
- Savings and prevention of quality costs
- Positive contribution to decarbonisation by increasing effectiveness and efficiency throughout the entire product life cycle



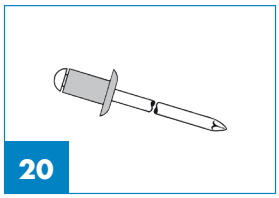
BLIND RIVET RANGE

- » multifunctional
- » resistant
- » application-specific

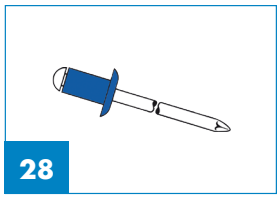
OVERVIEW of the GESIPA® blind rivet product range

STANDARD BLIND RIVETS

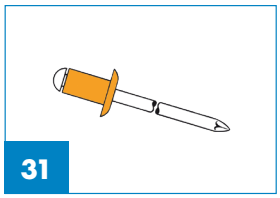
20



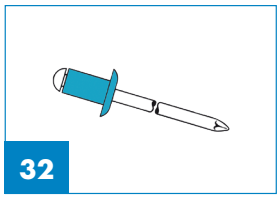
Blind rivets alu/alu



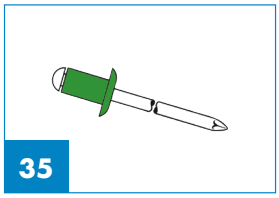
Blind rivets steel/steel



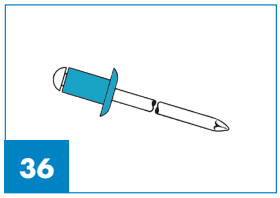
Blind rivets copper/ bronze



Blind rivets A2 stainless steel



Blind rivets A4 stainless steel



Blind rivets stinox

EXAMPLE TABLE – TERMS/SYMBOLS

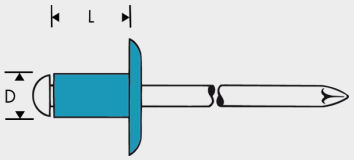
Large flange ← Head form

Stainless steel A2

↑ Material rivet body

Stainless steel A2

↑ Material mandrel

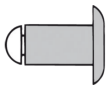


Rivet body-Ø	CE-marking*	Rivet diameter x Rivet body length	Material thickness (*grip range*)	Part no.	Packaging unit	Shear strength**	Tensile strength**	Mandrel-Ø	Setting head-Ø
D	CE	**D × L** mm	mm	**No.**		**N**	**N**	d_m mm	max. d_k mm
4.8 K 15 (4.9 mm ↑ Hole-Ø)	CE	**4.8 × 14**	8 – 9.5	**1433640**	B 250	4000	5000	3.2	15
	CE	**4.8 × 16**	9.5 – 11	**1433641**	B 250	4000	5000	3.2	15
	CE	**4.8 × 20**	11 – 15	**1433642**	B 250	4000	5000	3.2	15
	CE	**4.8 × 25**	15 – 20	**1433643**	B 200	4000	5000	3.2	15
	CE	**4.8 × 30**	20 – 25	**1433644**	B 100	4000	5000	3.2	15

*CE-marking: **ETA 13/0255**, **Test procedure according **DIN EN ISO 14589**

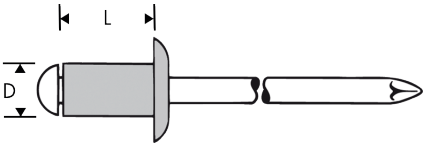
BLIND RIVETS ALU/STEEL

Dome head



Aluminium alloy

Steel, zinc-plated



D	CE	D × L mm	mm	No.		N	N	d_m mm	max. d_k mm
2.4		**2.4 × 4**	0.5 – 2	**1454019**	A 1000	350	450	1.5	5
		2.4 × 6	1.5 – 3.5	**1433464**	A 1000	350	450	1.5	5
2.5 mm		**2.4 × 8**	4 – 6	**1454020**	A 1000	350	450	1.5	5
3		**3 × 4**	0.5 – 1.5	**1433466**	A 500	700	900	1.8	6.5
		3 × 5	1.5 – 2.5	**1433467**	A 500	700	900	1.8	6.5
3.1 mm		**3 × 6**	2.5 – 3.5	**1433468**	A 500	700	900	1.8	6.5
		3 × 7	3.5 – 4.5	**1433469**	A 500	700	900	1.8	6.5
		3 × 8	4.5 – 5	**1433470**	A 500	700	900	1.8	6.5
		3 × 10	5 – 7	**1433471**	A 500	700	900	1.8	6.5
		3 × 12	7 – 9	**1433472**	A 500	700	900	1.8	6.5
		3 × 14	9 – 11	**1454022**	A 500	700	900	1.8	6.5
		3 × 16	11 – 13	**1454023**	A 500	700	900	1.8	6.5
		3 × 18	13 – 15	**1454024**	A 250	700	900	1.8	6.5
		3 × 20	15 – 17	**1454025**	A 250	700	900	1.8	6.5
		3 × 25	17 – 22	**1433473**	A 250	700	900	1.8	6.5
		3 × 30	22 – 26	**1454026**	A 250	700	900	1.8	6.5
3.2		**3.2 × 4**	0.5 – 1.5	**1433475**	A 500	720	950	1.95	6.5
		3.2 × 6	1.5 – 3.5	**1433476**	A 500	720	950	1.95	6.5
3.3 mm		**3.2 × 8**	3.5 – 5	**1433477**	A 500	720	950	1.95	6.5
		3.2 × 10	5 – 7	**1433478**	A 500	720	950	1.95	6.5
		3.2 × 12	7 – 9	**1433479**	A 500	720	950	1.95	6.5
		3.2 × 14	9 – 11	**1433465**	A 500	720	950	1.95	6.5
		3.2 × 16	11 – 13	**1433480**	B 500	720	950	1.95	6.5
		3.2 × 18	13 – 15	**1433483**	B 500	720	950	1.95	6.5
		3.2 × 20	15 – 17	**1433481**	B 500	720	950	1.95	6.5
		3.2 × 25	17 – 22	**1433482**	B 500	720	950	1.95	6.5

CE → **ETA 13/0255 Authorisation documents**

Material surcharge will be added at a daily rate.

Test procedure according to DIN EN ISO 14589

BLIND RIVETS ALU/STEEL

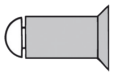
D	CE	D × L mm	mm	No.		N	N	d_m mm	max. d_k mm
4		**4 × 5**	0.5 – 1.5	**1433484**	A 500	1400	2000	2.1	8
		4 × 6	1.5 – 3	**1433485**	A 500	1400	2000	2.1	8
4.1 mm		**4 × 7**	3 – 4	**1454028**	A 500	1400	2000	2.1	8
		4 × 8	4 – 5	**1433486**	A 500	1400	2000	2.1	8
		4 × 10	5 – 6.5	**1433487**	A 500	1400	2000	2.1	8
		4 × 12	6.5 – 8.5	**1433488**	B 500	1400	2000	2.1	8
		4 × 14	8.5 – 10.5	**1454029**	B 500	1400	2000	2.1	8
		4 × 16	10.5 – 12.5	**1454030**	B 500	1400	2000	2.1	8
		4 × 18	12.5 – 14.5	**1454031**	B 500	1400	2000	2.1	8
		4 × 20	14.5 – 16.5	**1454032**	B 500	1400	2000	2.1	8
		4 × 25	16.5 – 21.5	**1454033**	B 500	1400	2000	2.1	8
		4 × 30	21.5 – 26	**1454034**	B 250	850	1000	2.1	8
		4 × 35	26 – 30	**1454035**	B 250	850	1000	2.1	8
		4 × 40	30 – 35	**1454036**	B 250	850	1000	2.1	8
4.8		**4.8 × 6**	2 – 2.5	**1433493**	B 500	1800	2700	2.7	9.5
		4.8 × 8	2.5 – 4.5	**1433494**	B 500	1800	2700	2.7	9.5
4.9 mm		**4.8 × 10**	4.5 – 6	**1433495**	B 500	1800	2700	2.7	9.5
		4.8 × 12	6 – 8	**1433496**	B 500	1800	2700	2.7	9.5
		4.8 × 14	8 – 10	**1454043**	B 500	1800	2700	2.7	9.5
		4.8 × 16	10 – 12	**1433497**	B 500	1800	2700	2.7	9.5
		4.8 × 18	12 – 14	**1454044**	B 500	1800	2700	2.7	9.5
		4.8 × 20	14 – 15	**1454045**	B 250	1800	2700	2.7	9.5
		4.8 × 25	15 – 20	**1433498**	B 250	1800	2700	2.7	9.5
		4.8 × 30	20 – 25	**1433499**	A 100	1800	2700	2.7	9.5

BLIND RIVETS ALU/STEEL

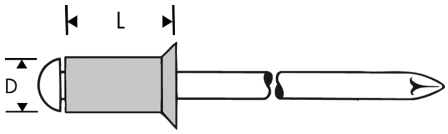
D	CE	D × L mm	mm	No.		N	N	d_m mm	max. d_k mm
5	CE	**5 × 6**	2 – 2.5	**1433500**	B 500	2000	2800	2.7	9.5
	CE	**5 × 8**	2.5 – 4.5	**1433501**	B 500	2000	2800	2.7	9.5
5.1 mm	CE	**5 × 10**	4.5 – 6	**1433502**	B 500	2000	2800	2.7	9.5
	CE	**5 × 12**	6 – 8	**1433503**	B 500	2000	2800	2.7	9.5
	CE	**5 × 14**	8 – 10	**1454048**	B 500	2000	2800	2.7	9.5
	CE	**5 × 16**	10 – 12	**1433504**	B 500	2000	2800	2.7	9.5
	CE	**5 × 18**	12 – 14	**1454049**	B 500	2000	2800	2.7	9.5
	CE	**5 × 20**	14 – 15	**1454050**	B 250	2000	2800	2.7	9.5
	CE	**5 × 25**	15 – 20	**1433505**	B 250	2000	2800	2.7	9.5
	CE	**5 × 30**	20 – 25	**1454051**	A 100	2000	2800	2.7	9.5
	CE	**5 × 35**	25 – 30	**1454052**	A 100	2000	2800	2.7	9.5
	CE	**5 × 40**	30 – 35	**1454053**	A 100	1400	2000	2.7	9.5
	CE	**5 × 45**	35 – 40	**1454054**	B 100	1400	2000	2.7	9.5
	CE	**5 × 50**	40 – 45	**1454055**	B 100	1400	2000	2.7	9.5
	CE	**5 × 55**	45 – 48	**1454056**	B 100	1400	2000	2.7	9.5
	CE	**5 × 60**	48 – 52	**1454057**	B 100	1400	2000	2.7	9.5
	CE	**5 × 65**	52 – 57	**1454058**	B 100	1400	2000	2.7	9.5
	CE	**5 × 70**	57 – 62	**1454059**	B 100	1400	2000	2.7	9.5
	CE	**5 × 80**	62 – 72	**1433506**	B 100	1400	2000	2.7	9.5
6		**6 × 8**	2 – 3	**1454060**	B 250	3100	3800	3.2	12
		6 × 10	3 – 5	**1454061**	B 250	3100	3800	3.2	12
6.1 mm		**6 × 12**	5 – 7	**1454062**	B 250	3100	3800	3.2	12
		6 × 16	7 – 11	**1433507**	B 250	3100	3800	3.2	12
		6 × 18	11 – 13	**1454064**	B 250	3100	3800	3.2	12
		6 × 20	13 – 15	**1454065**	B 250	3100	3800	3.2	12
		6 × 25	15 – 20	**1454066**	B 200	3100	3800	3.2	12
		6 × 30	20 – 24	**1454067**	B 200	3100	3800	3.2	12
		6 × 35	24 – 29	**1454068**	B 100	3100	3800	3.2	12
		6 × 40	29 – 34	**1454069**	B 100	3100	3800	3.2	12
		6 × 50	34 – 44	**1433508**	B 100	3100	3800	3.2	12
6.4		**6.4 × 12**	2 – 6	**1454070**	B 250	3400	4600	3.65	13
		6.4 × 16	6 – 10	**1454072**	B 250	3400	4600	3.65	13
6.5 mm		**6.4 × 20**	10 – 14	**1454073**	B 200	3400	4600	3.65	13
		6.4 × 25	14 – 18	**1454074**	B 200	3400	4600	3.65	13
		6.4 × 30	18 – 23	**1454075**	B 100	3400	4600	3.65	13

BLIND RIVETS ALU/STEEL

Countersunk


Aluminium alloy

Steel, zinc-plated



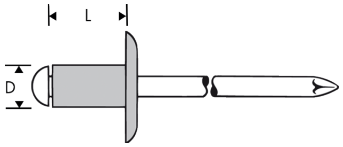
D	CE	D × L mm	mm	No.		N	N	d_m mm	max. d_k mm
3		**3 × 6**	1.5 – 3.5	**1454078**	A 500	700	900	1.8	6
		3 × 8	3.5 – 5	**1433509**	A 500	700	900	1.8	6
3.1 mm		**3 × 10**	5 – 7	**1433510**	A 500	700	900	1.8	6
		3 × 12	7 – 9	**1454079**	A 500	700	900	1.8	6
		3 × 16	9 – 13	**1454080**	A 500	700	900	1.8	6
4		**4 × 6**	1.5 – 3	**1454081**	A 500	1400	2000	2.1	7.5
		4 × 8	3 – 5	**1433512**	A 500	1400	2000	2.1	7.5
4.1 mm		**4 × 10**	5 – 6.5	**1454082**	A 500	1400	2000	2.1	7.5
		4 × 12	6.5 – 8.5	**1433513**	B 500	1400	2000	2.1	7.5
		4 × 16	10.5 – 12.5	**1433514**	B 500	1400	2000	2.1	7.5
		4 × 20	14.5 – 16.5	**1454083**	B 500	1400	2000	2.1	7.5
5		**5 × 8**	2 – 4.5	**1433515**	B 500	2000	2800	2.7	9.5
		5 × 10	4.5 – 6	**1433516**	B 500	2000	2800	2.7	9.5
5.1 mm		**5 × 12**	6 – 8	**1454085**	B 500	2000	2800	2.7	9.5
		5 × 16	8 – 12	**1454086**	B 500	2000	2800	2.7	9.5
		5 × 18	12 – 14	**1454084**	B 500	2000	2800	2.7	9.5
		5 × 20	14 – 15	**1454087**	B 250	2000	2800	2.7	9.5
		5 × 25	15 – 20	**1433517**	B 250	2000	2800	2.7	9.5
		5 × 30	20 – 25	**1454088**	A 100	2000	2800	2.7	9.5
		5 × 35	25 – 30	**1454089**	A 100	2000	2800	2.7	9.5

BLIND RIVETS ALU/STEEL

Large flange

Aluminium alloy

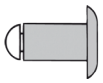
Steel, zinc-plated



D	CE	D × L mm	mm	No.		N	N	d_m mm	max. d_k mm
3.2 **K 9.5** 3.3 mm		**3.2 × 8**	3.5 – 5	**1454091**	A 500	720	950	1.95	9.5
		3.2 × 10	5 – 7	**1454092**	A 500	720	950	1.95	9.5
		3.2 × 12	7 – 9	**1454093**	A 500	720	950	1.95	9.5
		3.2 × 16	9 – 13	**1454094**	B 500	720	950	1.95	9.5
4 **K 12** 4.1 mm		**4 × 6**	1.5 – 3	**1454095**	B 500	1400	2000	2.1	12
		4 × 8	3 – 5	**1433518**	B 500	1400	2000	2.1	12
		4 × 10	5 – 6.5	**1454096**	B 500	1400	2000	2.1	12
		4 × 12	6.5 – 8.5	**1454097**	B 500	1400	2000	2.1	12
		4 × 16	8.5 – 12.5	**1454098**	B 500	1400	2000	2.1	12
		4 × 20	12.5 – 16.5	**1454099**	B 250	1400	2000	2.1	12
4.8 **K 16** 4.9 mm		**4.8 × 8**	2.5 – 4.5	**1454106**	B 250	1800	2700	2.7	16
		4.8 × 10	4.5 – 6	**1454107**	B 250	1800	2700	2.7	16
		4.8 × 12	6 – 8	**1433519**	B 250	1800	2700	2.7	16
		4.8 × 16	8 – 12	**1454109**	B 250	1800	2700	2.7	16
		4.8 × 20	12 – 15	**1454111**	B 250	1800	2700	2.7	16
		4.8 × 25	15 – 20	**1433520**	B 250	1800	2700	2.7	16
5 **K 11** 5.1 mm	CE	**5 × 8**	2.5 – 4.5	**1433521**	B 500	2000	2800	2.7	11
	CE	**5 × 10**	4.5 – 6	**1454116**	B 500	2000	2800	2.7	11
	CE	**5 × 12**	6 – 8	**1433522**	B 500	2000	2800	2.7	11
	CE	**5 × 14**	8 – 10	**1454115**	B 500	2000	2800	2.7	11
	CE	**5 × 16**	10 – 12	**1454117**	B 500	2000	2800	2.7	11
	CE	**5 × 18**	12 – 14	**1454113**	B 250	2000	2800	2.7	11
	CE	**5 × 20**	14 – 15	**1454118**	B 250	2000	2800	2.7	11
	CE	**5 × 25**	15 – 20	**1454119**	B 250	2000	2800	2.7	11
	CE	**5 × 30**	20 – 25	**1454120**	B 100	2000	2800	2.7	11
5 **K 14** 5.1 mm	CE	**5 × 8**	2.5 – 4.5	**1433523**	B 250	2000	2800	2.7	14
	CE	**5 × 10**	4.5 – 6	**1454121**	B 250	2000	2800	2.7	14
	CE	**5 × 12**	6 – 8	**1433524**	B 250	2000	2800	2.7	14
	CE	**5 × 14**	8 – 10	**1454122**	B 250	2000	2800	2.7	14
	CE	**5 × 16**	10 – 12	**1454123**	B 250	2000	2800	2.7	14
	CE	**5 × 18**	12 – 14	**1454124**	B 250	2000	2800	2.7	14
	CE	**5 × 20**	14 – 15	**1454125**	B 250	2000	2800	2.7	14
	CE	**5 × 25**	15 – 20	**1454126**	B 250	2000	2800	2.7	14
	CE	**5 × 30**	20 – 25	**1454127**	B 100	2000	2800	2.7	14

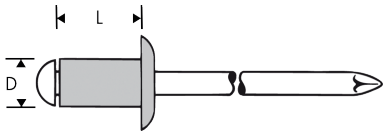
BLIND RIVETS ALU/STAINLESS STEEL

Dome head



Aluminium alloy

Stainless steel A2



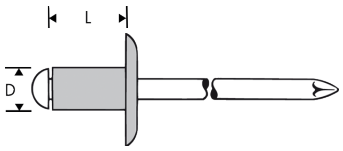
D	CE	D × L mm	mm	No.		N	N	d_m mm	max. d_k mm
3		**3 × 4**	0.5 – 1.5	**1455036**	A 500	700	900	1.8	6.5
		3 × 6	1.5 – 3.5	**1433581**	A 500	700	900	1.8	6.5
3.1 mm		**3 × 8**	3.5 – 5	**1433582**	A 500	700	900	1.8	6.5
		3 × 10	5 – 7	**1455037**	A 500	700	900	1.8	6.5
		3 × 12	7 – 9	**1455038**	A 500	700	900	1.8	6.5
		3 × 16	9 – 13	**1455039**	A 500	700	900	1.8	6.5
3.2		**3.2 × 6**	1.5 – 3.5	**1455049**	A 500	720	950	1.95	6.5
		3.2 × 8	3.5 – 5	**1455044**	A 500	720	950	1.95	6.5
3.3 mm		**3.2 × 10**	5 – 7	**1455045**	A 500	720	950	1.95	6.5
		3.2 × 12	7 – 9	**1455046**	A 500	720	950	1.95	6.5
		3.2 × 14	9 – 11	**1446433**	A 500	720	950	1.95	6.5
		3.2 × 16	11 – 13	**1455050**	B 500	720	950	1.95	6.5
4	CE	**4 × 6**	1.5 – 3	**1433589**	A 500	1400	2000	2.1	8
	CE	**4 × 8**	3 – 5	**1433590**	A 500	1400	2000	2.1	8
4.1 mm	CE	**4 × 10**	5 – 6.5	**1433591**	A 500	1400	2000	2.1	8
	CE	**4 × 12**	6.5 – 8.5	**1433592**	B 500	1400	2000	2.1	8
	CE	**4 × 14**	8.5 – 10.5	**1433588**	B 500	1400	2000	2.1	8
	CE	**4 × 16**	10.5 – 12.5	**1433594**	B 500	1400	2000	2.1	8
	CE	**4 × 18**	12.5 – 14.5	**1433593**	B 500	1400	2000	2.1	8
	CE	**4 × 20**	14.5 – 16.5	**1433595**	B 500	1400	2000	2.1	8
	CE	**4 × 25**	16.5 – 21.5	**1433596**	B 500	1400	2000	2.1	8
4.8	CE	**4.8 × 8**	2.5 – 4.5	**1455040**	B 500	1800	2700	2.7	9.5
	CE	**4.8 × 10**	4.5 – 6	**1455041**	B 500	1800	2700	2.7	9.5
4.9 mm	CE	**4.8 × 12**	6 – 8	**1455042**	B 500	1800	2700	2.7	9.5
	CE	**4.8 × 14**	8 – 10	**1455043**	B 500	1800	2700	2.7	9.5
	CE	**4.8 × 16**	10 – 12	**1433584**	B 500	1800	2700	2.7	9.5
5	CE	**5 × 8**	2.5 – 4.5	**1433597**	B 500	2000	2800	2.7	9.5
	CE	**5 × 10**	4.5 – 6	**1433598**	B 500	2000	2800	2.7	9.5
5.1 mm	CE	**5 × 12**	6 – 8	**1433599**	B 500	2000	2800	2.7	9.5
	CE	**5 × 14**	8 – 10	**1433600**	B 500	2000	2800	2.7	9.5
	CE	**5 × 16**	10 – 12	**1455053**	B 500	2000	2800	2.7	9.5
	CE	**5 × 18**	12 – 14	**1455054**	B 500	2000	2800	2.7	9.5
	CE	**5 × 20**	14 – 15	**1433601**	B 250	2000	2800	2.7	9.5
	CE	**5 × 25**	15 – 20	**1455055**	B 250	2000	2800	2.7	9.5
	CE	**5 × 30**	20 – 25	**1455056**	A 100	2000	2800	2.7	9.5
	CE	**5 × 35**	25 – 30	**1455057**	A 100	2000	2800	2.7	9.5
	CE	**5 × 40**	30 – 35	**1433602**	A 100	2000	2800	2.7	9.5

BLIND RIVETS ALU/STAINLESS STEEL

Large flange

Aluminium alloy

Stainless steel A2



D	CE	D × L mm	mm	No.		N	N	d_m mm	max. d_k mm
5 K 11 5.1 mm	CE	**5 × 8**	2.5 – 4.5	**1433605**	B 500	2000	2800	2.7	11
	CE	**5 × 10**	4.5 – 6	**1433606**	B 500	2000	2800	2.7	11
	CE	**5 × 12**	6 – 8	**1433607**	B 500	2000	2800	2.7	11
	CE	**5 × 14**	8 – 10	**1433603**	B 500	2000	2800	2.7	11
	CE	**5 × 16**	10 – 12	**1433608**	B 500	2000	2800	2.7	11
5 K 14 5.1 mm	CE	**5 × 8**	2.5 – 4.5	**1433612**	B 250	2000	2800	2.7	14
	CE	**5 × 10**	4.5 – 6	**1433613**	B 250	2000	2800	2.7	14
	CE	**5 × 12**	6 – 8	**1433614**	B 250	2000	2800	2.7	14
	CE	**5 × 14**	8 – 10	**1433619**	B 250	2000	2800	2.7	14
	CE	**5 × 16**	10 – 12	**1433615**	B 250	2000	2800	2.7	14
	CE	**5 × 18**	12 – 14	**1433620**	B 250	2000	2800	2.7	14
	CE	**5 × 20**	14 – 15	**1433616**	B 250	2000	2800	2.7	14
	CE	**5 × 25**	15 – 20	**1433617**	B 250	2000	2800	2.7	14
	CE	**5 × 30**	20 – 25	**1433618**	B 100	2000	2800	2.7	14

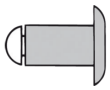
CE → **ETA 13/0255 Authorisation documents**

Material surcharge will be added at a daily rate.

Test procedure according to DIN EN ISO 14589

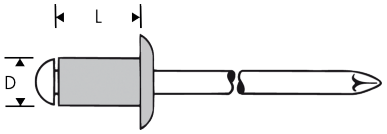
BLIND RIVETS ALU/ALU

Dome head



Aluminium alloy

Aluminium alloy



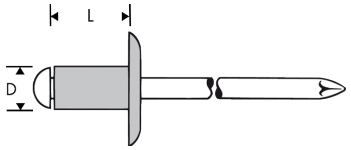
D	CE	D × L mm	mm	No.		N	N	d_m mm	max. d_k mm	
3.2		**3.2 × 6**	0.8 – 3.2	**1433751**	A 500	600	850	2.05	6.5	
		3.2 × 8	3.2 – 4.8	**1433752**	A 500	600	850	2.05	6.5	
3.3 mm		**3.2 × 10**	4.8 – 6.4	**1455510**	A 500	600	850	2.05	6.5	
4		**4 × 6**	1.5 – 3.2	**1455513**	B 500	800	1020	2.45	8	
4.1 mm		**4 × 10**	3.2 – 6.4	**1433753**	B 500	800	1020	2.45	8	
4.8		**4.8 × 7.2**	1.5 – 3.2	**1433755**	B 500	1150	1420	3	9.5	x
		4.8 × 10	3.2 – 6.4	**1433756**	B 500	1150	1420	3	9.5	
4.9 mm		**4.8 × 14**	6.4 – 9.5	**1455515**	B 500	1150	1420	3	9.5	

x = Sale - Only while stocks last.

Large flange

Aluminium alloy

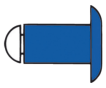
Aluminium alloy



D	CE	D × L mm	mm	No.		N	N	d_m mm	max. d_k mm
4.8 K 16		**4.8 × 10.3**	1.5 – 6.4	**1455522**	B 250	1150	1420	2.9	16
		4.8 × 13.5	6.4 – 9.5	**1455523**	B 250	1150	1420	3	16
4.9 mm									

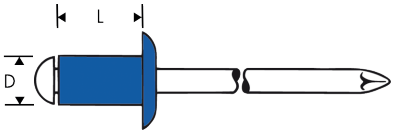
BLIND RIVETS STEEL/STEEL

Dome head



Steel, zinc-plated

Steel, zinc-plated



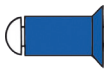
D	CE	D × L mm	mm	No.		N	N	d_m mm	max. d_k mm
3		**3 × 5**	0.5 – 2	**1454595**	A 500	1000	1300	1.95	6.5
		3 × 6	2 – 3	**1433551**	A 500	1000	1300	1.95	6.5
3.1 mm		**3 × 8**	3 – 5	**1433552**	A 500	1000	1300	1.95	6.5
		3 × 10	5 – 6.5	**1454596**	A 500	1000	1300	1.95	6.5
		3 × 12	6.5 – 8.5	**1454597**	A 500	1000	1300	1.95	6.5
		3 × 16	8.5 – 12.5	**1454598**	B 500	1000	1300	1.95	6.5
3.2		**3.2 × 6**	0.5 – 3	**1454602**	A 500	1200	1500	2	6.5
		3.2 × 8	3 – 5	**1433553**	A 500	1200	1500	2	6.5
3.3 mm		**3.2 × 10**	5 – 6.5	**1433554**	A 500	1200	1500	2	6.5
		3.2 × 12	6.5 – 8.5	**1454603**	A 500	1200	1500	2	6.5
		3.2 × 16	8.5 – 12.5	**1454604**	B 500	1200	1500	2	6.5
		3.2 × 18	12.5 – 14.5	**1454601**	B 500	1200	1500	2	6.5
		3.2 × 20	14.5 – 16.5	**1454605**	B 500	1200	1500	2	6.5
4		**4 × 6**	0.5 – 2.5	**1454606**	A 500	2000	2500	2.5	8
		4 × 8	2.5 – 4.5	**1433555**	A 500	2000	2500	2.5	8
4.1 mm		**4 × 10**	4.5 – 6.5	**1433556**	B 500	2000	2500	2.5	8
		4 × 12	6.5 – 8.5	**1433557**	B 500	2000	2500	2.5	8
		4 × 16	8.5 – 12	**1454607**	B 500	2000	2500	2.5	8
		4 × 18	12 – 14	**1454609**	B 500	2000	2500	2.5	8
		4 × 20	14 – 16	**1454608**	B 500	2000	2500	2.5	8
		4 × 25	16 – 21	**1454610**	B 500	2000	2500	2.5	8
4.8		**4.8 × 8**	2 – 4	**1433558**	B 500	2900	4000	3	9.5
		4.8 × 10	4 – 6	**1433559**	B 500	2900	4000	3	9.5
4.9 mm		**4.8 × 12**	6 – 8	**1433560**	B 500	2900	4000	3	9.5
		4.8 × 16	8 – 11	**1433561**	B 500	2900	4000	3	9.5
		4.8 × 20	11 – 15	**1433562**	B 250	2900	4000	3	9.5
		4.8 × 25	15 – 20	**1454612**	B 250	2900	4000	3	9.5

BLIND RIVETS STEEL/STEEL

D	CE	D × L mm	mm	No.		N	N	d_m mm	max. d_k mm
5 5.1 mm		**5 × 8**	2 – 4	**1454613**	B 500	3100	4400	3	9.5
		5 × 10	4 – 6	**1454614**	B 500	3100	4400	3	9.5
		5 × 12	6 – 8	**1454615**	B 500	3100	4400	3	9.5
		5 × 16	8 – 11	**1454617**	B 500	3100	4400	3	9.5
		5 × 20	11 – 15	**1454619**	B 250	3100	4400	3	9.5
		5 × 25	15 – 20	**1454620**	B 250	3100	4400	3	9.5
		5 × 30	20 – 25	**1454621**	A 100	3100	4400	3	9.5
		5 × 35	25 – 30	**1454622**	A 100	3100	4400	3	9.5
		5 × 40	30 – 34	**1454623**	B 100	3100	4400	3	9.5
		5 × 45	34 – 39	**1454624**	B 100	3100	4400	3	9.5
		5 × 50	39 – 44	**1454625**	B 100	3100	4400	3	9.5
6 6.1 mm		**6 × 10**	2.5 – 4.5	**1454626**	B 250	4400	6000	3.65	12
		6 × 12	4.5 – 6.5	**1454627**	B 250	4400	6000	3.65	12
		6 × 14	6.5 – 8.5	**1454628**	B 250	4400	6000	3.65	12
		6 × 16	8.5 – 10.5	**1454629**	B 250	4400	6000	3.65	12
		6 × 20	10.5 – 14.5	**1454630**	B 250	4400	6000	3.65	12
		6 × 25	14.5 – 19.5	**1454631**	B 250	4400	6000	3.65	12
6.4 6.5 mm		**6.4 × 8**	1 – 3	**1433563**	B 250	4900	6800	3.85	13
		6.4 × 12	3 – 6	**1433564**	B 250	4900	6800	3.85	13
		6.4 × 16	6 – 9	**1433565**	B 250	4900	6800	3.85	13
		6.4 × 20	9 – 13	**1433566**	B 250	4900	6800	3.85	13
		6.4 × 25	13 – 17	**1433567**	B 250	4900	6800	3.85	13

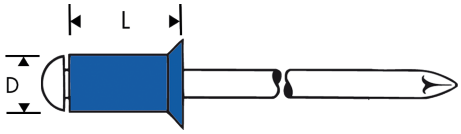
BLIND RIVETS STEEL/STEEL

Countersunk



Steel, zinc-plated

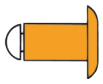
Steel, zinc-plated



D	CE	D × L mm	mm	No.		N	N	d_m mm	max. d_k mm
3		**3 × 6**	1 – 3	**1454633**	A 500	1000	1300	1.95	6
		3 × 8	3 – 5	**1454634**	A 500	1000	1300	1.95	6
3.1 mm		**3 × 10**	5 – 6.5	**1454635**	A 500	1000	1300	1.95	6
		3 × 12	6.5 – 8.5	**1454636**	A 500	1000	1300	1.95	6
4		**4 × 6**	1.5 – 2.5	**1454637**	A 500	2000	2500	2.5	7.5
		4 × 8	2.5 – 4.5	**1454638**	A 500	2000	2500	2.5	7.5
4.1 mm		**4 × 10**	4.5 – 6.5	**1454639**	B 500	2000	2500	2.5	7.5
		4 × 12	6.5 – 8.5	**1454640**	B 500	2000	2500	2.5	7.5
		4 × 16	8.5 – 12	**1454641**	B 500	2000	2500	2.5	7.5
5		**5 × 8**	2 – 4	**1454644**	B 500	3100	4400	3	9.5
		5 × 10	4 – 6	**1454645**	B 500	3100	4400	3	9.5
5.1 mm		**5 × 12**	6 – 8	**1454646**	B 500	3100	4400	3	9.5
		5 × 16	9.5 – 11	**1454647**	B 500	3100	4400	3	9.5
		5 × 20	11 – 15	**1454648**	B 250	3100	4400	3	9.5
		5 × 25	15 – 20	**1454649**	B 250	3100	4400	3	9.5

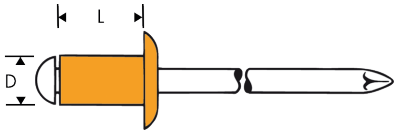
BLIND RIVETS COPPER/STEEL

Dome head



Copper

Steel, zinc-plated

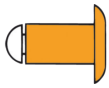


D	CE	D × L mm	mm	No.		N	N	d_m mm	max. d_k mm	
3		**3 × 4**	0.5 – 1.5	**1455279**	A 500	800	1000	1.8	6.5	
		3 × 6	1.5 – 3	**1433655**	A 500	800	1000	1.8	6.5	
3.1 mm		**3 × 8**	3 – 5	**1433656**	A 500	800	1000	1.8	6.5	
		3 × 10	5 – 7	**1433657**	A 500	800	1000	1.8	6.5	
		3 × 12	7 – 9	**1455280**	A 500	800	1000	1.8	6.5	x
4		**4 × 6**	0.5 – 3.5	**1433658**	A 500	1500	2200	2.1	8	
		4 × 8	3.5 – 4.5	**1455281**	A 500	1500	2200	2.1	8	
4.1 mm		**4 × 10**	4.5 – 6.5	**1455282**	A 500	1500	2200	2.1	8	

x = Sale – Only while stocks last.

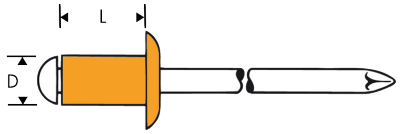
BLIND RIVETS COPPER/BRONZE

Dome head



Copper

Bronze



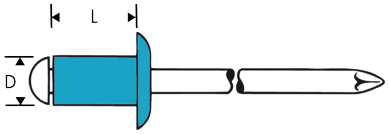
D	CE	D × L mm	mm	No.		N	N	d_m mm	max. d_k mm
3		**3 × 4**	0.5 – 1.5	**1455289**	A 500	800	1000	1.8	6.5
		3 × 6	1.5 – 3	**1455290**	A 500	800	1000	1.8	6.5
3.1 mm		**3 × 8**	3 – 5	**1433661**	A 500	800	1000	1.8	6.5
		3 × 10	5 – 7	**1455291**	A 500	800	1000	1.8	6.5
4		**4 × 6**	0.5 – 3.5	**1455293**	A 500	1500	2200	2.1	8
		4 × 8	3.5 – 4.5	**1455294**	A 500	1500	2200	2.1	8
4.1 mm		**4 × 10**	4.5 – 6.5	**1455295**	A 500	1500	2200	2.1	8

BLIND RIVETS A2 STAINLESS STEEL

Dome head

Stainless steel A2
Nr. 1.4567

Stainless steel A2



D	CE	D × L mm	mm	No.		N	N	d_m mm	max. d_k mm
3		**3 × 6**	1 – 3	**1433621**	A 500	1600	2000	2	6.5
		3 × 8	3 – 5	**1433622**	A 500	1600	2000	2	6.5
3.1 mm		**3 × 10**	5 – 6.5	**1455157**	A 500	1600	2000	2	6.5
		3 × 12	6.5 – 8.5	**1455158**	A 500	1600	2000	2	6.5
		3 × 14	8.5 – 10.5	**1455159**	A 500	1600	2000	2	6.5
		3 × 16	10.5 – 12.5	**1455160**	A 500	1600	2000	2	6.5
3.2		**3.2 × 6**	1 – 3	**1433623**	A 500	1900	2500	2	6.5
		3.2 × 8	3 – 5	**1433624**	A 500	1900	2500	2	6.5
3.3 mm		**3.2 × 10**	5 – 6.5	**1433625**	A 500	1900	2500	2	6.5
		3.2 × 12	6.5 – 8.5	**1433626**	A 500	1900	2500	2	6.5
		3.2 × 16	8.5 – 12.5	**1455161**	A 500	1900	2500	2	6.5
4	CE	**4 × 6**	1 – 2.5	**1433627**	A 500	2700	3600	2.6	8
	CE	**4 × 8**	2.5 – 4.5	**1433628**	A 500	2700	3600	2.6	8
4.1 mm	CE	**4 × 10**	4.5 – 6.5	**1433629**	B 500	2700	3600	2.6	8
	CE	**4 × 12**	6.5 – 8.5	**1433630**	B 500	2700	3600	2.6	8
	CE	**4 × 14**	8.5 – 10.5	**1433633**	B 500	2700	3600	2.6	8
	CE	**4 × 16**	10.5 – 12	**1433631**	B 500	2700	3600	2.6	8
	CE	**4 × 20**	12 – 16	**1433632**	B 500	3800	4500	2.6	8
	CE	**4 × 25**	16 – 21	**1455163**	B 500	3800	4500	2.6	8
4.8	CE	**4.8 × 6**	1.5 – 3	**1455164**	B 500	4000	5000	3.2	9.5
	CE	**4.8 × 8**	2 – 4	**1433634**	B 500	4000	5000	3.2	9.5
4.9 mm	CE	**4.8 × 10**	4 – 6	**1433635**	B 500	4000	5000	3.2	9.5
	CE	**4.8 × 12**	6 – 8	**1433636**	B 500	4000	5000	3.2	9.5
	CE	**4.8 × 14**	8 – 9.5	**1455165**	B 500	4000	5000	3.2	9.5
	CE	**4.8 × 16**	9.5 – 11	**1433637**	B 500	4000	5000	3.2	9.5
	CE	**4.8 × 20**	11 – 15	**1433638**	B 250	4000	5000	3.2	9.5
	CE	**4.8 × 25**	15 – 20	**1455166**	B 250	4000	5000	3.2	9.5
	CE	**4.8 × 30**	20 – 25	**1433639**	A 100	4000	5000	3.2	9.5

CE → **ETA 13/0255 Authorisation documents**

Material surcharge will be added at a daily rate.

Test procedure according to DIN EN ISO 14589

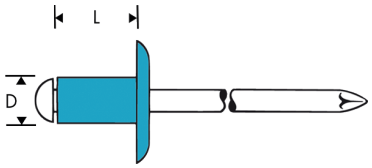
BLIND RIVETS A2 STAINLESS STEEL

D	CE	D × L mm	mm	No.		N	N	d_m mm	max. d_k mm
5		**5 × 8**	2 – 4	**1455168**	B 500	4000	5000	3.2	9.5
		5 × 10	4 – 6	**1455169**	B 500	4700	5900	3.2	9.5
5.1 mm		**5 × 12**	6 – 8	**1455170**	B 500	4700	5900	3.2	9.5
		5 × 14	8 – 9.5	**1455171**	B 500	4700	5900	3.2	9.5
		5 × 16	9.5 – 11	**1455172**	B 500	4700	5900	3.2	9.5
		5 × 20	11 – 15	**1433646**	B 250	4700	5900	3.2	9.5
		5 × 25	15 – 20	**1433647**	B 250	4700	5900	3.2	9.5
		5 × 30	20 – 25	**1433648**	A 100	4700	5900	3.2	9.5
		5 × 35	25 – 30	**1455173**	A 100	4700	5900	3.2	9.5
		5 × 40	30 – 34	**1433649**	A 100	5900	7200	3.2	9.5

Large flange

Stainless steel A2
Nr. 1.4567

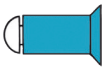
Stainless steel A2



D	CE	D × L mm	mm	No.		N	N	d_m mm	max. d_k mm
4.8 K 15	CE	**4.8 × 14**	8 – 9.5	**1433640**	B 250	4000	5000	3.2	15
	CE	**4.8 × 16**	9.5 – 11	**1433641**	B 250	4000	5000	3.2	15
4.9 mm	CE	**4.8 × 20**	11 – 15	**1433642**	B 250	4000	5000	3.2	15
	CE	**4.8 × 25**	15 – 20	**1433643**	B 200	4000	5000	3.2	15
	CE	**4.8 × 30**	20 – 25	**1433644**	B 100	4000	5000	3.2	15

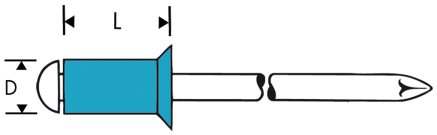
BLIND RIVETS A2 STAINLESS STEEL

Countersunk



Stainless steel A2
Nr. 1.4567

Stainless steel A2



D	CE	D × L mm	mm	No.		N	N	d_m mm	max. d_k mm
3		**3 × 6**	1.5 – 3	**1455174**	A 500	1600	2000	2	6.5
		3 × 8	3 – 5	**1433650**	A 500	1600	2000	2	6.5
3.1 mm		**3 × 10**	5 – 6.5	**1455175**	A 500	1600	2000	2	6.5
3.2		**3.2 × 6**	1.5 – 3	**1455177**	A 500	1900	2500	2	6.5
		3.2 × 8	3 – 5	**1455178**	A 500	1900	2500	2	6.5
3.3 mm		**3.2 × 10**	5 – 6.5	**1455179**	A 500	1900	2500	2	6.5
4		**4 × 8**	1.5 – 4.5	**1455181**	A 500	2700	3600	2.6	8
		4 × 10	4.5 – 6.5	**1433651**	B 500	2700	3600	2.6	8
4.1 mm		**4 × 12**	6.5 – 8.5	**1433652**	B 500	2700	3600	2.6	8
4.8		**4.8 × 10**	4 – 6	**1455183**	B 500	4000	5000	3.2	9.5
4.9 mm		**4.8 × 12**	6 – 8	**1455184**	B 500	4000	5000	3.2	9.5
5		**5 × 8**	2 – 4	**1455185**	B 500	4700	5900	3.2	9.5
		5 × 10	4 – 6	**1455186**	B 500	4700	5900	3.2	9.5
5.1 mm		**5 × 12**	6.5 – 8.5	**1433653**	B 500	4700	5900	3.2	9.5

CE → **ETA 13/0255 Authorisation documents**

Material surcharge will be added at a daily rate.

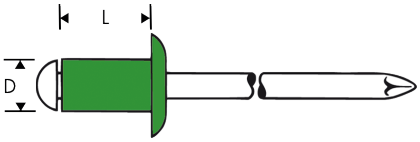
Test procedure according to DIN EN ISO 14589

BLIND RIVETS A4 STAINLESS STEEL

Dome head

Stainless steel A4
Nr. 1.4578

Stainless steel A4



D	CE	D × L mm	mm	No.		N	N	d_m mm	max. d_k mm
3		**3 × 6**	1 – 3	**1455530**	A 500	1600	2000	2	6.5
		3 × 8	3 – 5	**1455531**	A 500	1600	2000	2	6.5
3.1 mm		**3 × 10**	5 – 6.5	**1455532**	A 500	1600	2000	2	6.5
		3 × 12	6.5 – 8.5	**1455533**	A 500	1600	2000	2	6.5
3.2		**3.2 × 6**	1 – 3	**1433761**	A 500	1900	2500	2	6.5
		3.2 × 8	3 – 5	**1433762**	A 500	1900	2500	2	6.5
3.3 mm		**3.2 × 10**	5 – 6.5	**1433763**	A 500	1900	2500	2	6.5
4	CE	**4 × 6**	1 – 2.5	**1455534**	A 500	2700	3600	2.6	8
	CE	**4 × 8**	2.5 – 4.5	**1433764**	A 500	2700	3600	2.6	8
4.1 mm	CE	**4 × 10**	4.5 – 6.5	**1433765**	B 500	2700	3600	2.6	8
	CE	**4 × 12**	6.5 – 8.5	**1433766**	B 500	2700	3600	2.6	8
	CE	**4 × 14**	8.5 – 10.5	**1455536**	B 500	2700	3600	2.6	8
	CE	**4 × 16**	10.5 – 12	**1433767**	B 500	2700	3600	2.6	8
4.8	CE	**4.8 × 8**	3 – 4.5	**1433769**	B 500	4000	5000	3.2	9.5
	CE	**4.8 × 10**	4.5 – 6	**1433770**	B 500	4000	5000	3.2	9.5
4.9 mm	CE	**4.8 × 12**	6 – 7.5	**1433777**	B 500	4000	5000	3.2	9.5
	CE	**4.8 × 16**	9.5 – 11	**1433772**	B 500	4000	5000	3.2	9.5
	CE	**4.8 × 20**	11 – 15	**1433773**	B 250	4000	5000	3.2	9.5
5		**5 × 8**	2 – 4	**1455537**	B 500	4700	5900	3.2	9.5
		5 × 10	4 – 6	**1433778**	B 500	4700	5900	3.2	9.5
5.1 mm		**5 × 12**	6 – 8	**1433779**	B 500	4700	5900	3.2	9.5
		5 × 16	8 – 11	**1433781**	B 500	4700	5900	3.2	9.5
		5 × 20	11 – 15	**1455538**	B 250	4700	5900	3.2	9.5
		5 × 25	15 – 20	**1433782**	B 250	4700	5900	3.2	9.5
		5 × 30	20 – 25	**1433783**	A 100	4700	5900	3.2	9.5
		5 × 35	25 – 30	**1433784**	A 100	4700	5900	3.2	9.5

CE → **ETA 13/0255 Authorisation documents**

Material surcharge will be added at a daily rate.

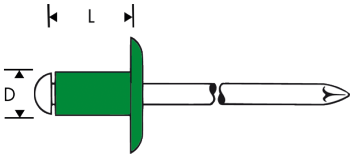
Test procedure according to DIN EN ISO 14589

BLIND RIVETS A4 STAINLESS STEEL

Large flange

Stainless steel A4
Nr. 1.4578

Stainless steel A4



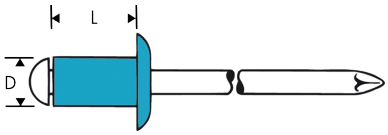
D	CE	D × L mm	mm	No.		N	N	d_m mm	max. d_k mm
4.8 **K 15** 4.9 mm	CE	**4.8 × 14**	8 – 9.5	**1433785**	B 250	4000	5000	3.2	15
	CE	**4.8 × 16**	9.5 – 11	**1433786**	B 250	4000	5000	3.2	15
	CE	**4.8 × 20**	11 – 15	**1433787**	B 250	4000	5000	3.2	15
	CE	**4.8 × 25**	15 – 20	**1433788**	B 200	4000	5000	3.2	15
	CE	**4.8 × 30**	20 – 25	**1433789**	B 100	4000	5000	3.2	15
	CE	**4.8 × 35**	25 – 30	**1433790**	B 100	4000	5000	3.2	15

BLIND RIVETS STINOX

Dome head

Stainless steel A2
Nr. 1.4567

Steel, zinc-plated



D	CE	D × L mm	mm	No.		N	N	d_m mm	max. d_k mm
3 3.1 mm		**3 × 6**	1 – 3	**1455297**	A 500	1600	2000	2	6.5
		3 × 8	3 – 5	**1455298**	A 500	1600	2000	2	6.5
4 4.1 mm		**4 × 8**	2.5 – 4.5	**1455304**	A 500	2700	3600	2.6	8
		4 × 10	4.5 – 6.5	**1455305**	B 500	2700	3600	2.6	8
		4 × 12	6.5 – 8.5	**1455306**	B 500	2700	3600	2.6	8
		4 × 16	8.5 – 12	**1455307**	B 500	2700	3600	2.6	8
5 5.1 mm		**5 × 8**	2 – 4	**1455311**	B 500	4700	5900	3.2	9.5
		5 × 10	4 – 6	**1455312**	B 500	4700	5900	3.2	9.5

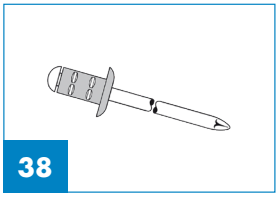
CE → **ETA 13/0255 Authorisation documents**

Material surcharge will be added at a daily rate.

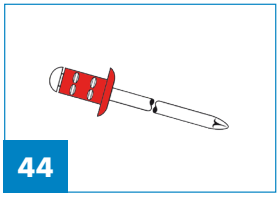
Test procedure according to DIN EN ISO 14589

OUT OF THE BOX

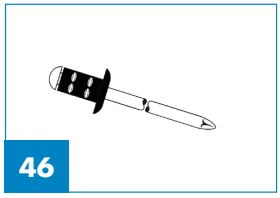
37


38

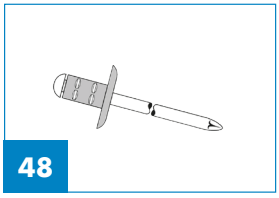
PolyGrip®


44

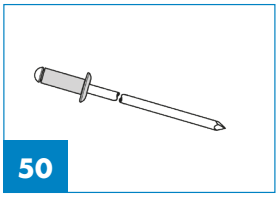
Coloured blind rivets


46

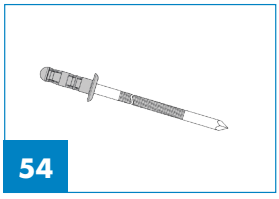
e-FAST


48

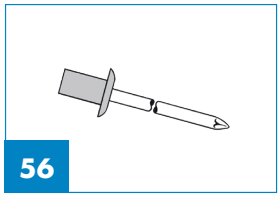
SolarGrip®


50

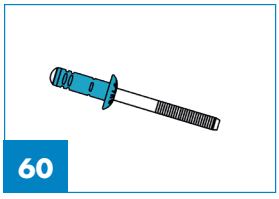
UniversalGrip


54

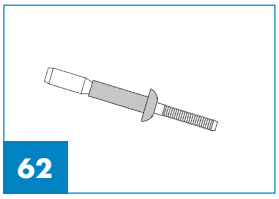
PolyBulb®


56

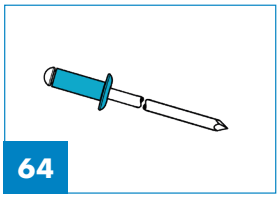
CAP®


60

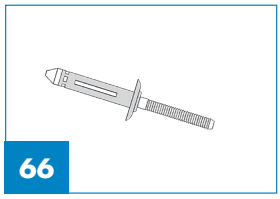
G-Bulb


62

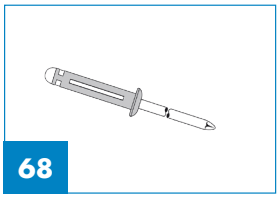
MEGA GRIP®


64

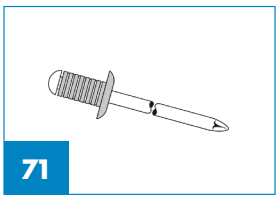
Roof rivet


66

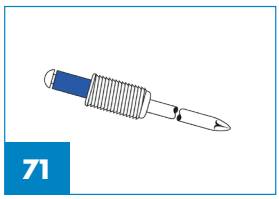
BULB-TITE®


68

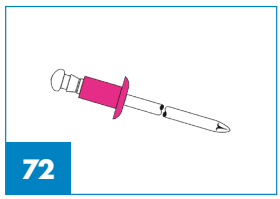
TRI-FOLD®


71

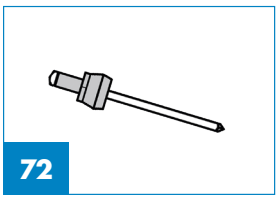
Special blind rivets:
Grooved


71

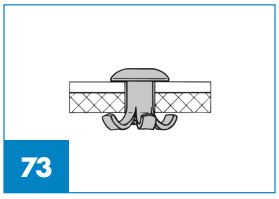
Special blind rivets:
Threaded


72

Special blind rivets:
Plastic


72

Special blind rivets:
Profile clinching


73

Special blind rivets:
Peel

POLYGRIP®

GESIPA®-PolyGrip® – The favourite for difficult and demanding applications in an industrial environment for all materials

OVERVIEW

Grip range	0.5 – 24 mm
Dimensions	Ø 3.2 – 6.4 mm
Variants	Large flange, Countersunk, Dome head
Material	● ● ● ●
ETA approval	yes → see detail page

The multigrip blind rivet PolyGrip® is an all-rounder when it comes to meeting difficult and demanding requirements in an industrial environment. Whether in aluminium, steel or stainless steel, indoors or outdoors, with hard or soft joining materials, critical drill hole diameter and tolerances, PolyGrip® is almost always the solution.

ADVANTAGES

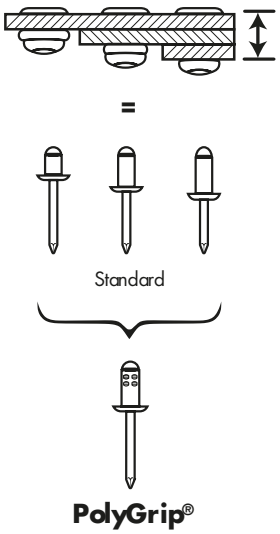
- → Economical – replaces up to five different rivet sizes
- → Excellent hole filling capability – compensates for drilling inaccuracies
- → Reliable locking of the breakstem – no annoying rattling noises during use
- → Splash-proof under certain conditions
- → Wide closing head formation for high connection reliability

AREA OF APPLICATION

- → Universally usable

MAIN FEATURES

Large grip range:
One single PolyGrip® blind rivet can replace up to five different sizes of standard DIN blind rivets



Your benefits

> Type simplification
> Limited type variety for reduced stocks
> Lower risk of confusion therefore fewer mistakes in production

CE → **ETA 13/0255 Authorisation documents**

Test procedure according to DIN EN ISO 14589

Under certain conditions all GESIPA® PolyGrip® blind rivets are splash waterproof.

Material surcharge will be added at a daily rate.

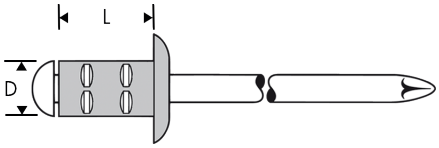
POLYGRIP®

alu/steel

Dome head

Aluminium alloy

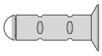
Steel, zinc-plated



D	CE	D × L mm	mm	No.		N	N	d_m mm	max. d_k mm
3.2		**3.2 × 8**	0.5 – 5	**1433822**	B 1000	720	1050	1.8	6.5
		3.2 × 9.5	1.5 – 6.5	**1433823**	B 1000	720	1050	1.8	6.5
3.3 mm		**3.2 × 11**	3 – 8	**1433824**	B 1000	720	1050	1.8	6.5
4		**4 × 10**	0.5 – 6.5	**1433826**	B 500	1060	1680	2.3	8
		4 × 13	3.5 – 9.5	**1433827**	B 500	1060	1680	2.3	8
4.1 mm		**4 × 17**	7 – 13	**1433828**	B 500	1060	1680	2.3	8
4.8	CE	**4.8 × 10**	0.5 – 6.5	**1433831**	B 500	1500	2300	2.7	9.5
	CE	**4.8 × 15**	4.5 – 11	**1433832**	B 500	1500	2300	2.7	9.5
4.9 mm	CE	**4.8 × 17**	6.5 – 13	**1433833**	B 500	1500	2300	2.7	9.5
	CE	**4.8 × 25**	11 – 19.5	**1433838**	B 250	1500	2300	2.7	9.5
	CE	**4.8 × 30**	16 – 24	**1433839**	B 250	1500	2300	2.7	9.5
6.4		**6.4 × 15**	1.5 – 9	**1433841**	B 250	2800	4000	3.65	13
		6.4 × 20	6 – 14	**1433842**	B 250	2800	4000	3.65	13
6.5 mm		**6.4 × 25**	10 – 18	**1433843**	B 250	2800	4000	3.65	13

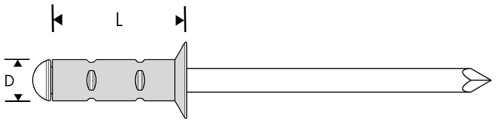
alu/steel

Countersunk



Aluminium alloy

Steel, zinc-plated



D	CE	D × L mm	mm	No.		N	N	d_m mm	max. d_k mm
3.2		**3.2 × 6**	1 – 3	**1450404**	B 1000	720	1050	1.8	6.5
3.3 mm		**3.2 × 10**	4 – 7	**1450405**	B 1000	720	1050	1.8	6.5
4		**4 × 6**	1.5 – 3.5	**1450406**	B 500	1060	1680	2.3	8
4.1 mm		**4 × 12**	3.5 – 8.5	**1446470**	B 500	1060	1680	2.3	8
4.8		**4.8 × 10**	2 – 5	**1450407**	B 500	1500	2300	2.7	9.5
4.9 mm		**4.8 × 15**	5 – 11	**1446471**	B 500	1500	2300	2.7	9.5

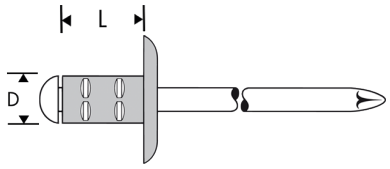
POLYGRIP®

alu/steel

Large flange

Aluminium alloy

Steel, zinc-plated



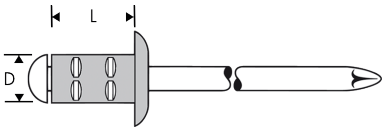
D	CE	D × L mm	mm	No.		N	N	d_m mm	max. d_k mm
3.2 **K 9.5** 3.3 mm		**3.2 × 8**	0.5 – 5	**1433825**	B 1000	720	1050	1.8	9.5
		3.2 × 9.5	1.5 – 6.5	**1455675**	B 1000	720	1050	1.8	9.5
		3.2 × 11	3 – 8	**1455676**	B 1000	720	1050	1.8	9.5
4 **K 12** 4.1 mm		**4 × 10**	0.5 – 6.5	**1433829**	B 500	1060	1680	2.3	12
		4 × 13	3.5 – 9.5	**1433830**	B 500	1060	1680	2.3	12
		4 × 17	7 – 13	**1433837**	B 500	1060	1680	2.3	12
4.8 **K 16** 4.9 mm	CE	**4.8 × 10**	0.5 – 6.5	**1433834**	B 250	1500	2300	2.7	16
	CE	**4.8 × 15**	4.5 – 11	**1433835**	B 250	1500	2300	2.7	16
	CE	**4.8 × 17**	6.5 – 13	**1433836**	B 250	1500	2300	2.7	16
	CE	**4.8 × 25**	11 – 19.5	**1433840**	B 100	1500	2300	2.7	16
	CE	**4.8 × 30**	16 – 24	**1455677**	B 100	1500	2300	2.7	16

alu/stainless steel

Dome head

Aluminium alloy

Stainless steel A2



D	CE	D × L mm	mm	No.		N	N	d_m mm	max. d_k mm
3.2 3.3 mm		**3.2 × 8**	0.5 – 5	**1433883**	B 1000	720	1050	1.8	6.5
		3.2 × 9.5	1.5 – 6.5	**1433884**	B 1000	720	1050	1.8	6.5
		3.2 × 11	3 – 8	**1433885**	B 1000	720	1050	1.8	6.5
4 4.1 mm	CE	**4 × 10**	0.5 – 6.5	**1433887**	B 500	1060	1680	2.3	8
	CE	**4 × 13**	3.5 – 9.5	**1433888**	B 500	1060	1680	2.3	8
	CE	**4 × 17**	7 – 13	**1433889**	B 500	1060	1680	2.3	8
4.8 4.9 mm	CE	**4.8 × 10**	0.5 – 6.5	**1433892**	B 500	1500	2300	2.7	9.5
	CE	**4.8 × 15**	4.5 – 11	**1433893**	B 500	1500	2300	2.7	9.5
	CE	**4.8 × 17**	6.5 – 13	**1433894**	B 500	1500	2300	2.7	9.5
	CE	**4.8 × 25**	11 – 19.5	**1433895**	B 250	1500	2300	2.7	9.5
	CE	**4.8 × 30**	16 – 24	**1433896**	B 250	1500	2300	2.7	9.5
6.4 6.5 mm		**6.4 × 15**	1.5 – 9	**1433902**	B 250	2800	4000	3.65	13
		6.4 × 20	6 – 14	**1433903**	B 250	2800	4000	3.65	13
		6.4 × 25	10 – 18	**1433904**	B 250	2800	4000	3.65	13

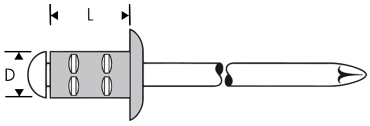
POLYGRIP®

alu/stainless steel

Large flange

Aluminium alloy

Stainless steel A2



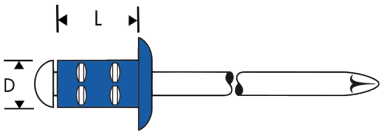
D	CE	D × L mm	mm	No.		N	N	d_m mm	max. d_k mm
3.2		**3.2 × 8**	0.5 – 5	**1456032**	B 1000	720	1050	1.8	9.5
K 9.5		**3.2 × 9.5**	1.5 – 6.5	**1433886**	B 1000	720	1050	1.8	9.5
3.3 mm									
4	CE	**4 × 10**	0.5 – 6.5	**1433890**	B 500	1060	1680	2.3	12
K 12	CE	**4 × 13**	3.5 – 9.5	**1433891**	B 500	1060	1680	2.3	12
4.1 mm	CE	**4 × 17**	7 – 13	**1456034**	B 500	1060	1680	2.3	12
4.8	CE	**4.8 × 10**	0.5 – 6.5	**1433897**	B 250	1500	2300	2.7	16
K 16	CE	**4.8 × 15**	4.5 – 11	**1433898**	B 250	1500	2300	2.7	16
4.9 mm	CE	**4.8 × 17**	6.5 – 13	**1433899**	B 250	1500	2300	2.7	16
	CE	**4.8 × 25**	11 – 19.5	**1433900**	B 100	1500	2300	2.7	16
	CE	**4.8 × 30**	16 – 24	**1433901**	B 100	1500	2300	2.7	16

steel/steel

Dome head

Steel, zinc-plated

Steel, zinc-plated



D	CE	D × L mm	mm	No.		N	N	d_m mm	max. d_k mm
3.2		**3.2 × 8**	1 – 5	**1433866**	B 1000	1200	1600	2.1	9.5
		3.2 × 9.5	2 – 6.5	**1433867**	B 1000	1200	1600	2.1	9.5
3.3 mm		**3.2 × 11**	3 – 8	**1433868**	B 1000	1200	1600	2.1	9.5
4		**4 × 10**	1.5 – 6.5	**1433869**	B 500	1650	2400	2.6	8
		4 × 13	4.5 – 9	**1433870**	B 500	1650	2400	2.6	8
4.1 mm		**4 × 17**	8.5 – 13	**1433871**	B 500	1650	2400	2.6	8
4.8		**4.8 × 10**	1.5 – 6.5	**1433873**	B 500	2400	3200	3.2	9.5
		4.8 × 15	6 – 11	**1433874**	B 250	2400	3200	3.2	9.5
4.9 mm		**4.8 × 17**	8.5 – 13	**1433875**	B 250	2400	3200	3.2	9.5
6.4		**6.4 × 15**	2 – 8	**1433877**	B 250	4000	6100	4.25	13
		6.4 × 20	5 – 13	**1433878**	B 250	4000	6100	4.25	13
6.5 mm		**6.4 × 25**	10 – 18	**1433879**	B 200	4000	6100	4.25	13

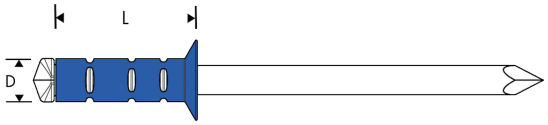
POLYGRIP®

steel/steel

Countersunk

Steel, zinc-plated

Steel, zinc-plated



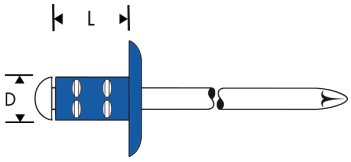
D	CE	D × L mm	mm	No.		N	N	d_m mm	max. d_k mm
3.2		**3.2 × 6**	1 – 3	**1450435**	B 1000	1200	1600	2.1	6.5
3.3 mm		**3.2 × 10**	3 – 7	**1450436**	B 1000	1200	1600	2.1	6.5
4		**4 × 6**	1.5 – 3.5	**1450437**	B 500	1650	2400	2.6	8
4.1 mm		**4 × 12**	3.5 – 8.5	**1446482**	B 500	1650	2400	2.6	8
4.8		**4.8 × 10**	2 – 6	**1446483**	B 500	2400	3200	3.2	9.5
4.9 mm		**4.8 × 15**	5.5 – 11	**1446484**	B 500	2400	3200	3.2	9.5

steel/steel

Large flange

Steel, zinc-plated

Steel, zinc-plated

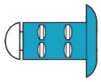


D	CE	D × L mm	mm	No.		N	N	d_m mm	max. d_k mm
3.2		**3.2 × 8**	1 – 5	**1455972**	B 1000	1200	1600	2.1	9.5
K 9.5		**3.2 × 9.5**	2 – 6.5	**1455973**	B 1000	1200	1600	2.1	9.5
3.3 mm		**3.2 × 11**	3 – 8	**1455974**	B 1000	1200	1600	2.1	9.5
4		**4 × 10**	1.5 – 6.5	**1433872**	B 500	1650	2400	2.6	12
K 12		**4 × 13**	4.5 – 9	**1455975**	B 500	1650	2400	2.6	12
4.1 mm		**4 × 17**	8.5 – 13	**1455976**	B 500	1650	2400	2.6	12
4.8		**4.8 × 10**	1.5 – 6.5	**1433876**	B 250	2400	3200	3.2	16
K 16		**4.8 × 15**	6 – 11	**1455977**	B 250	2400	3200	3.2	16
4.9 mm		**4.8 × 17**	8.5 – 13	**1455978**	B 250	2400	3200	3.2	16

POLYGRIP®

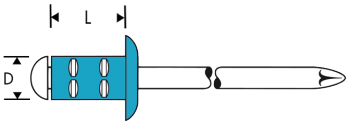
A2 stainless steel

Dome head



Stainless steel A2
Nr. 1.4567

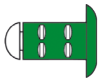
Stainless steel A2



D	CE	D × L mm	mm	No.		N	N	d_m mm	max. d_k mm
3.2		**3.2 × 8**	1 – 5	**1433909**	B 1000	1450	2300	2.2	6.5
		3.2 × 9.5	2 – 6	**1456288**	B 1000	1450	2300	2.2	6.5
3.3 mm		**3.2 × 11**	3 – 8	**1433910**	B 1000	1450	2300	2.2	6.5
4		**4 × 10**	1 – 6.5	**1433911**	B 500	2650	3600	2.7	8
		4 × 13	3 – 8	**1433912**	B 500	2650	3600	2.7	8
4.1 mm		**4 × 17**	7 – 11	**1433913**	B 500	2650	3600	2.7	8
4.8	CE	**4.8 × 10**	1 – 6.5	**1433914**	B 500	4000	5000	3.2	9.5
	CE	**4.8 × 15**	5 – 10	**1433915**	B 500	4000	5000	3.2	9.5
4.9 mm	CE	**4.8 × 17**	8 – 12	**1433916**	B 500	4000	5000	3.2	9.5
6.4		**6.4 × 13**	2 – 6.5	**1433918**	B 250	7800	8800	4.25	13
		6.4 × 15	3.5 – 8.5	**1433917**	B 250	7800	8800	4.25	13
6.5 mm		**6.4 × 20**	7 – 12.5	**1433919**	B 200	7800	8800	4.25	13

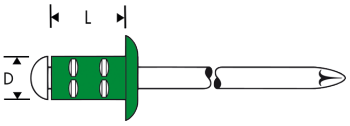
A4 stainless steel

Dome head



Stainless steel A4
Nr. 1.4578

Stainless steel A4



D	CE	D × L mm	mm	No.		N	N	d_m mm	max. d_k mm
3.2		**3.2 × 11**	3 – 8	**1433921**	B 1000	1450	2300	2.2	6.5
3.3 mm									
4		**4 × 10**	1 – 6.5	**1433922**	B 500	2650	3600	2.7	8
4.1 mm									
4.8		**4.8 × 10**	1 – 6.5	**1433923**	B 500	4000	5000	3.2	9.5
4.9 mm		**4.8 × 15**	5 – 10	**1433924**	B 500	4000	5000	3.2	9.5

COLOURED BLIND RIVETS POLYGRIP® IN ALU/STAINLESS STEEL

Coloured blind rivets – visually appealing with added corrosion protection

OVERVIEW

Grip range	0.5 – 19.5 mm
Dimensions	Ø 3.2 – 4.8 mm
Variants	Dome head
Material	●
ETA approval	yes → see detail page

GESIPA® blind rivets are available in a range of standard RAL colours for creating visually appealing joints between components in different colours. The standard range of painted blind rivets includes 15 RAL colours. Anodised blind rivets and other RAL or special colours are available on request.

ADVANTAGES

→ Good durability
→ Corrosion protection
→ High-quality appearance in the building sector

AREA OF APPLICATION

→ Facade construction
→ Balcony design
→ Fence construction

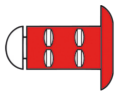
CE → **ETA 13/0255**
Authorisation documents

All sizes on request – also available in bulk packs.

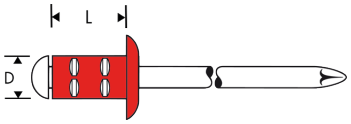
The material surcharge will be added at a daily rate.

COLOURED BLIND RIVETS POLYGRIP® IN ALU/STAINLESS STEEL

Dome head


Aluminium alloy

Stainless steel A2



x = No longer in stock

D mm	D x L mm	mm	RAL 1015 Light ivory No.	RAL 3000 Flame red No.	RAL 5010 Gentian blue No.	RAL 7011 Iron grey No.	RAL 7016 Anthracit grey No.	
3.2	**3.2 x 8**	0.5 - 5.0	x	x	x	x	**1450448**	B 1000
3.3 mm	**3.2 x 9.5**	1.5 - 6.5	x	x	x	x	**1450449**	B 1000
	3.2 x 11	3.0 - 8.0	x	x	x	x	**1446510**	B 1000
4 CE	**4 x 10**	0.5 - 6.5	**1456036**	**1456049**	**1456057**	**1456066**	**1456159**	B 500
4.1 mm	**4 x 13**	3.5 - 9.5	**1456037**	**1456050**	**1446496**	**1456067**	**1446511**	B 500
	4 x 17	7.0 - 13.0	x	x	x	x	**1456160**	B 500
4.8 CE	**4.8 x 10**	0.5 - 6.5	**1456039**	**1456051**	**1456059**	**1456068**	**1450450**	B 500
4.9 mm	**4.8 x 15**	4.5 - 11.0	**1456040**	**1456052**	**1456060**	**1456069**	**1456161**	B 500
	4.8 x 17	6.5 - 13.0	**1446487**	**1456053**	**1456061**	**1450447**	**1456162**	B 500
	4.8 x 25	11.0 - 19.5	**1456041**	**1456054**	**1456062**	**1456070**	**1446512**	B 250

D mm	D x L mm	mm	RAL 7022 Umbra grey No.	RAL 7024 Graphite grey No.	RAL 8014 Sepia brown No.	RAL 9002 Grey white No.	RAL 9003 Signal white No.	
3.2	**3.2 x 8**	0.5 - 5.0	x	x	**1456088**	**1456096**	**1456106**	B 1000
3.3 mm	**3.2 x 9.5**	1.5 - 6.5	x	x	**1456089**	x	**1446503**	B 1000
	3.2 x 11	3.0 - 8.0	x	x	**1446501**	x	**1456107**	B 1000
4 CE	**4 x 10**	0.5 - 6.5	**1456074**	**1456082**	**1456090**	**1456099**	**1456108**	B 500
4.1 mm	**4 x 13**	3.5 - 9.5	**1456075**	**1456083**	**1456091**	**1456100**	**1456109**	B 500
	4 x 17	7.0 - 13.0	x	x	**1456092**	**1456101**	**1456110**	B 500
4.8 CE	**4.8 x 10**	0.5 - 6.5	x	**1456085**	**1456093**	**1456102**	**1456111**	B 500
4.9 mm								

D mm	D x L mm	mm	RAL 9005 Jet black No.	RAL 9006 White aluminium No.	RAL 9007 Grey aluminium No.	RAL 9010 Pure white No.	RAL 9011 Graphite black No.	
3.2	**3.2 x 8**	0.5 - 5.0	**1456114**	x	**1456131**	**1456140**	**1456150**	B 1000
3.3 mm	**3.2 x 9.5**	1.5 - 6.5	**1456115**	x	**1456132**	**1456141**	**1456151**	B 1000
	3.2 x 11	3.0 - 8.0	**1456116**	**1446505**	**1456133**	**1456142**	**1456152**	B 1000
4 CE	**4 x 10**	0.5 - 6.5	**1456117**	**1456126**	**1456134**	**1456143**	**1456153**	B 500
4.1 mm	**4 x 13**	3.5 - 9.5	**1456118**	**1446506**	**1456135**	**1456144**	**1456154**	B 500
	4 x 17	7.0 - 13.0	**1456119**	**1456127**	**1446508**	**1456145**	**1456155**	B 500
4.8 CE	**4.8 x 10**	0.5 - 6.5	**1456120**	**1456128**	**1456136**	**1456146**	**1456156**	B 500
4.9 mm	**4.8 x 15**	4.5 - 11.0	**1456121**	**1456129**	**1456137**	**1456147**	**1456157**	B 500
	4.8 x 17	6.5 - 13.0	**1456122**	**1456130**	**1456138**	**1456148**	**1446509**	B 500
	4.8 x 25	11.0 - 19.5	**1456123**	x	**1456139**	**1456149**	x	B 250

e-FAST POLYGRIP® CUPBOARD RIVET

e-Fast – The special PolyGrip® cupboard rivet – One fastener for all your needs!

OVERVIEW

Grip range	1.5 – 9 mm
Dimensions	Ø 3.2 – 4.8 mm
Variants	Dome head
Material	●

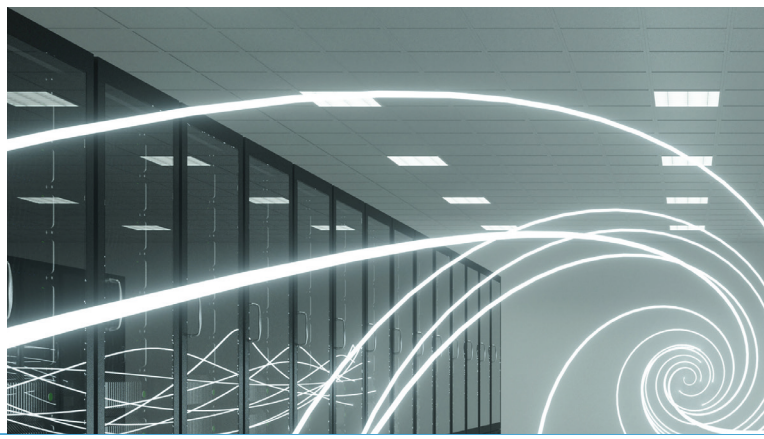
The black-coated e-Fast was developed for control cabinet technology. The mandrel locking mechanism ensures that no mandrel protrudes when setting and damage is avoided when pulling in cables. No loose residues such as mandrels or chips are produced during processing.

ADVANTAGES

- → No mandrel protrusion – no cable damage when inserting
- → (Long) hole cover through large setting head
- → Locking of the mandrel, no chips or loose residue
- → Suitable for large drill holes, large grip range
- → Insulating properties
- → Black coating – enables visual inspection

AREA OF APPLICATION

- → Control cabinet construction
- → Electronic applications



The best setting results are achieved with the AccuBird® Pro or the PowerBird® Pro Gold Edition.

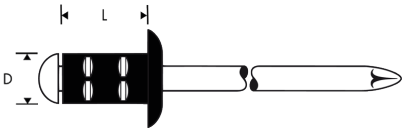
e-FAST POLYGRIP® CUPBOARD RIVET

alu/steel

Dome head

Aluminium alloy

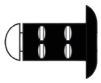
Steel, zinc-plated



D	CE	D × L mm	mm	No.		N	N	d_m mm	max. d_k mm	
4 4.1 mm		**4 × 13**	3.5 – 9.5	**1785458**	B 500	1060	1680	2.3	11.4	NEW
4.8 5.1 mm		**4.8 × 15**	3.3 – 9	**1712694**	B 250	1500	2300	2.7	11.4	

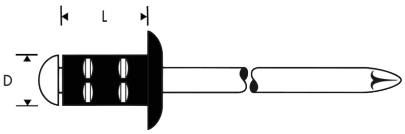
alu/stainless steel

Dome head



Aluminium alloy

Stainless steel A2



D	CE	D × L mm	mm	No.		N	N	d_m mm	max. d_k mm	
3.2 3.3 mm		**3.2 × 8**	1.5 – 5	**1807618**	B 1000	720	1050	1.8	6.5	NEW

SOLARGRIP® – THE SPECIAL RIVET

SolarGrip® – The specialist for flexible use in the solar sector

OVERVIEW

Grip range	3 – 8 mm
Dimensions	Ø 4.8 – 6.4 mm
Variants	Dome head
Material	●
ETA approval	yes → see detail page

Millions of connections prove the reliability of GESIPA® SolarGrip® blind rivets every day in stormy, rainy, snowy and sunny weather. It has a coordinated grip range for many solar applications. It is possible to rivet foam rubber seals at the same time.

ADVANTAGES

- → Corrosion protection
- → Long service life
- → High cost-effectiveness
- → Splash-proof with special coating
- → ETA approval 13/0255
- → System with PowerBird® Pro Solar

AREA OF APPLICATION

- → Solar mounting systems on trapezoidal sheet metal

CE → **ETA 13/0255 Authorisation documents**

Material surcharge will be added at a daily rate.

All sizes on request – also available in bulk packs

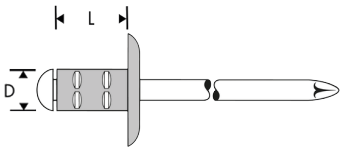
SOLARGRIP® – THE SPECIAL RIVET

alu/steel

Dome head

Aluminium alloy

Steel, zinc-plated



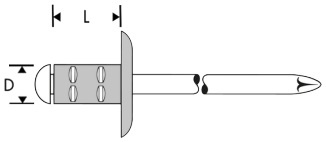
D	CE	D × L mm	mm	No.		N	N	d_m mm	max. d_k mm
6.4 K 11.4 6.5 mm	CE	**6.4 × 14**	3 – 8	**1455678**	P 250	2800	4000	3.65	11.4

alu/stainless steel

Dome head

Aluminium alloy

Stainless steel A2



D	CE	D × L mm	mm	No.		N	N	d_m mm	max. d_k mm
4.8 K 11.4 4.9 mm	CE	**4.8 × 12**	3 – 5	**1433905**	P 500	1500	2300	2.7	11.4
	CE	**4.8 × 15**	5 – 8	**1433906**	P 500	1500	2300	2.7	11.4

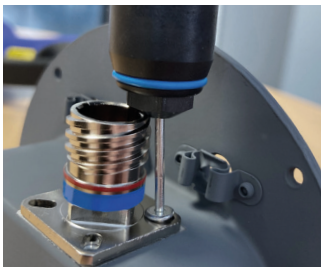
UNIVERSALGRIP

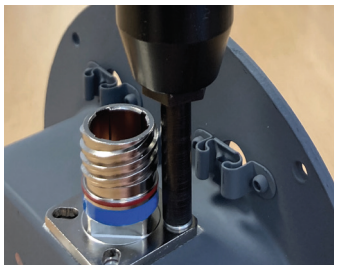
The PolyGrip® fastener for hard-to-reach riveting points

NEW

OVERVIEW	
Grip range	0.5 – 6.5 mm
Dimensions	Ø 3.2 – 4.8 mm
Variants	Dome head
Material	

With the UniversalGrip, which combines the advantages of the PolyGrip® all-rounder and a long mandrel, it is easy to reach difficult-to-access or low-lying installation points that are obstructed by protruding edges.





ADVANTAGES

- → Long mandrel – enables the use of extended nosepieces
- → Economical – one size can replace up to five standard sizes
- → Easy to use – with standard equipment and a standard extended nosepiece
- → Standardisation – also for small annual requirements

AREA OF APPLICATION

- → All industries or craft enterprises

UNIVERSALGRIP

alu/steel

Dome head

Aluminium alloy

Steel, zinc-plated

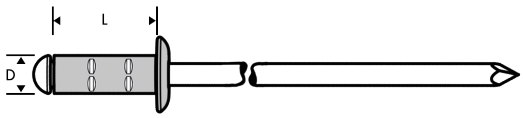
D	CE	D × L mm	mm	No.		N	N	d_m mm	max. d_k mm	
3.2 3.3 mm		**3.2 × 8**	0.5 – 5	**1816968**	B 500	720	1050	1.8	6.5	NEW
4 4.1 mm		**4 × 10**	0.5 – 6.5	**1818484**	B 250	1060	1680	2.3	8	NEW
4.8 4.9 mm		**4.8 × 10**	0.5 – 6.5	**1820628**	B 250	1500	2300	2.7	9.5	NEW

alu/stainless steel

Dome head

Aluminium alloy

Stainless steel A2

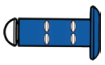


D	CE	D × L mm	mm	No.		N	N	d_m mm	max. d_k mm	
3.2 3.3 mm		**3.2 × 8**	0.5 – 5	**1816967**	B 500	720	1050	1.8	6.5	NEW
4 4.1 mm		**4 × 10**	0.5 – 6.5	**1818483**	B 250	1060	1680	2.3	8	NEW
4.8 4.9 mm		**4.8 × 10**	0.5 – 6.5	**1820627**	B 250	1500	2300	2.7	9.5	NEW

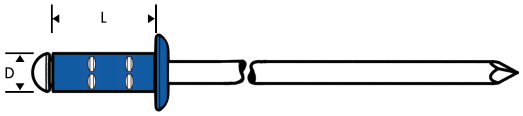
UNIVERSALGRIP

steel/steel

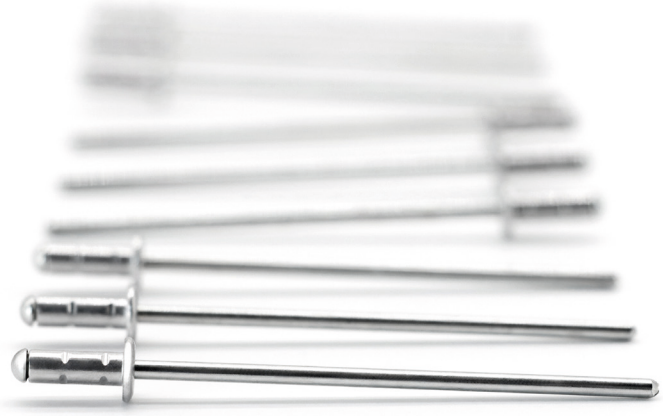
Dome head


Steel, zinc-plated

Steel, zinc-plated



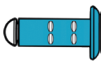
D	CE	D × L mm	mm	No.		N	N	d_m mm	max. d_k mm	
3.2 3.3 mm		**3.2 × 8**	1 – 5	**1816969**	B 500	1200	1600	2.1	6.5	NEW
4 4.1 mm		**4 × 10**	1.5 – 6.5	**1818485**	B 250	1650	2400	2.6	8	NEW
4.8 4.9 mm		**4.8 × 10**	1.5 – 6.5	**1820629**	B 250	2400	3200	3.2	9.5	NEW



UNIVERSALGRIP

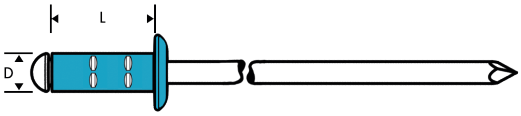
A2 stainless steel

Dome head



Stainless steel A2
Nr. 1.4567

Stainless steel A2



D	CE	D × L mm	mm	No.		N	N	d_m mm	max. d_k mm	
3.2 3.3 mm		**3.2 × 8**	1 – 5	**1816662**	B 500	1450	2300	2.17	6.5	NEW
4 4.1 mm		**4 × 10**	1 – 6.5	**1818482**	B 250	2650	3600	2.7	8	NEW
4.8 4.9 mm		**4.8 × 10**	1 – 6.5	**1820626**	B 250	4000	5000	3.2	9.5	NEW

POLYBULB® BLIND RIVETS

Very large washer-shaped closing head formation – perfect for sensitive applications with soft and brittle materials

OVERVIEW

Grip range	1.5 – 10 mm
Dimensions	Ø 4.8 mm
Variants	Dome head
Material	● ●

The PolyBulb® distributes the contact pressure evenly over the component. It is ideal for riveting soft and brittle components such as plastics and composite materials. It can replace up to three conventional blind rivets and help to reduce the variety of parts and thus the risk of confusion. It achieves an aesthetic setting pattern – important for visible areas.

ADVANTAGES

- → Large grip range
- → Large closing head
- → Ideal for visible areas – aesthetic setting pattern
- → Controlled hole filling capability – prevents white fracture
- → Ideal for plastic riveting – high tensile strength and detachment force
- → Locked mandrel – prevents rattling during use

AREA OF APPLICATION

- → HVAC
- → Automation

Test procedure according to DIN EN ISO 14589

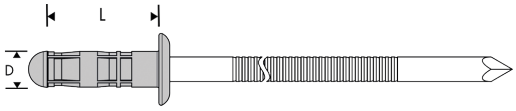
POLYBULB® BLIND RIVETS

alu/steel

Dome head

Aluminium alloy

Steel, zinc-plated



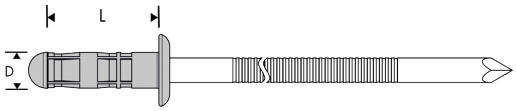
D	CE	D × L mm	mm	No.		N	N	d_m mm	max. d_k mm
4.8		**4.8 × 11**	1.5 – 6*	**1450473**	B 250	1200	1900	3	10
4.9 - 5.1 mm		**4.8 × 16**	6 – 10*	**1450474**	B 250	1200	1900	3	10

alu/stainless steel

Dome head

Aluminium alloy

Stainless steel A2



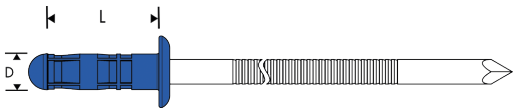
D	CE	D × L mm	mm	No.		N	N	d_m mm	max. d_k mm
4.8		**4.8 × 11**	1.5 – 4.5*	**1619573**	B 250	1200	1900	3	10
4.9 - 5.1 mm		**4.8 × 16**	6 – 9*	**1619574**	B 250	1200	1900	3	10

steel/steel

Dome head

Steel, zinc-plated

Steel, zinc-plated



D	CE	D × L mm	mm	No.		N	N	d_m mm	max. d_k mm
4.8		**4.8 × 11**	1.5 – 6	**1464926**	B 250	2700	3200	3	10
4.95.2 mm		**4.8 × 16**	6 – 10*	**1464925**	B 250	2700	3200	3	10

*Recommended value, which changes depending on the hole-Ø and the material to be riveted.

CAP® BLIND RIVETS

GESIPA® CAP® – naturally air and watertight

OVERVIEW	
Grip range	0.5 – 16 mm
Dimensions	Ø 3.2 – 4.8 mm
Variants	Dome head
Material	● ● ●

When installed correctly, GESIPA® CAP® blind rivets provide a reliable and secure connection. The technical specifications mean that it is essential to prepare the application with the utmost care. The drill hole diameter should be as small as possible to ensure the best possible performance in the application.

ADVANTAGES

- → Captive mandrel
- → Air- and watertight blind rivet head
- → A tight seal when carefully processed

AREA OF APPLICATION

- → Automotive
- → Electronics
- → Roofing trade

Test procedure according to DIN EN ISO 14589	Material surcharge will be added at a daily rate.

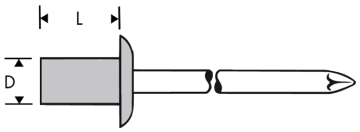
CAP® BLIND RIVETS

alu/steel

Dome head

Aluminium alloy

Steel, phosphated



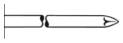
D	CE	D × L mm	mm	No.		N	N	d_m mm	max. d_k mm
3.2		**3.2 × 6.5**	0.5 – 2	**1433423**	A 500	1100	1250	1.7	6.5
		3.2 × 8	2 – 3.5	**1433424**	A 500	1100	1250	1.7	6.5
3.3 mm		**3.2 × 9.5**	3.5 – 5	**1433425**	A 500	1100	1250	1.7	6.5
		3.2 × 10.5	5 – 6.5	**1453876**	A 500	1100	1250	1.7	6.5
		3.2 × 12.5	6.5 – 8	**1453877**	A 500	1100	1250	1.7	6.5
4		**4 × 8**	0.5 – 3.5	**1433431**	B 500	1600	2200	2.2	8.5
		4 × 9.5	3.5 – 5	**1433432**	B 500	1600	2200	2.2	8.5
4.1 mm		**4 × 11**	5 – 6.5	**1433433**	B 500	1600	2200	2.2	8.5
		4 × 12.5	6.5 – 8	**1433434**	B 500	1600	2200	2.2	8.5
		4 × 15	8 – 11	**1453878**	B 500	1600	2200	2.2	8.5
4.8		**4.8 × 8**	1 – 3.5	**1433426**	B 500	2200	3100	2.6	10
		4.8 × 9.5	3.5 – 5	**1433427**	B 500	2200	3100	2.6	10
4.9 mm		**4.8 × 11**	5 – 6.5	**1433428**	B 500	2200	3100	2.6	10
		4.8 × 12.5	6.5 – 8	**1433429**	B 500	2200	3100	2.6	10
		4.8 × 14	8 – 9.5	**1433430**	B 500	2200	3100	2.6	10
		4.8 × 16	9.5 – 11	**1453879**	B 500	2200	3100	2.6	10
		4.8 × 18	11 – 13	**1433435**	B 500	2200	3100	2.6	10
		4.8 × 21	13 – 16	**1433436**	B 250	2200	3100	2.6	10

CAP® BLIND RIVETS

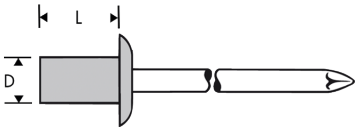
alu/stainless steel

Dome head

Aluminium alloy



Stainless steel



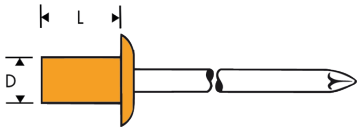
D	CE	D × L mm	mm	No.		N	N	d_m mm	max. d_k mm
3.2		**3.2 × 6.5**	0.5 – 2	**1433437**	A 500	1100	1250	1.7	6.5
		3.2 × 8	2 – 3.5	**1433438**	A 500	1100	1250	1.7	6.5
3.3 mm		**3.2 × 9.5**	3.5 – 5	**1433439**	A 500	1100	1250	1.7	6.5
		3.2 × 10.5	5 – 6.5	**1433440**	A 500	1100	1250	1.7	6.5
		3.2 × 12.5	6.5 – 8	**1453890**	A 500	1100	1250	1.7	6.5
4		**4 × 8**	0.5 – 3.5	**1433441**	B 500	1600	2200	2.2	8.5
		4 × 9.5	3.5 – 5	**1453891**	B 500	1600	2200	2.2	8.5
4.1 mm		**4 × 11**	5 – 6.5	**1453892**	B 500	1600	2200	2.2	8.5
		4 × 12.5	6.5 – 8	**1433442**	B 500	1600	2200	2.2	8.5
4.8		**4.8 × 8**	1 – 3.5	**1433443**	B 500	2200	3100	2.6	10
		4.8 × 9.5	3.5 – 5	**1433444**	B 500	2200	3100	2.6	10
4.9 mm		**4.8 × 11**	5 – 6.5	**1433445**	B 500	2200	3100	2.6	10
		4.8 × 12.5	6.5 – 8	**1433446**	B 500	2200	3100	2.6	10
		4.8 × 14	8 – 9.5	**1433447**	B 500	2200	3100	2.6	10
		4.8 × 16	9.5 – 11	**1433448**	B 500	2200	3100	2.6	10
		4.8 × 18	11 – 13	**1433449**	B 500	2200	3100	2.6	10
		4.8 × 21	13 – 16	**1433450**	B 250	2200	3100	2.6	10

copper/steel

Dome head

Copper alloy

Steel, lightly oiled



D	CE	D × L mm	mm	No.		N	N	d_m mm	max. d_k mm
3.2		**3.2 × 6**	0.5 – 1.5	**1453904**	A 500	980	1340	1.7	6.5
		3.2 × 7.5	1.5 – 3	**1453905**	A 500	980	1340	1.7	6.5
3.3 mm		**3.2 × 9**	3 – 4.5	**1453906**	A 500	980	1340	1.7	6.5
4		**4 × 9.5**	1 – 4.5	**1453908**	A 500	1350	2000	2.2	8.5
4.1 mm									

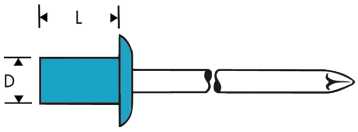
CAP® BLIND RIVETS

A2 stainless steel

Dome head

Stainless steel A2
Nr. 1.4301

Stainless steel



D	CE	D × L mm	mm	No.		N	N	d_m mm	max. d_k mm
3.2		**3.2 × 6**	0.8 – 2	**1453899**	A 500	2000	2200	1.9	6.5
		3.2 × 8	2 – 4	**1433452**	A 500	2000	2200	1.9	6.5
3.3 mm		**3.2 × 10**	4 – 6	**1453900**	A 500	2000	2200	1.9	6.5
		3.2 × 12	6 – 8	**1433453**	A 500	2000	2200	1.9	6.5
4		**4 × 6**	0.8 – 1.5	**1453901**	A 500	3000	3500	2.3	8.5
		4 × 8	1.5 – 3.5	**1433454**	A 500	3000	3500	2.3	8.5
4.1 mm		**4 × 10**	3.5 – 5.5	**1453902**	B 500	3000	3500	2.3	8.5
		4 × 12	5.5 – 7.5	**1433455**	B 500	3000	3500	2.3	8.5
		4 × 16	7.5 – 11.5	**1453903**	B 500	3000	3500	2.3	8.5
4.8		**4.8 × 8**	0.8 – 3	**1433456**	B 500	4000	4400	2.9	10
		4.8 × 10	3 – 5	**1433457**	B 500	4000	4400	2.9	10
4.9 mm		**4.8 × 12**	5 – 7	**1433458**	B 500	4000	4400	2.9	10
		4.8 × 16	7 – 11	**1433459**	B 500	4000	4400	2.9	10
		4.8 × 20	11 – 15	**1433460**	B 250	4000	4400	2.9	10

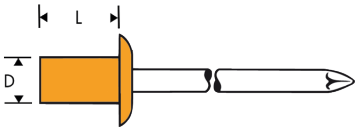
Reduced feed jaw life is to be expected.

copper/stainless steel

Dome head

Copper alloy

Stainless steel



D	CE	D × L mm	mm	No.		N	N	d_m mm	max. d_k mm
3.2		**3.2 × 6**	0.5 – 1.5	**1453913**	A 500	980	1340	1.7	6.5
		3.2 × 7.5	1.5 – 3	**1453914**	A 500	980	1340	1.7	6.5
3.3 mm		**3.2 × 9**	3 – 4.5	**1453915**	A 500	980	1340	1.7	6.5
4		**4 × 9.5**	1.5 – 4.5	**1450152**	B 500	1350	2000	2.2	8.5
		4 × 11	4.5 – 6	**1450153**	B 500	1350	2000	2.2	8.5
4.1 mm		**4 × 12.5**	6 – 7.5	**1450154**	B 500	1350	2000	2.2	8.5
		4 × 15	7.5 – 10.5	**1450155**	B 500	1350	2000	2.2	8.5

G-BULB BLIND RIVETS

G-Bulb – The high-strength blind rivets – Strong in steel and stainless steel

OVERVIEW	
Grip range	1.5 – 15.5 mm
Dimensions	Ø 4.8 – 6.4 mm
Variants	Dome head
Material	● ●
ETA approval	yes → see detail page

In combination with the patented functional embossing, the G-Bulb meets the highest requirements in terms of tolerance compensation for component thicknesses and hole geometry. It forms a particularly wide closing head that transfers the full clamping force to the application.

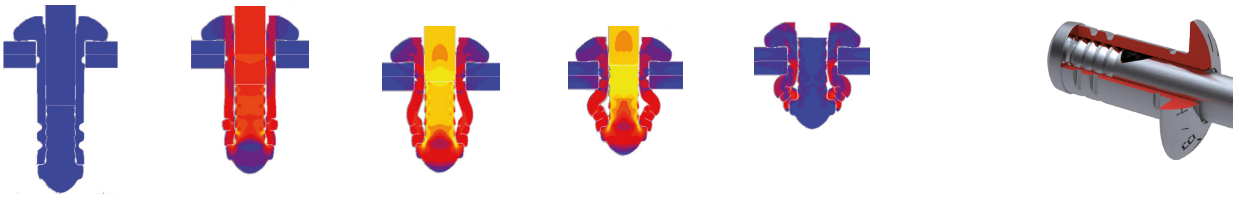
ADVANTAGES

- → Excellent hole filling capability
- → Very high clamping force
- → Maximum tensile strength due to wide closing head
- → Maximum shear strength due to locking of the breakstem
- → Can be used for process control with the TAURUS® C setting tool

AREA OF APPLICATION

- → Truck and trailer
- → Automotive
- → Enclosure construction

THE SETTING PROCESS



MATERIALS: Rivet body: Steel, zinc plated CrVI-free, or stainless steel A2 no. 1.4567, Mandrel: Steel, zinc plated CrVI-free, or stainless steel A2 no. 1.4541
Other surface treatments on request

CE → **ETA 13/0255 Authorisation documents**

Material surcharge will be added at a daily rate.

Test procedure according to DIN EN ISO 14589. The specified shear strength is achieved with the rest mandrel in the shear zone. *Recommended value, which changes depending on the hole-Ø and the material to be riveted.

Further dimensions and surface treatments on request

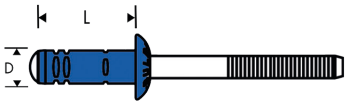
G-BULB BLIND RIVETS

steel/steel

Dome head

Steel, zinc-plated

Steel, zinc-plated



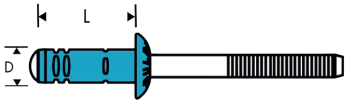
D	CE	D × L mm	mm	No.		N	N	d_m mm	max. d_k mm
6.4	CE	**6.4 × 13**	2 – 4.5	**1433928**	B 250	8500	8000	4.25	13
	CE	**6.4 × 17**	4.5 – 7	**1433929**	B 250	10000	8000	4.25	13
6.7 - 6.9 mm	CE	**6.4 × 20**	7 – 10.5	**1433930**	B 200	11000	8000	4.25	13
	CE	**6.4 × 23**	10.5 – 13	**1433931**	B 150	11000	8000	4.25	13
	CE	**6.4 × 25**	13 – 15.5	**1433932**	B 150	11000	8000	4.25	13
4.8	CE	**4.8 × 10**	1.5 – 3.5	**1433925**	B 500	3600	3500	3.2	9.5
	CE	**4.8 × 13**	3.5 – 6	**1433926**	B 500	4000	3500	3.2	9.5
5 - 5.2 mm	CE	**4.8 × 15**	6 – 8	**1433927**	B 500	5600	3500	3.2	9.5

A2 stainless steel

Dome head

Stainless steel A2
Nr. 1.4567

Stainless steel A2



D	CE	D × L mm	mm	No.		N	N	d_m mm	max. d_k mm
4.8	CE	**4.8 × 10**	1.5 – 3.5	**1456426**	B 500	4400	5400	3.2	9.5
	CE	**4.8 × 13**	3.5 – 5.5	**1456427**	B 500	4550	5400	3.2	9.5
5 - 5.2 mm	CE	**4.8 × 15**	5.5 – 7.5	**1433936**	B 500	4700	5400	3.2	9.5
6.4	CE	**6.4 × 13**	2 – 4	**1433937**	B 250	8000	8800	4.25	13
	CE	**6.4 × 15**	4 – 6	**1433938**	B 250	10000	8800	4.25	13
6.7 - 6.9 mm	CE	**6.4 × 17**	6 – 8	**1433939**	B 250	10000	8800	4.25	13
	CE	**6.4 × 20**	8 – 10.5	**1433940**	B 200	11000	8800	4.25	13
	CE	**6.4 × 23**	10.5 – 12.5	**1433941**	B 150	11000	8800	4.25	13
	CE	**6.4 × 25**	12.5 – 14.5	**1433942**	B 150	11000	8800	4.25	13

MEGA GRIP® BLIND RIVETS

GESIPA®-MEGA GRIP®- The high-strength structure blind rivets with an extra-large grip range and optimum cost-effectiveness

OVERVIEW

Grip range	1.6 – 15.9 mm
Dimensions	Ø 4.8 – 6.4 mm
Variants	Dome head, Countersunk
Material	● ●

MEGA GRIP® is a high-strength structure blind rivet with a variable grip range. It can reduce handling costs by replacing up to five blind rivet lengths. During the setting process, the hollow mandrel head presses the blind rivet head with great force against the rivet hole wall and finally tears off flush in the setting head.

ADVANTAGES

- → Optimal splash-proof
- → Extremely large grip range
- → High shear strength due to double mandrel locking
- → Very good hole filling capability– covers drilling inaccuracies
- → Flush tear-off effect at the setting head without sharp edges – prevents risk of injury

AREA OF APPLICATION

- → Truck and trailer
- → Automotive
- → Enclosure construction
- → HVAC

Test procedure according to DIN EN ISO 14589

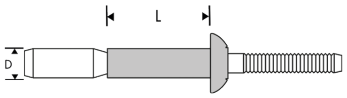
Please note that to achieve the best possible values from the GESIPA®-MEGA GRIP®, use of special tools/nosepieces is required. MEGA GRIP® blind rivets are available in small packs, too! Marked with the abbreviation KV.

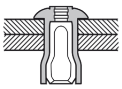
MEGA GRIP® BLIND RIVETS

alu/alu

Dome head

Aluminium alloy — Aluminium alloy



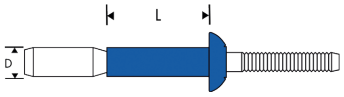


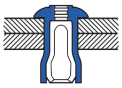
D	CE	D × L mm	mm	TYP	No.		N	N	d_m mm	max. d_k mm
4.8		**4.8 × 10**	1.6 – 6.4	RV6900-6-4	**1433808**	B 500	3280	2350	2.95	9.5
		4.8 × 10	1.6 – 6.4	RV6900-6-4	**1433805**	K18 3000	3280	2350	2.95	9.5
4.9 - 5.2 mm		**4.8 × 14**	1.6 – 11.1	RV6900-6-7	**1433809**	B 250	3280	2350	2.95	9.5
		4.8 × 14	1.6 – 11.1	RV6900-6-7	**1455654**	K18 3000	3280	2350	2.95	9.5
6.4		**6.4 × 14.1**	2 – 9.5	RV6900-8-6	**1433806**	K18 2000	5730	3840	3.9	12.7
		6.4 × 14.1	2 – 9.5	RV6900-8-6	**1433810**	B 200	5730	3840	3.9	12.7
6.6 - 6.9 mm		**6.4 × 19.1**	2 – 15.9	RV6900-8-10XG	**1433811**	B 100	5730	3840	3.9	12.7
		6.4 × 19.1	2 – 15.9	RV6900-8-10XG	**1433807**	K18 1500	5730	3840	3.9	12.7

steel/steel

Dome head

Steel, zinc-plated — Steel, zinc-plated



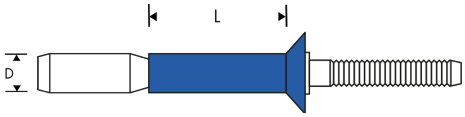


D	CE	D × L mm	mm	TYP	No.		N	N	d_m mm	max. d_k mm
4.8		**4.8 × 10**	1.6 – 6.4	RV6977-6-4	**1433816**	B 500	6850	4500	2.95	9.5
		4.8 × 10	1.6 – 6.4	RV6977-6-4	**1433812**	K18 3000	6850	4500	2.95	9.5
4.9 - 5.2 mm		**4.8 × 14**	1.6 – 11.1	RV6977-6-7	**1433817**	B 250	6850	4500	2.95	9.5
		4.8 × 14	1.6 – 11.1	RV6977-6-7	**1455657**	K18 3000	6850	4500	2.95	9.5
6.4		**6.4 × 14.1**	2 – 9.5	RV6977-8-6	**1433813**	K18 1500	12455	8200	3.9	12.7
		6.4 × 14.1	2 – 9.5	RV6977-8-6	**1455663**	B 200	12455	8200	3.9	12.7
6.6 - 6.9 mm		**6.4 × 19.1**	2 – 15.9	RV6977-8-10XG	**1433814**	K18 1500	12455	8200	3.9	12.7
		6.4 × 19.1	2 – 15.9	RV6977-8-10XG	**1433818**	B 100	12455	8200	3.9	12.7

steel/steel

Countersunk

Steel, zinc-plated — Steel, zinc-plated



D	CE	D × L mm	mm	TYP	No.		N	N	d_m mm	max. d_k mm
4.8		**4.8 × 10**	2.6 – 6.4	RV6177-6-5	**1455658**	K18 2500	6850	4500	2.95	9.5
4.9 - 5.2 mm		**4.8 × 10**	2.6 – 6.4	RV6177-6-5	**1455660**	B 250	6850	4500	2.95	9.5
6.4 4.9 - 5.2 mm		**6.4 × 15.8**	3 – 11.1	RV6177-8-7	**1455662**	B 200	6850	4500	2.95	9.5

ROOF RIVET

The blind rivets for the roofing and metal trades. Solderable and available from stock in four different versions.

NEW

OVERVIEW

Grip range	1 – 7.5 mm
Dimensions	Ø 3.2 mm
Variants	Dome head
Material	● ● ●

The ideal rivet for roofers. It is solderable and available in a variety of materials, including tin-plated steel.

ADVANTAGES

- → Solderable
- → All relevant versions for plumbers/installers available in 3.2 mm
- → Stocked by regional specialist retailers
- → Stainless steel rivet weldable using the TIG welding process
- → Can be processed with any GESIPA® riveting tool
- → Small packaging unit

AREA OF APPLICATION

- → Metal work on the roof or in outdoor areas
- → Applications that are soldered, e.g. guttering, downpipes, etc.
- → Outdoor sheet metal extensions

CE → **ETA 13/0255 Authorisation documents**

*The information on clamping range and mechanical properties are typical values and may vary depending on the processed material, bore diameter and clamping length.

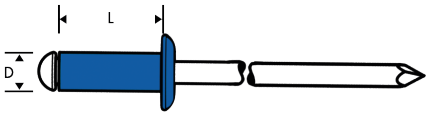
ROOF RIVET

Steel/Steel

Dome head

Steel, tin-plated

Steel, zinc-plated



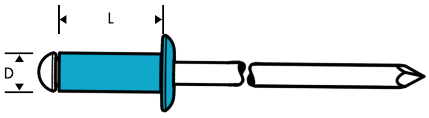
D	CE	D × L mm	mm*	No.		N*	N*	d_m mm	max. d_k mm	
3.2 3.3 mm		**3.2 × 6**	1 – 2.5	**1538385**	A 500	1100	1250	2	6.35	NEW
		3.2 × 8	2 – 5	**1538386**	A 500	1100	1250	2	6.35	NEW
		3.2 × 10	3.5 – 6	**1538387**	A 500	1100	1250	2	6.35	NEW
		3.2 × 12	4.5 – 7.5	**1538388**	A 500	1100	1250	2	6.35	NEW

Stainless steel A2

Dome head

Stainless steel A2

Stainless steel A2



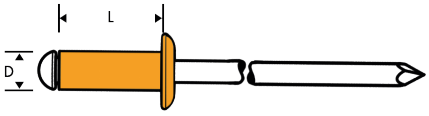
D	CE	D × L mm	mm*	No.		N*	N*	d_m mm	max. d_k mm	
3.2 3.3 mm		**3.2 × 6**	1 – 2.5	**1538485**	A 500	1050	1600	2	6.35	NEW
		3.2 × 8	2 – 5	**1538486**	A 500	1050	1600	2	6.35	NEW
		3.2 × 10	3.5 – 6	**1538487**	A 500	1050	1600	2	6.35	NEW
		3.2 × 12	4.5 – 7.5	**1538488**	A 500	1050	1600	2	6.35	NEW

Copper/Steel

Dome head

Copper

Steel



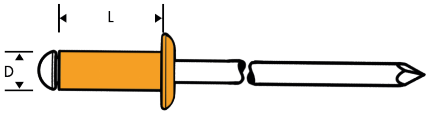
D	CE	D × L mm	mm*	No.		N*	N*	d_m mm	max. d_k mm	
3.2 3.3 mm		**3.2 × 6**	1 – 2.5	**1538400**	A 500	800	1000	2	6.35	NEW
		3.2 × 8	2 – 5	**1538401**	A 500	800	1000	2	6.35	NEW

Copper/Bronze

Dome head

Copper

Bronze



D	CE	D × L mm	mm*	No.		N*	N*	d_m mm	max. d_k mm	
3.2 3.3 mm		**3.2 × 6**	1 – 2.5	**1538404**	A 500	800	1000	2	6.35	NEW
		3.2 × 8	2 – 5	**1538405**	A 500	800	1000	2	6.35	NEW
		3.2 × 10	3.5 – 6	**1538406**	A 500	800	1000	2	6.35	NEW
		3.2 × 12	4.5 – 7.5	**1538407**	A 500	800	1000	2	6.35	NEW

BULB-TITE® BLIND RIVETS

Powerful application with excellent clamping force and weather resistance for demanding applications

OVERVIEW

Grip range	0.5 – 12.7 mm
Dimensions	Ø 5.2 – 7.7 mm
Variants	Dome head, Large flange
Material	●
ETA approval	yes → see detail page

The shear zone covering of the mandrel allows very high shear strengths to be transferred. The use of a special nosepiece during processing forms a sealing collar and prevents dirt and moisture from penetrating into the application. Three large press tabs of the closing head distribute the clamping forces over a large area of the surface. Even soft, thin, flexible or unusually shaped application parts can be securely riveted.

ADVANTAGES

- → Large grip range
- → With ETA approval 13/0255
- → For brittle, soft, thin, flexible materials
- → Watertight with Neoprene® sealing washer (optional)
- → Distribution of the clamping force over a large area
- → High shear strength

AREA OF APPLICATION

- → Facades
- → Trapezoidal sheet metal roofs
- → Residential containers

CE → **ETA 13/0255 Authorisation documents**

Test procedure according to DIN EN ISO 14589

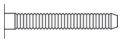
Please note that the use of special tools/nosepieces is required for all BULB-TITE® blind rivets. **BULB-TITE® blind rivets are only available in small packaging!** Marked with the abbreviation KV

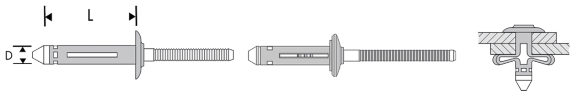
BULB-TITE® BLIND RIVETS

alu/alu

Dome head

Aluminium alloy


Aluminium alloy



D	CE	D × L mm	mm	TYP	No.		N	N	d_m mm	max. d_k mm
5.2	CE	**5.2 × 17.5**	0.5 – 4.8	RV 6604-6-3 W	**1455620***	B 250	2700	1950	2.9	11.7
		5.2 × 19.1	1.6 – 6.4	RV 6604-6-4	**1455606**	B 250	2700	1950	2.9	11.7
5.3 - 5.5 mm	CE	**5.2 × 19.1**	1.6 – 6.4	RV 6604-6-4 W	**1455621**	B 250	2700	1950	2.9	11.7
	CE	**5.2 × 22.2**	4.7 – 9.5	RV 6604-6-6 W	**1455622***	B 250	2700	1950	2.9	11.7
	CE	**5.2 × 25.4**	7.9 – 12.7	RV 6604-6-8 W	**1455623***	B 250	2700	1950	2.9	11.7
7.7 7.8 - 8.2 mm	CE	**7.7 × 27.7**	1 – 9.5	RV 6603-9-6 W	**1455632**	B 250	6650	4850	4.5	15.9

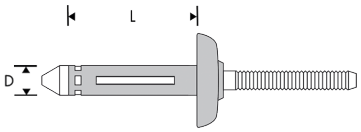
*with EPDM washer

alu/alu

Large flange

Aluminium alloy

Aluminium alloy



D	CE	D × L mm	mm	TYP	No.		N	N	d_m mm	max. d_k mm
7.7 K 19 7.8 - 8.2 mm	CE	**7.7 × 27.7**	1.1 – 9.5	RV 6605-9-6 W	**1455633***	B 100	6650	4850	4.5	19

*with EPDM washer

TRI-FOLD® FOLDING TYPE BLIND RIVETS

TRI-FOLD® folding type blind rivets – The rivet for very soft and porous application parts.

OVERVIEW

Grip range	1 – 11 mm
Dimensions	Ø 4.8 mm
Variants	Dome head
Material	●

When setting the TRI-FOLD® blind rivets, three large shaped press lugs form on the closing head side, which gently distribute the clamping force over soft, porous or brittle materials. This can compensate for oversized or uneven drill holes.

ADVANTAGES

- → 3 large moulded press tabs – even distribution of the clamping force
- → Protection against pulling through of the rivet in soft, porous or brittle application parts

AREA OF APPLICATION

- → Automotive industry, e.g. for plastic linings
- → Body parts and for vehicle interior equipment
- → All applications that are particularly soft, brittle, easily deformed or porous

Test procedure according to DIN EN ISO 14589

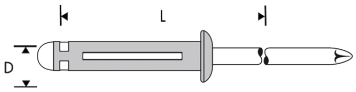
TRI-FOLD® FOLDING TYPE BLIND RIVETS

alu/alu

Dome head

Aluminium alloy

Aluminium alloy



D	CE	D × L mm	mm	TYP	No.		N	N	d_m mm	max. d_k mm
4.8		**4.8 × 16**	1 – 3	GAMD64ATF	**1433821**	B 250	900	1300	2.9	10.1
		4.8 × 20	3 – 8	GAMD66ATF	**1455668**	B 250	900	1300	2.9	10.1
5.1 - 5.4 mm		**4.8 × 25**	5 – 11	GAMD68ATF	**1455669**	B 250	900	1300	2.9	10.1

SPECIAL BLIND RIVETS

Blind rivets for special requirements in blind rivet technology

OVERVIEW

Grip range	19 mm
Dimensions	Ø 3 – 6 mm
Variants	Profile clinching: C, Profile clinching: BR, Dome head, Profile clinching: HB, Profile clinching: HA, Profile clinching: A, Profile clinching: W
Material	● ● ●

Grooved blind rivets are suitable for riveting in blind holes in soft materials. They are used in the furniture industry, in interior design, in the wood and plastic processing industry, in car body construction and much more. Important: Before processing the grooved blind rivets, the drill hole diameter must be determined by testing and the minimum drill hole depth must be observed.

ADVANTAGES

- → Riveting in blind holes
- → For soft and fragile materials
- → Strong connection – The grooves ensure excellent mechanical interlocking with the material.

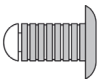
AREA OF APPLICATION

- → Furniture industry
- → Interior finishing
- → Wood and plastic processing industry
- → Car body construction

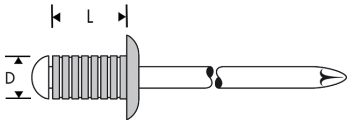
CE → **ETA 13/0255**
Authorisation documents

SPECIAL BLIND RIVETS

Grooved alu/steel

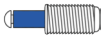

Aluminium alloy

Steel, zinc-plated

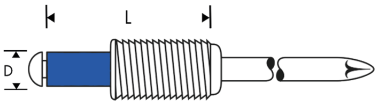


D	CE	D × L mm	max. thickness of material to be fixed mm	mm	No.		N	N	d_m mm
3.2		**3.2 × 10**	**6**	–	**1454100**	A 500	720	950	1.95
3.3 mm		**3.2 × 16**	**12**	–	**1454101**	A 500	720	950	1.95
4		**4 × 12**	**8**	–	**1454104**	B 500	1400	2000	2.1
		4 × 16	**12**	–	**1454105**	B 500	1400	2000	2.1
4.1 mm		**4 × 8**	**4**	–	**1454103**	A 500	1400	2000	2.1
4.8		**4.8 × 10**	**6**	–	**1454108**	B 500	1800	2700	2.7
		4.8 × 14	**10**	–	**1454110**	B 250	1800	2700	2.7
4.9 mm		**4.8 × 18**	**13**	–	**1454102**	B 250	1800	2700	2.7

Threaded steel/steel


Steel, zinc-plated

Steel, zinc-plated



D	Thread G x L mm	CE	D × L mm	mm	No.		N	d_m mm
3	**M5 x 10**		**3 × 6**	0.5 – 3	**1455326**	A 250	1100	1.95
3.1 mm	**M5 x 15**		**3 × 9**	3 – 6	**1455327**	A 250	1100	1.95
4	**M6 x 10**		**4 × 5**	1 – 2	**1455328**	A 250	2000	2.5
4.1 mm	**M6 x 15**		**4 × 8**	2 – 5	**1455329**	A 250	2000	2.5

Test procedure according to
DIN EN ISO 14589

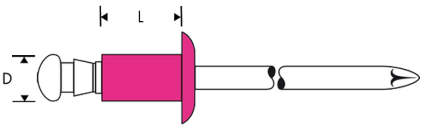
SPECIAL BLIND RIVETS

Plastic Standard

Dome head

Polyamid, PA 6.6

Polyamid, PA 6.6

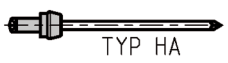


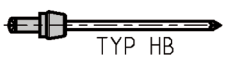
D	CE	D × L mm	mm	No.		N	d_m mm
4		**4 × 12**	5 – 9	**1455338**	B 500	180	2.5
4.1 mm		**4 × 8**	0.5 – 5	**1455337**	B 500	180	2.5
5		**5 × 12**	5 – 9	**1455340**	B 500	300	3
5.1 mm		**5 × 8**	0.5 – 5	**1455339**	B 500	300	3
6		**6 × 12**	5 – 9	**1455342**	B 250	440	3.5
6.1 mm		**6 × 8**	0.5 – 5	**1455341**	B 250	440	3.5

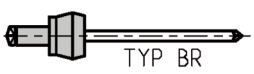
Profile clinching rivets alu/steel

Rivet body: Aluminium alloy Mandrel: Steel, zinc-plated

Profile Type 3.1 mm	D × L mm	mm	No.		N	d_m mm
HA	**3 × 5**	1 – 2.5	**1453916**	A 500	450	1.8
HB	**3 × 5**	1 – 2.5	**1453918**	A 500	450	1.8
	3 × 7	2.5 – 4.5	**1453919**	A 500	450	1.8
W	**3 × 5**	1 – 2.5	**1453920**	A 500	450	1.8
A	**4 × 7**	1 – 4	**1453921**	B 500	850	2.1
BR	**4 × 7**	1 – 4	**1453922**	B 500	850	2.1
C	**4 × 7**	1 – 4	**1453923**	B 500	850	2.1





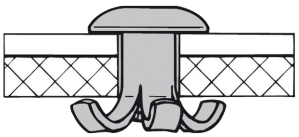


SPECIAL BLIND RIVETS

Peel alu/steel

Dome head

Rivet body: Aluminium alloy Mandrel: Steel, zinc-plated



D	CE	D × L mm	mm	No.		N	d_m mm	max. d_k mm
3.2		**3.2 × 10**	2.5 – 5	**1455496**	A 500	700	1.95	6.5
		3.2 × 12	4.5 – 7	**1433748**	A 500	700	1.95	6.5
3.3 mm		**3.2 × 16**	6.5 – 11	**1455497**	A 500	700	1.95	6.5
4		**4 × 10**	2.5 – 5	**1455494**	B 500	1200	2.1	8
		4 × 12	4.5 – 6.5	**1455491**	B 500	1200	2.1	8
4.1 mm		**4 × 14**	6 – 8	**1455492**	B 500	1200	2.1	8
		4 × 16	7.5 – 10	**1433740**	B 500	1200	2.1	8
		4 × 18	9 – 12	**1433741**	B 500	1200	2.1	8
		4 × 20	11.5 – 14	**1455493**	B 500	1200	2.1	8
		4 × 8	1 – 3	**1455490**	A 500	1200	2.1	8
4.8		**4.8 × 10**	2.5 – 5	**1433747**	B 500	1700	2.7	9.5
		4.8 × 12	4.5 – 7	**1433742**	B 500	1700	2.7	9.5
4.9 mm		**4.8 × 14**	6.5 – 9	**1433743**	B 250	1700	2.7	9.5
		4.8 × 16	8.5 – 10	**1433744**	B 250	1700	2.7	9.5
		4.8 × 18	9.5 – 12	**1433746**	B 250	1700	2.7	9.5
		4.8 × 20	11.5 – 14	**1433745**	B 250	1700	2.7	9.5
		4.8 × 25	13.5 – 19	**1433749**	B 250	1700	2.7	9.5

CORDLESS BLIND RIVET TOOLS

BLIND RIVET HAND TOOLS

76

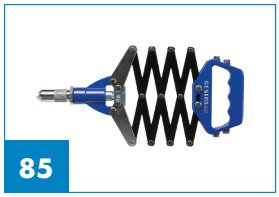
NTS

NTX

Flipper®

Flipper® Plus

HN 2



SN 2

BATTERY POWERED BLIND RIVET TOOLS

88

Birdie®

Birdie® with extended setting sleeve

AccuBird® Pro

PowerBird® Pro Gold Edition

iBird® Pro / iBird® Pro Gold Edition

iBird® Pro CL / iBird® Pro CL Gold Edition

PowerBird® Pro with spring-loaded trigger system

AccuBird®

WHAT RIVETS WHAT?

Energy	Ø mm 2.4	3.0	3.2	4.0	4.8	5.0	6.0	6.4	8.0
NTS, NTX, NTX-F, Flipper®, Flipper® Plus	H					A	A		
HN2, SN2	H								
AccuBird®	B						A		
Birdie®	B						A		
AccuBird® Pro, AccuBird® Pro AV, iBird® Pro, iBird® Pro CL	B							AS	
PowerBird® Pro GE, PowerBird® Pro GE with spring-loaded trigger system, iBird® Pro GE, iBird® Pro CL GE	B	X	X	X	X				A

	PolyGrip® 3.2	4.0	4.8	6.4	G-Bulb 4.8	6.4	MEGA GRIP® *	BULB-TITE® *	TRI-FOLD® 4.8	PolyBulb® 4,8
NTS, NTX, NTX-F, Flipper®, Flipper® Plus	H		A						A	
HN2	H			E with X		E with X	X	X		
HN2-BT	H									
SN2	H									
AccuBird®,	B							X¹		
AccuBird® Pro, AccuBird® Pro with spring-loaded trigger system, iBird® Pro, iBird® Pro CL	B			AS			6.4	X at 7.7		
PowerBird® Pro GE, PowerBird® Pro GE with spring-loaded trigger system, iBird® Pro GE, iBird® Pro CL GE	B						6.4	X at 7.7		
Birdie®	B							X at 7.7		

H: Handtool
B: Battery-powered tool
X: Special accessories required
X1: At 6.3 AS
Y: Accessories included in the scope of delivery effectively expand the working range.

A: Alu/Copper
S: Steel
E: Stainless Steel / Monel
Blue box: All materials (ASE) can be riveted. Where there are exceptions, the letters of the rivetable materials are provided directly in the box.

*: A special nosepiece is **always** required when setting MEGA GRIP® blind rivets and BULB-TITE® blind rivets

BLIND RIVET HAND TOOLS

GESIPA® manual blind rivet setting tools – Easy to operate, tried and proved, always good but now even better!

WELL PROVEN TECHNOLOGY AND QUALITY IN A MODERN DESIGN

NTX & NTX-F

Locking clip
Optimised locking clip (NTX-F)

Housing
Improved performance thanks to newly designed housing

Surface
Powder-coated abrasion-resistant housing surface in GESIPA® colour

Ergonomics
Ergonomically formed handles for working efficiently without fatigue

HANDLES

- → Ergonomically formed handles for working efficiently without fatigue
- → Improved haptics by use of softer material
- → Non-slip even in oily environments
- → Environmentally compatible thanks to PVC-free handles
- → Visually upgraded by GESIPA® logo and contrast stripes
- → Optimised locking clip

HOUSING

- → Improved performance thanks to newly designed housing
- → Powder-coated abrasion-resistant housing surface in GESIPA® colour

ADVANTAGES

- → Simple one-hand operation
- → Effortless lever system
- → Specially hardened GESIPA® jaw system
- → Rugged design and durable
- → Equipped with the most commonly used GESIPA® nosepieces secured directly on the tool
- → Nosepieces quick and easy to change
- → Worldwide service and spare parts available for decades to come
- → Made in Germany

NTS (with self opening spring)

Simple and proven hand rivet tool with a narrow head for hard-to-reach places and an opening spring for easy mandrel ejection.

No. 1434028

TECHNICAL DATA

Weight	0.48 kg
Total length	275 mm
Stroke	8.0 mm

WORKING RANGE

Ø mm

	2.4	3.0	3.2	4.0	4.8	5.0	6.0	6.4	8.0
AL									
Steel									
A2									
A4									

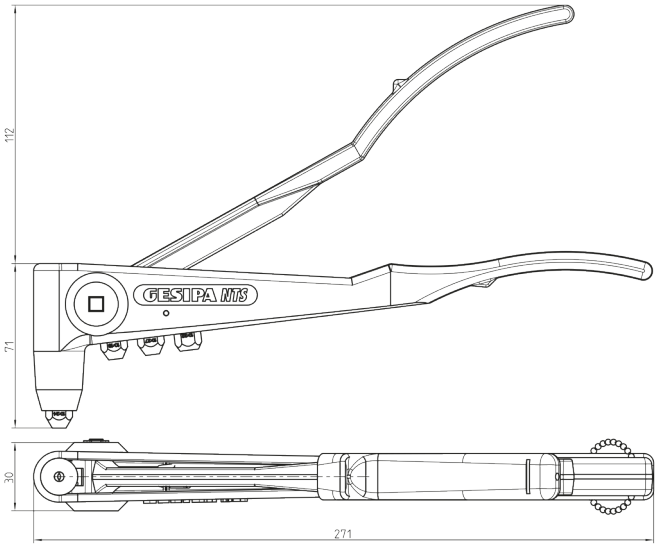
(max. mandrel Ø 3.0 mm)

SCOPE OF DELIVERY

Noespieces: 10/18, 10/24, 10/27 and 10/32, 1 maintenance wrench, maintenance instructions, delivery in a box

ADVANTAGES

- → Tool housing made of high-quality die cast aluminium
- → Tool shanks made of forged steel
- → Narrow tool head for hard-to-reach riveting points
- → Opening spring for automatic mandrel ejection
- → Ergonomic sleeve grips



Dimensions in mm

JAWS (2-PARTS)

For NTS, NTX, NTX-F and Flipper®

No. 1434071

86

NTX / NTX-F (with self opening spring)

Sturdy, proven hand rivet tool with damping the tear-off effect and ergonomic grips.

NTX

No. 1434040

NTX-F

No. 1434042

TECHNICAL DATA

Weight	0.575 kg
Total length	260 mm
Stroke	8.0 mm

WORKING RANGE

Ø mm

	2.4	3.0	3.2	4.0	4.8	5.0	6.0	6.4	8.0
AL									
Steel									
A2									
A4									

(max. mandrel Ø 3.0 mm)

SCOPE OF DELIVERY NTX

Nosepieces: 10/18, 10/24 and 10/32

SCOPE OF DELIVERY NTX-F

Noespieces: 10/24, 10/27 and 10/32

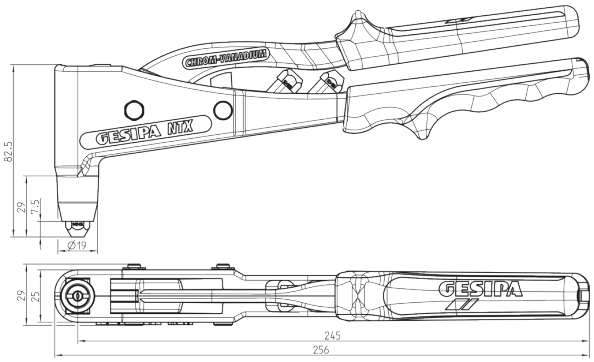
JAWS (2-PARTS)

For NTS, NTX, NTX-F and Flipper®

No. 1434071

ADVANTAGES

- → Tool housing made of high-quality die cast aluminium
- → Tool shanks made of chrome-vanadium steel, forged
- → Steel inserts at all highly stressed bearing points
- → Intermediate lever system reduces the force required and has a damping effect when the tool is released
- → Narrow tool head for hard-to-reach riveting points
- → Ergonomic grips
- → Easy maintenance – quick change of jaws
- → For NTX-F only: opening spring for automatic mandrel ejection



Dimensions in mm

86

FLIPPER®

Riveting tool with special design and opening spring for easy operation with one hand. Saves up to 40% effort, also sets extra-long blind rivets.

No. 1433950

TECHNICAL DATA

Weight	0.75 kg
Total length	221 mm
Total stroke	16.2 mm
Single action stroke	1.8 mm

WORKING RANGE

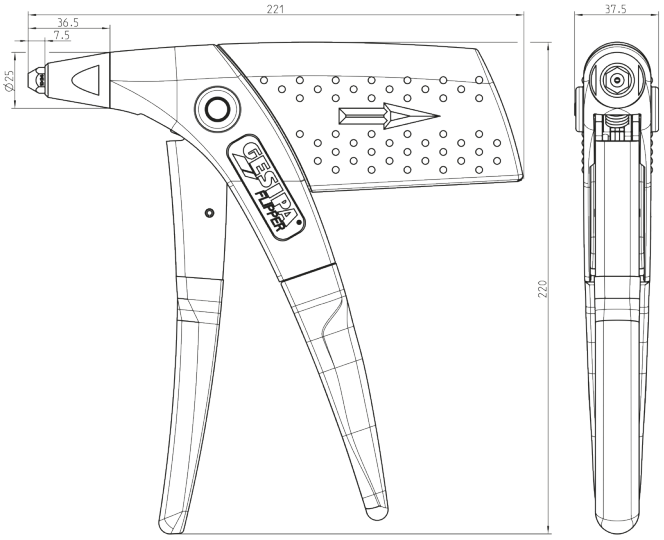
Ø mm

	2.4	3.0	3.2	4.0	4.8	5.0	6.0	6.4	8.0
AL									
Steel									
A2									
A4									

(max. mandrel Ø 2.8 mm)

SCOPE OF DELIVERY

Nosepieces: 10/18, 10/24 and 10/29



Dimensions in mm

ADVANTAGES

- → Optimal one-handed operation
- → 40% savings in manual force
- → Ergonomic design
- → Automatic mandrel ejection
- → Robust and stable
- → Large stroke
- → Safe setting process

JAWS (2-PARTS)

No. 1434071

CONVERSION KIT FOR PLASTIC BLIND RIVETS

No. 1433984

86

RIVETING KIT

CONTENTS
Blind rivet hand tool **NTX**
and **12 blind rivet sizes**,
1 maintenance wrench.
Weight: approx. 3.75 kg
Dimensions: 340 x 205 x 40 mm

No. 1435457

Incl.12 blind rivet sizes

Alu/steel	3.0 x 8.0 mm
Alu/steel	3.0 x10.0 mm
Alu/steel	3.0 x12.0 mm
Alu/steel	4.0 x 5.0 mm
Alu/steel	4.0 x 6.0 mm
Alu/steel	4.0 x 8.0 mm
Alu/steel	4.0 x10.0 mm
Alu/steel	4.0 x12.0 mm
Copper/steel	3.0 x 6.0 mm
Copper/steel	4.0 x 6.0 mm
Alu/steel	3.0 x 5.0 mm
Alu/steel	3.0 x 7.0 mm

JUNIOR RIVETING KIT

CONTENTS
Blind rivet hand tool **NTX**
and **5 blind rivet sizes**,
1 maintenance wrench.
Weight: approx. 2.5 kg
Dimensions: 275 x 145 x 40 mm

Now also available as **Junior riveting kit PolyGrip®** (Part no. 145 7662) with the sizes 3.2 x 8, 4 x10, 4 x17, 4.8 x10 and 4.8 x 17.

JUNIOR RIVETING KIT
No. 1435459

JUNIOR RIVETING KIT POLYGRIP®
No. 1457662

Incl. 5 blind rivet sizes:

Alu/steel	3.0 x 6.0 mm
Alu/steel	3.0 x 8.0 mm
Alu/steel	4.0 x 6.0 mm
Alu/steel	4.0 x10.0 mm
Steel/steel	3.0 x 6.0 mm

FLIPPER®-BOX

CONTENTS
Blind rivet hand tool
Flipper® and **3 PolyGrip®**
blind rivet sizes, in a lightweight
plastic carrying case.
Weight: approx. 0.9 kg
Dimensions: 220 x 200 x 40 mm

No. 1433951

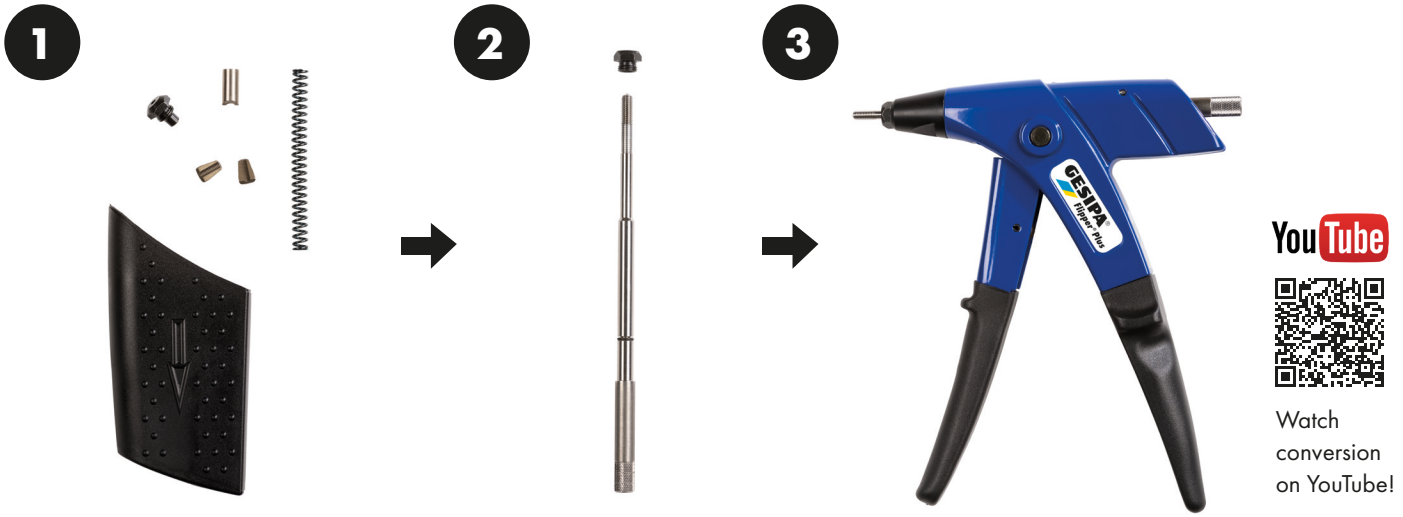
Incl. 3 blind rivet sizes:
PolyGrip® Alu/steel 3.2 x 8.0 mm
PolyGrip® Alu/steel 4.0 x 10.0 mm
PolyGrip® Alu/steel 4.8 x 10.0 mm

Mini pack refills can be found on **page 274**.

FLIPPER® PLUS Combi setting tool

The combi setting tool for blind rivets and blind rivet nuts!

Converted in under 1 minute in just a few simple steps



Watch conversion on YouTube!

1. REMOVAL
Remove the parts shown in the image

2. INSTALLATION
Install the threaded mandrel and nosepiece

3. CONVERTED
Converted to a blind rivet nut setting tool

FLIPPER® PLUS

The combined riveting tool for setting blind rivets and blind rivet nuts. Almost tool-free change from blind rivet to blind rivet nut tool

No. 1571258

TECHNICAL DATA

Weight	0.75 kg
Total length	217 mm
Stroke	16.2mm
Single action stroke	1.8 mm

WORKING RANGE

Ø mm

	2.4	3.0	3.2	4.0	4.8	5.0	6.0	6.4	8.0
AL									
Steel									
A2									
A4									

WORKING RANGE

Ø mm

	M3	M4	M5	M6	M8	M10	M12
AL							
Steel							

ADVANTAGES

- → New ratchet function
- → When gripping the hand, the force increases. This is achieved by a special lever arrangement for setting blind rivets and blind rivet nuts
- → The required grip force is reduced by about 40 percent when operated several times
- → Actuating lever with opening spring for optimal one-handed operation

Advantages when setting blind rivets:

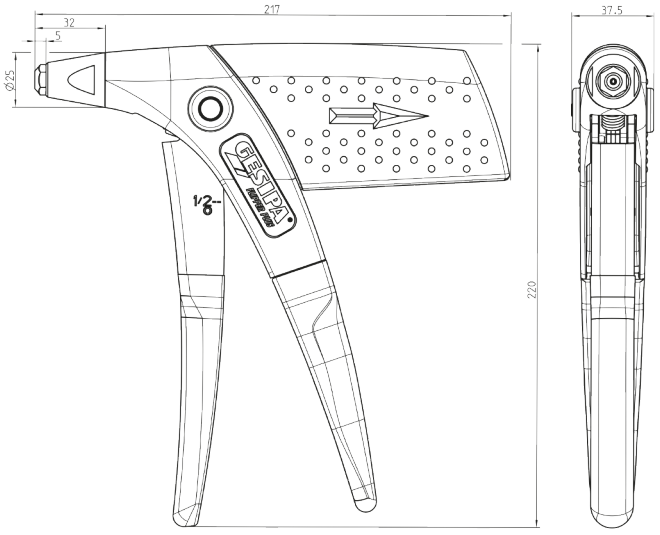
- → Handle mechanism with spring reset for safe and automatic mandrel ejection
- → Spent mandrel container can be attached to the tool housing and is easy to empty
- → Large tool stroke: advantageous for extra-long blind rivets

Advantages when setting blind rivet nuts:

- → Large stroke of 16.2 mm for easy setting of blind rivet nuts, even in thin materials, and for setting PolyGrip® blind rivet nuts
- → Simplified setting for setting blind rivet nuts

SCOPE OF DELIVERY

Nosepieces for blind rivets: 12/20, 12/24, 12/29. Nosepieces and threaded mandrels for blind rivet nuts: M4, M5 and M6, 1 maintenance wrench, 1 allen key, 1 jaws insertion tool, maintenance instructions with spare parts list.



Dimensions in mm

86

HN 2 / HN2-BT

High-quality, very stable blind rivet hand tool with an optimised lever arm arrangement, reduces the effort required and dampens the tear-off effect.

HN 2
No. 1434107

HN 2-BT
No. 1456714

TECHNICAL DATA

Weight	1.85 kg
Total length	570 mm
Stroke	10.0 mm

JAWS (3-PARTS)

HN 2 **No. 1434103**
HN 2-BT **No. 1434173**

WORKING RANGE

Ø mm

	2.4	3.0	3.2	4.0	4.8	5.0	6.0	6.4	8.0
AL									
Steel									
A2									
A4									

No PolyGrip® blind rivets Ø 6.4 mm stainless steel, no G-Bulb blind rivets, (max. mandrel Ø 4.3 mm)

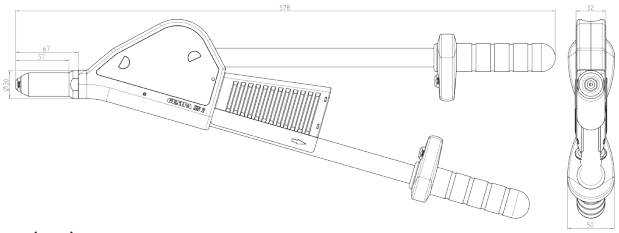
WORKING RANGE HN2-BT

Ø mm Only for BULB-TITE® blind rivets

Sets BULB-TITE® blind rivets up to Ø 7.7 mm, max. mandrel-Ø 4,.5 mm

SCOPE OF DELIVERY

Nosepieces: 16/29, 16/32, 16/36, 16/40 and 16/45, mandrel collection container, maintenance instructions, delivery in box



Dimensions in mm

ADVANTAGES

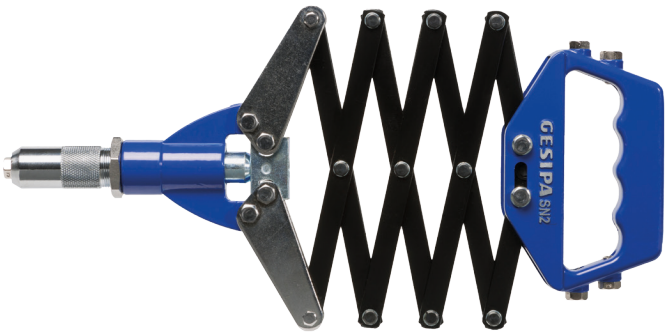
- → Tool housing made of high-quality die cast aluminium, stable and protected against dirt due to its design
- → Link pins mounted in a non-rotatable manner and with internal axial protection, wear-free and smooth-running
- → Gear segment transmission with a favourable lever arm arrangement reduces the force required and has a damping effect on the tear-off effect
- → Fixed housing lever and ergonomic handle design: easy and comfortable handling
- → Actuating lever: multiple follow-up operations are easily possible, even on the workpiece; this makes it particularly advantageous for extra-long blind rivets
- → Gear rack: mounted on a brass plate; smooth-running
- → Mandrel spent mandrel container: pivoted on the housing, safe and easy to empty

86

SN 2

High-quality lazy tong rivet tool for larger blind rivets in a handy transport case.

No. 1456674



TECHNICAL DATA

Weight	1.93 kg
Total length	310 mm
Stroke	10.5 mm

WORKING RANGE

Ø mm

	2.4	3.0	3.2	4.0	4.8	5.0	6.0	6.4	8.0
AL									
Steel									
A2									
A4									

SCOPE OF DELIVERY

Nosepieces for Ø 3.2 mm, 4.0 mm, 4.8 mm, 6.0 mm and 6.4 mm, maintenance instructions, supplied in a plastic case

ADVANTAGES

- → Tool housing and grip made of high-quality die cast aluminium
- → Scissors system made of high-strength steel, galvanised
- → Ergonomic grip design – double bearing
- → Narrow housing for hard-to-reach riveting points
- → Closed tool housing prevents soiling
- → Favourable lever arm arrangement with 4-link sliding block bearing – reduced effort

JAWS (3-PARTS)

No. 1434958

86

NOSEPIECE ASSIGNMENT

FOR MANUAL, LAZY TONGUE AND LEVER RIVET DEVICES

D	Material	NTS, NTX, NTX-F, Flipper®	No.	Flipper® Plus	No.
2.4	AL	10/18	**1434055**	12/20	**1572920**
3.2	CAP®-AL, CAP®-Cu	10/18	**1434055**	12/20	**1572920**
3 and 3.2	AL, Cu, Steel, Stainless Steel, Stinox, AL, PG-AL, PG-Steel	10/24	**1434061**	12/24	**1572924**
4	AL, Cu	10/24	**1434061**	12/24	**1572924**
4	CAP®-AL, CAP®-Cu, AL, PG-AL	10/27	**1434062**	12/24	**1572924**
4	Steel, Stainless Steel, Stinox, PG-Steel	10/29	**1434064**	12/29	**1572925**
4.8	CAP®-AL, CAP®-Cu	10/29	**1434064**	12/29	**1572925**
4.8 and 5	AL, PG-AL	10/32	**1434065**	12/32	**1618800**
4.8 and 5	Steel, AL	–	–	12/32	**1618800**

D	Material	SN2	No.	HN2	No.	HN2-BT	No.
3 and 3.2	AL, Cu, Steel, Stainless Steel, Stinox, AL, PG-AL, PG-Steel	17/24	**1434955**	16/24	**1434288**	–	–
4	AL, Cu	17/24	**1434955**	16/24	**1434288**	–	–
4	CAP®-AL, CAP®-Cu, AL, PG-AL	17/27	**1434973**	16/27	**1434289**	–	–
4	Steel, Stainless Steel, Stinox, PG-Steel	17/29	**1434974**	16/29	**1434290**	–	–
4.8	CAP®-AL, CAP®-Cu	17/29	**1434974**	16/29	**1434290**	–	–
5 and 4.8	AL, PG-AL	17/29	**1434974**	16/29	**1434290**	–	–
5 and 4.8	Steel, AL	17/32	**1434975**	16/32	**1434291**	–	–
5 and 4.8	Stainless Steel, Stinox, PG-Steel	17/36	**1434977**	16/36	**1434292**	–	–
6	AL	17/36	**1434977**	16/36	**1434292**	–	–
6	Steel	17/40	**1434999**	16/40	**1434293**	–	–
6.4	AL, PG-AL	17/40	**1434999**	16/40	**1434293**	–	–
6.4	Steel, AL	17/45	**1434860**	16/45	**1434300**	–	–
4	all **BULB-TITE®**	–	–	–	–	16/26 BT	**1434301**
5.2	all **BULB-TITE®**	–	–	–	–	16/32 BT	**1434302**
6,3	all **BULB-TITE®**	–	–	–	–	16/42 BT	**1434303**
7.7	all **BULB-TITE®**	–	–	–	–	16/48 BT	**1434304**

The number of the nosepiece (e.g. 17/32) can be found directly on the nosepiece.

Nosepiece assignment data apply to DIN and GESIPA® blind rivets.

BIRD PRO-SERIES CAS

BIRD PRO SERIES

**The alliance of the best –
The manufacturer-independent
battery system**

GESIPA® RELIES ON CAS

The alliance of the best

More than 400 electrical devices – but just one battery! With the Cordless Alliance System (abbreviated: CAS) tools from all participating manufacturers for a wide range of applications are combined easily thanks to uniform batteries and charging devices. GESIPA® is one of the participating manufacturers and the CAS system is being extended to include battery-powered riveting tools.

The benefits are close at hand

By converting the Bird Pro riveting tools to the CAS battery system, from now on the premium manufacturer of riveting technology and the leading provider of battery technology will be working together. Thanks to the large number of strong CAS partners – including special applications, there will be an important convergence of power and innovation. By using the CAS batteries in multiple different tools, the user gains flexibility and cost advantages. The system also offers the reliability of a futureproof battery technology.

CAS

Here you can find the
additional CAS partnerss

MAXIMUM POWER – FOR EVERY APPLICATION

The CAS battery packs are particularly long-lasting and powerful. Depending on the design, they are based on Li-Ion or LiHD technology. At GESIPA® the blind riveting and blind rivet nut setting tools can be purchased as standard with 2.0 Ah battery packs - the compact 4.0 Ah battery is also available as an accessory. But of course all other available CAS battery packs can also be used with our Bird Pro devices.

LiHD TECHNOLOGY

Li-ION BATTERY PACK 18V

- → Ultra M technology: Intelligent battery management for long-lasting battery packs
- → Patented "AIR COOLED" charging technology
- → Permanent Electronic Single Cell Protection (ESCP) when charging, for particularly long life.
- → Processor-controlled charge and discharge management
- → Capacity display with almost no self-discharge
- → One battery pack for everything. 100% compatibility with all 18 V machines and chargers of the CAS partners

THE OPTION: LiHD BATTERY PACK 18V

- → More power with the new LiHD cell technology together with a newly developed battery pack
- → High-current power rails and enlarged contacts
- → 3 times better conductivity with cell connectors made of a special copper alloy
- → Optimum protection against dirt with fully-sealed and protectively coated electronics, as well as optimum sealing in the lid design
- → Cells protected by rubber buffers
- → More usable cell energy means less frequent charging
- → External rubber coating of the battery pack ensures safe and non-slip positioning and also acts as shock protection

BIRDIE – THE SMALLEST TOOL IN THE 18 V CLASS

Birdie® – The battery-powered blind rivet tool – **small and light!**

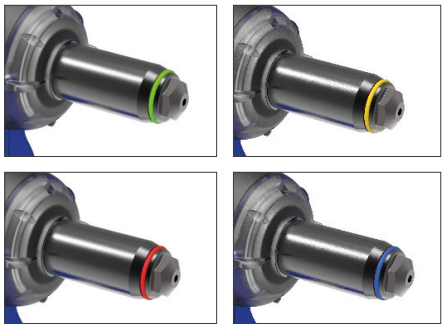
It's small, it's fast, it's nimble! And that's not all. The new Birdie® from GESIPA® is the smallest and lightest battery-powered blind riveting tool in its performance class. Plus it has an ergonomic design with a balanced centre of gravity and a non-slip, handy handle. Fatigue-free working comes built in!

What's more, the riveting tool covers a wide range of applications: with a setting force of 10,000 N and a tool stroke of 25 mm, the Birdie® makes light work of setting blind rivets with a diameter of up to 5 mm in all materials. And, like the Bird Pro series, the Birdie® works with the tried-and-tested cross-manufacturer batteries from CAS.

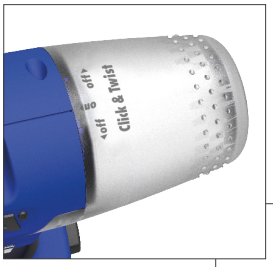
Not only are the ***Birdie®'s*** size and weight impressively low but it has also been equipped with the latest and most innovative technology. So this blind riveting tool offers you flexibility when working together with some unique benefits.

BENEFITS Birdie®

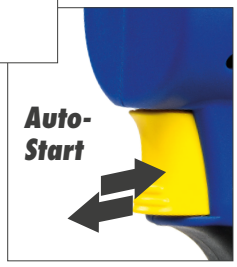
- → Lightweight: Weighing only 900g without the battery, the Birdie® is the smallest and lightest cordless riveting tool in its class. It sits particularly compactly in your hand and lets you work effortlessly.
- → Wide working range: 10 kN setting force and 25 mm tool stroke, able to handle extra-long rivets
- → Ergonomic design: Small and handy
- → Fast, tool-free changes: Extremely fast and easy nosepiece changing and jaw maintenance
- → Coloured nosepieces: Colour-coded nosepieces make it easy to match the nosepiece to the blind rivet being used
- → Functions with a simple tap
- → Shorter setting cycle saves energy
- → Very latest battery technology: Cordless Alliance System – 100% compatible
- → Practically wear-free, thanks to BLDC motor
- → Transparent spent mandrel container: Gives you a constant overview of the spent-mandrel fill quantity
- → Working light for positioning accuracy: Sure setting in any lighting conditions



Extremely fast and easy nosepiece changing and jaw maintenance



Transparent spent-mandrel container with new ***click'n'twist*** function



Tap function ensures shorter setting cycle

SMALLER THAN AN A4 SHEET

BIRDIE®

Small! Light! Fast! The battery riveting tool can set up to 3,000 blind rivets on a single battery charge. Like all tools in the Bird series, the Birdie® is powered by an 18-volt CAS battery.

18 V

CAS

No. 1746720

No. 1746718

No. 1746719

No. 1746721

No. 1746722

No. 1746723

TECHNICAL DATA

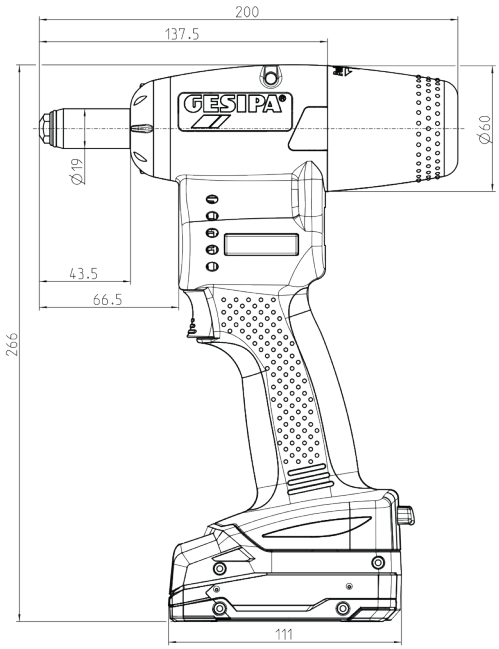
Setting force	10,000 N
Weight	1.35 kg (Battery 2.0 Ah)
Drive	Brushless DC motor (BLDC)
Stroke	25.0 mm

WORKING RANGE

Ø mm

	2.4	3.0	3.2	4.0	4.8	5.0	6.0	6.4	8.0
AL									
Steel									
A2									
A4									

(max. mandrel Ø 3.5 mm)



Dimensions in mm

SCOPE OF DELIVERY

Steel head sleeves: 17/24 (blue, pre-assembled), 17/27 (green), 17/29 (yellow), 17/32 (red), operating instructions, service kit

ADVANTAGES

- Small and light
- Noespieces can be changed without the use of tools
- Coloured nosepieces
- Proven tap function: energy-saving
- Ergonomic working thanks to an optimal centre of gravity
- Error and charge level display
- BLDC motor: almost wear-free
- The latest battery technology with the Cordless Alliance System

106 150 INFO

Developed, designed and manufactured in Germany

MADE IN GERMANY

BIRDIE® WITH EXTENDED SETTING SLEEVE

The proven Birdie® ideally equipped for low-lying or difficult-to-reach applications.

18 V

NEW

CAS

No. 1830753

TECHNICAL DATA

Setting force	10,000 N
Weight	1.49 kg (Battery 2.0 Ah)
Drive	Brushless DC motor (BLDC)
Stroke	25.0 mm

WORKING RANGE

Ø mm

	2.4	3.0	3.2	4.0	4.8	5.0	6.0	6.4	8.0
AL									
Steel									
A2									
A4									

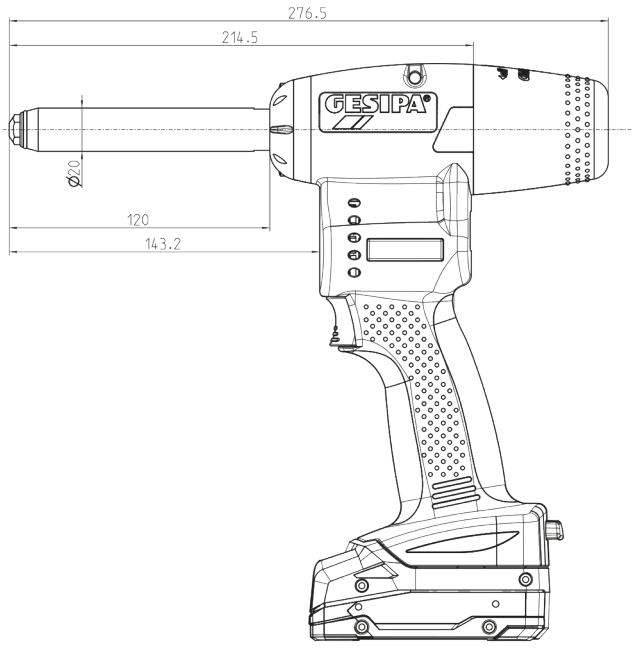
(max. mandrel Ø 3.5 mm)

SCOPE OF DELIVERY

Nosepieces 17/22, 17/27, 17/29, 17/32, operating instructions

ADVANTAGES

- → Small and light
- → Noespieces can be changed without the use of tools
- → Coloured nosepieces
- → Proven tap function: energy-saving
- → Ergonomic working thanks to an optimal centre of gravity
- → Error and charge level display
- → BLDC motor: almost wear-free
- → The latest battery technology with the Cordless Alliance System



Dimensions in mm

CONVERSION-KIT EXTENDED SETTING SLEEVE

No. 1827619

106 150

Conversion kit extended setting sleeve on **page 109**.

ACCUBIRD® PRO

The battery riveting tool is up to 4 times faster than standard battery-powered tools!

18 V

No. 1679661

No. 1679662

No. 1679659

No. 1679660

TECHNICAL DATA

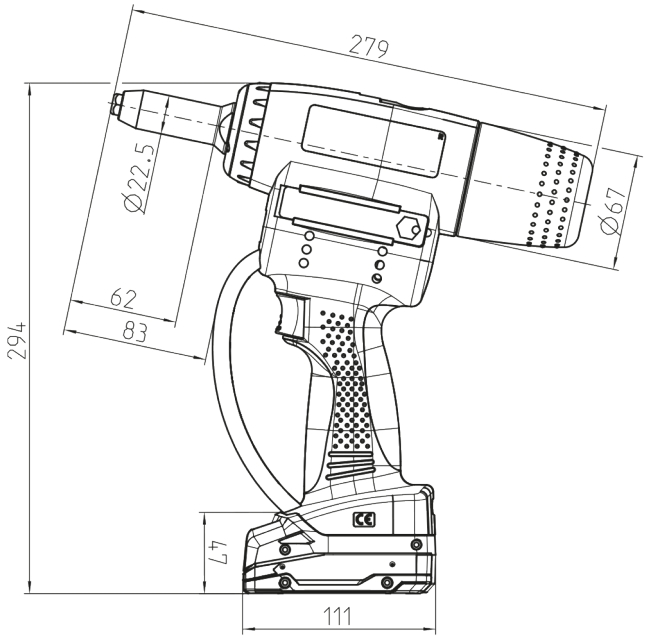
Setting force	13,000 N
Weight	2.1 kg (Battery 2.0 Ah)
Drive	Brushless DC motor (BLDC)
Stroke	25.0 mm

WORKING RANGE

Ø mm

	2.4	3.0	3.2	4.0	4.8	5.0	6.0	6.4	8.0
AL									
Steel									
A2									
A4									

(max. mandrel Ø 3.7 mm)



Dimensions in mm

SCOPE OF DELIVERY

Nosepieces: 17/20, 17/24, 17/27, 17/29, 17/32, 17/36, 17/40, additional jaw pusher for larger blind rivet dimensions, operating instructions

ADVANTAGES

- → Fast and durable
- → Versatile due to a large working range
- → Shortened pulling process
- → Almost wear-free due to BLDC motor
- → State-of-the-art battery technology with the Cordless Alliance System
- → Solid chuck jaw system with a long service life

106 150 Power per battery charge on **page 108**

Make sure the correct jaw pusher is used as specified in the operating instructions!

POWERBIRD® PRO GOLD EDITION

PowerBird® Pro Gold Edition – the strong one for high volumes and fast workflows

18 V

No. 1679666

No. 1679667

No. 1679664

No. 1679665

TECHNICAL DATA

Setting force	20,000 N
Weight	2.1 kg (Battery 2.0 Ah)
Drive	Brushless DC motor (BLDC)
Stroke	25.0 mm

WORKING RANGE

Ø mm

	2.4	3.0	3.2	4.0	4.8	5.0	6.0	6.4	8.0
AL									
Steel									
A2									
A4									

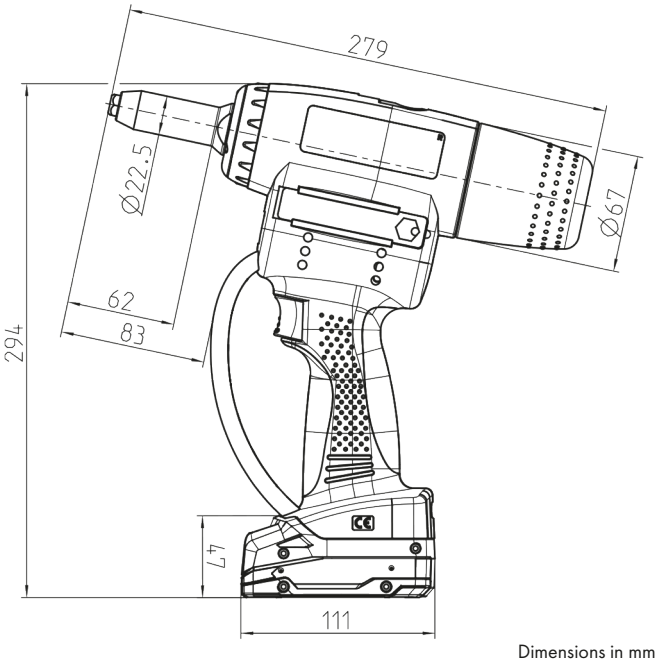
(max. mandrel Ø 4.3 mm)

SCOPE OF DELIVERY

Nosepieces: 17/32, 17/36, 17/40 and 17/45 Additional jaw pusher for smaller blind rivet dimensions, operating instructions

ADVANTAGES

- → Extremely versatile thanks to a large working range
- → Strong and fast
- → Shortened pulling process
- → Almost wear-free thanks to BLDC motor
- → State-of-the-art battery technology with the Cordless Alliance System



Dimensions in mm

106 150 INFO

Make sure the correct jaw pusher is used as specified in the operating instructions!

INDUSTRY 4.0 - CONTROLLED SUCCESS!

Industry 4.0 stands for intelligent and digitally networked systems in the manufacturing industry, with the aim of ensuring that production is as self-organised as possible. Our cordless blind riveting tools iBird® Pro and iBird® Pro CL offer users the digital tools they need to optimise the value chain. Our new iBird® Pro CL works with MQTT and the GESIPA® interface to provide process data to customers' own networks, making it storable and processable.

NEW

iBIRD® PRO CL

THE NEW MEMBER OF GESIPA®

The new networkable iBird® Pro CL has been specially designed for industrial environments and can be quickly and wirelessly integrated into a production environment (e.g. PLC) using the GESIPA® interface. It is possible to connect up to three iBird® Pro CL simultaneously via the associated iBird® application on one interface. The data from the counting function and the standard integrated setting process assistant can be sent to the customer's own network for further processing via MQTT.

2-way communication

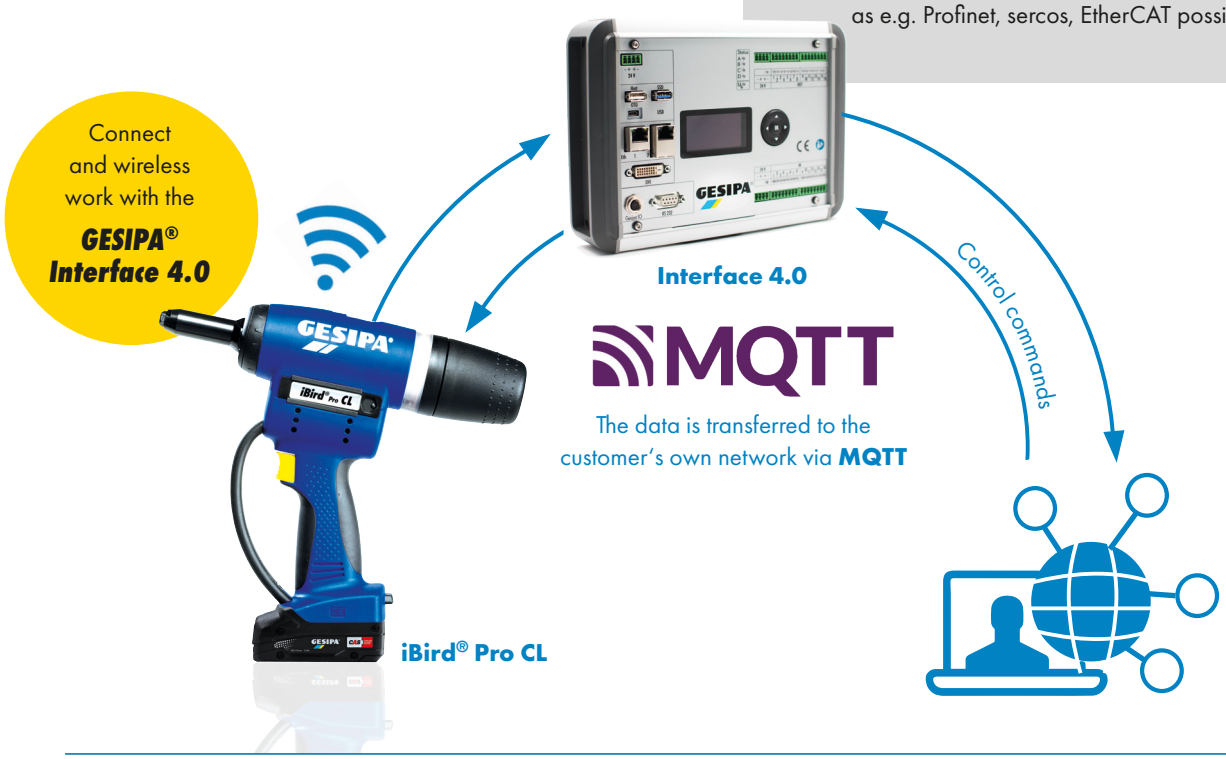
The device communicates with the PLC and the PLC with the device. This bidirectional communication allows the device to be controlled, but the riveting result can also be processed by the customer PLC and utilised for further line control. Among other things, this enables digital worker guidance or the ejection of niO parts.

Optimisation of the value chain

The networked iBird® Pro CL rechargeable blind riveting tool thus offers users all aspects of industrial process optimisation that they need to process acceleration, error reduction, quality control and even preventive maintenance or logging of components. Ultimately, the use of the iBird® Pro CL can contribute to sustainable optimisation of the value chain and cost reductions in industrial production thanks to the numerous and easily provided data.

THIS IS WHAT THE GESIPA INTERFACE OFFERS:

- → 2 x Ethernet interface, router functions
- → 1 x USB and 1 x USB-OTG
- → Connection for monitor, graphic output via DVI
- → WiFi as access point and client, WiFi router function
- → Local OLED display to show status and error messages
- → M.2 SSD interface, the module can be retrofitted with an SSD (large databases)
- → PCIe connection for Hilscher netJack modules (i.e. direct connection to industrial busses such as e.g. Profinet, sercos, EtherCAT possible)



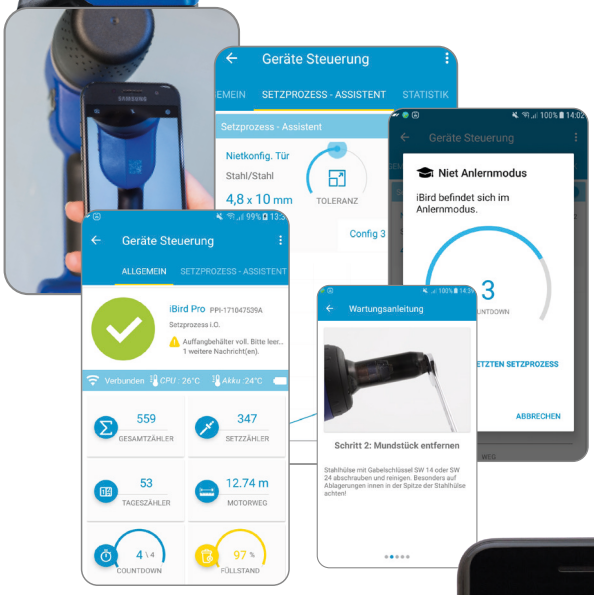
iBIRD® PRO
SIMPLE CONNECTION WITH
THE GESIPA® APP

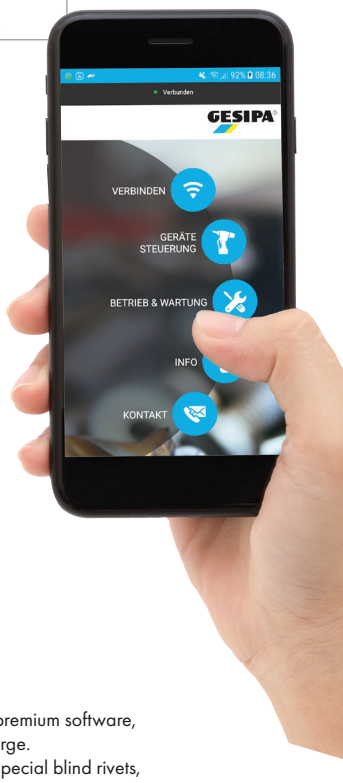
The iBird® Pro is a networked battery-powered setting tool that can be connected to smartphones and tablets using WiFi or Bluetooth via a free GESIPA® app. This networking provides a number of additional benefits such as the monitoring of riveting processes, processing safety, status and service indicators, as well as quick and simple access to operating, maintenance and repair instructions – ultimately resulting in optimisation of the value chain. The riveting processes are visualised via a signal ring (Andon ring). Four different colours can be set via the app. A setting process assistant is optionally available as premium software

GESIPA

JETZT BEI Google Play

Laden im App Store





WHAT THE IBIRD® PRO APP OFFERS:

- → Various counters:
- → Total, day, setting counter, countdown, OK*, NOK*.
- → Fill level indicator, service indicator (spent mandrel container, cleaning or oiling jaws, full service)
- → Optional setting process assistant*
- → Monitoring of battery charge level, battery temperature and temperature of the tool control
- → Maintenance instructions, maintenance history
- → Error message, error history, backnowledgement history
- → Tips and tricks
- → Operating instructions

PREMIUM SOFTWARE
Optional setting process assistant*

- → Setting process evaluation with fault detection, notification in app and via Andon ring (signal ring lights up based on the setting process evaluation and colour setting)
- → Teaching mode for teaching in rivet configurations
- → Creation of job lists to process various rivet configurations

No. 1570451

*After activation of the premium software, which is subject to a charge.
From diameter 4.0. For special blind rivets, the function of the setting process wizard may be limited.

iBIRD® PRO

The networked battery riveting tool is connected to smartphones and tablets using the GESIPA® app via WiFi or Bluetooth.

18 V

With GESIPA®-App

CAS

No. 1764464

TECHNICAL DATA

Setting force	13,000 N
Weight	2.2 kg (Battery 2.0 Ah)
Drive	Brushless DC motor (BLDC)
Stroke	25.0 mm

WORKING RANGE

Ø mm

	2.4	3.0	3.2	4.0	4.8	5.0	6.0	6.4	8.0
AL									
Steel									
A2									
A4									

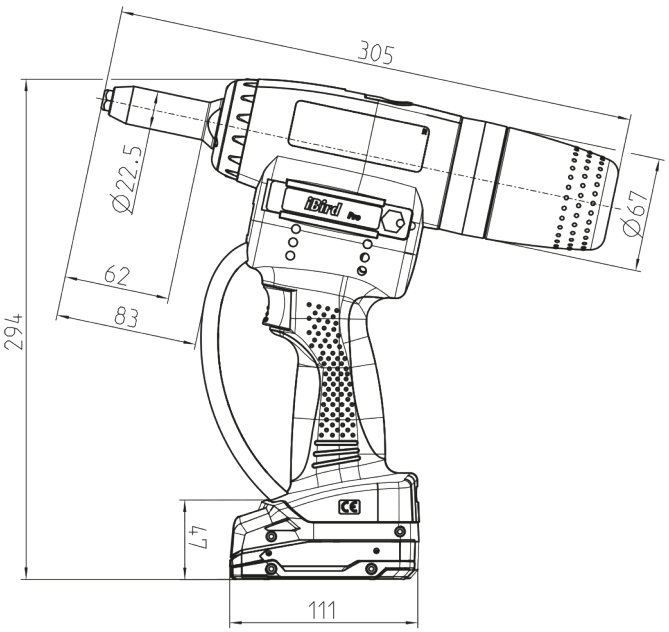
(max. mandrel Ø 3.7 mm)

SCOPE OF DELIVERY

Nose pieces: 17/20, 17/24, 17/27, 17/29, 17/32, 17/36, 17/40, additional pressure bushing for larger blind rivet dimensions, operating instructions

ADVANTAGES

- For smartphone, tablet
- Easy pairing of the tool with the app
- Data available anytime, anywhere
- Andon ring for visualising the riveting processes
- Optional connection to three mobile devices simultaneously
- Optional premium software available for setting process assistant



Dimensions in mm

106 150 INFO

Make sure the correct jaw pusher is used as specified in the operating instructions!

iBIRD® PRO GOLD EDITION

Connect to the GESIPA® app via WiFi or Bluetooth and get started. Easy access to status and service displays, operating, maintenance and repair instructions.

18 V

With GESIPA®-App

CAS

No. 1679683

No. 1679684

No. 1679681

No. 1679682

TECHNICAL DATA

Setting force	20,000 N
Weight	2.2 kg (Battery 2.0 Ah)
Drive	Brushless DC motor (BLDC)
Stroke	25.0 mm

WORKING RANGE

Ø mm

	2.4	3.0	3.2	4.0	4.8	5.0	6.0	6.4	8.0
AL									
Steel									
A2									
A4									

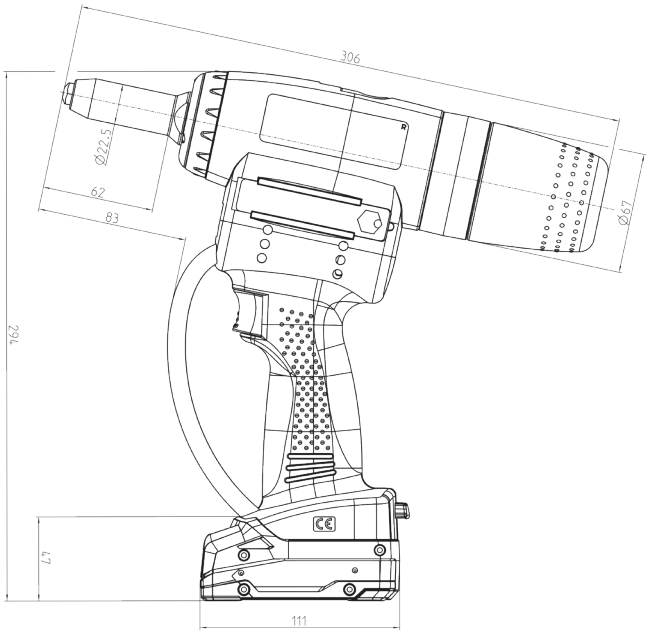
(max. mandrel Ø 4.3 mm)

SCOPE OF DELIVERY

Nosepieces: 17/32, 17/36, 17/40 and 17/45, additional jaw pusher for smaller blind rivet dimensions, operating instructions

ADVANTAGES

- For smartphone, tablet
- Easy pairing of the tool with the app
- Data available anytime, anywhere
- Andon ring for visualising the riveting processes
- Optional connection to three mobile devices simultaneously
- Optional premium software available for setting process assistant



Dimensions in mm

106 150 Power per battery charge on **page 108**

Make sure the correct jaw pusher is used as specified in the operating instructions!

iBIRD® PRO CL

The battery riveting tool for industrial production. When connected via the GESIPA® Interface 4.0, the setting process data can be made available to the customer's own network.

18 V

NEW

CAS

MQTT

No. 1827368

No. 1827369

iBird® Pro CL + Interface 4.0

No. 1849693

TECHNICAL DATA

Setting force	13,000 N
Weight	2.2 kg (Battery 2.0 Ah)
Drive	Brushless DC motor (BLDC)
Stroke	25.0 mm

WORKING RANGE

Ø mm

	2.4	3.0	3.2	4.0	4.8	5.0	6.0	6.4	8.0
AL									
Steel									
A2									
A4									

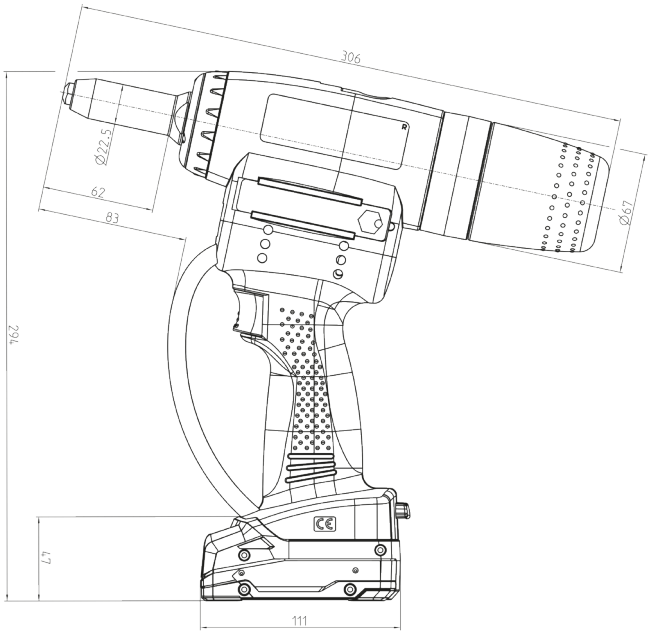
(max. mandrel Ø 3.7 mm)

SCOPE OF DELIVERY

Nosepieces: 17/20, 17/24, 17/27, 17/29, 17/32, 17/36, 17/40, additional jaw pusher for larger blind rivet dimensions, operating instructions

ADVANTAGES

- → Can be networked (customer system (e.g. PLC), interface, MQTT)
- → Communicates bidirectionally
- → Can be controlled
- → Worker guidance possible
- → Riveting result can be used for line control
- → Maintenance information at a glance
- → Counter reading at a glance
- → Supports the value chain



Dimensions in mm

106 150 INFO

Make sure the correct jaw pusher is used as specified in the operating instructions!

iBIRD® PRO CL GOLD EDITION

The battery riveting tool with maximum setting force for industrial production. When connected via the GESIPA® Interface 4.0, setting process data can be made available to the customer's own network via MQTT.

18 V

NEW

CAS

MQTT

No. 1798722

No. 1798723

iBird® Pro CL GE + Interface 4.0

1849694

TECHNICAL DATA

Setting force	20,000 N
Weight	2.2 kg (Battery 2.0 Ah)
Drive	Brushless DC motor (BLDC)
Stroke	25.0 mm

WORKING RANGE

Ø mm

	2.4	3.0	3.2	4.0	4.8	5.0	6.0	6.4	8.0
AL									
Steel									
A2									
A4									

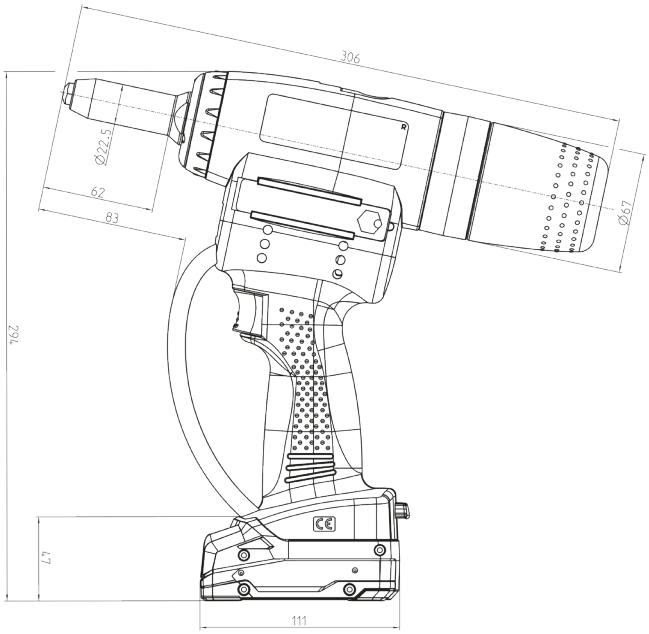
(max. mandrel Ø 4.3 mm)

SCOPE OF DELIVERY

Nosepieces: 17/32, 17/36, 17/40 and 17/45 Additional jaw pusher for smaller blind rivet dimensions, operating instructions

ADVANTAGES

- → Can be networked (customer system (e.g. PLC), interface, MQTT)
- → Communicates bidirectionally
- → Can be controlled
- → Worker guidance possible
- → Riveting result can be used for line control
- → Maintenance information at a glance
- → Counter reading at a glance
- → Supports the value chain



Dimensions in mm

106

150

Make sure the correct jaw pusher is used as specified in the operating instructions!

ACCUBIRD® PRO WITH SPRING-LOADED TRIGGER SYSTEM

Reliable blind rivet processing, even on components with gaps or that spring back

18 V

AccuBird® Pro with spring-loaded trigger system

No. 1680293

No. 1680294

PowerBird® Pro Gold Edition with spring-loaded trigger system

No. 1680296

No. 1680295

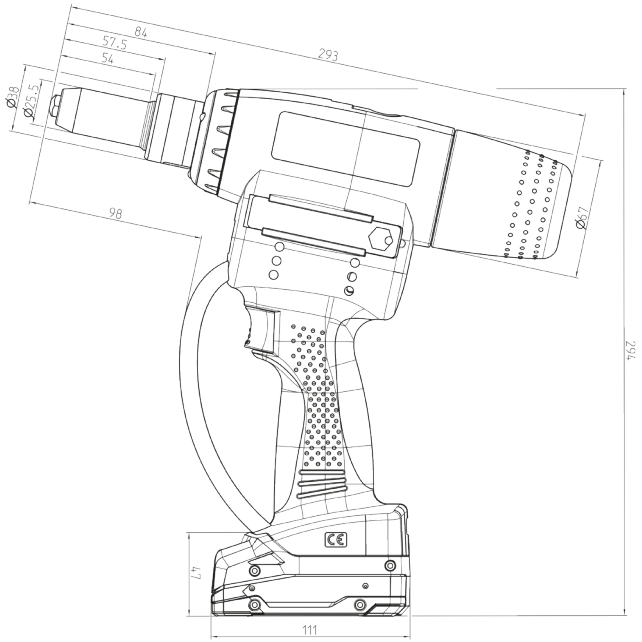
Example image of PowerBird® Pro GE

TECHNICAL DATA analogue AccuBird® Pro and PowerBird® Pro Gold Edition

SCOPE OF DELIVERY

Nosepieces: 17/32, 17/36, 17/40 and 17/45; additional jaw pusher for smaller blind rivet sizes (separate nosepieces required), operating instructions

The spring-loaded trigger system ensures that the parts to be riveted reliably make contact without any gaps before riveting. Furthermore, the operator will be certain that the blind rivet has reached its end position in the hole before setting and the setting head is in contact with the material. The pressing force can be varied with springs depending on the application.



Dimensions in mm

FUNCTIONAL PRINCIPLE

The surface contact trigger mechanism is also installed on the trigger button of the device. It only allows the riveting device to trigger when a set compressive force on the part is reached. This ensures that the various components in the application are pressed correctly onto each other before the riveting process. This means that uncontrolled deformation of the rivet body between the materials is prevented, which would otherwise go andetected. The surface contact force can be varied in five steps. It is set by either adding or removing springs. This rules out the possibility of unintentionally changing the defined surface contact force. A row of push-buttons is arranged in front of the standard trigger button. On overcoming the spring force and reaching the defined surface contact force, the riveting process can only be triggered by pressing the yellow button.

ANGLE HEAD 90° for the Bird Pro series

The angle head can be positioned freely in every position (360°) on the tensile axis.

No. 1464882

TECHNICAL DATA

Setting force	up to 20,000 N
Weight	1.1 kg
Traction power	up to 21 mm

SCOPE OF DELIVERY

Nosepiece:17/45 (No. 143 4860)

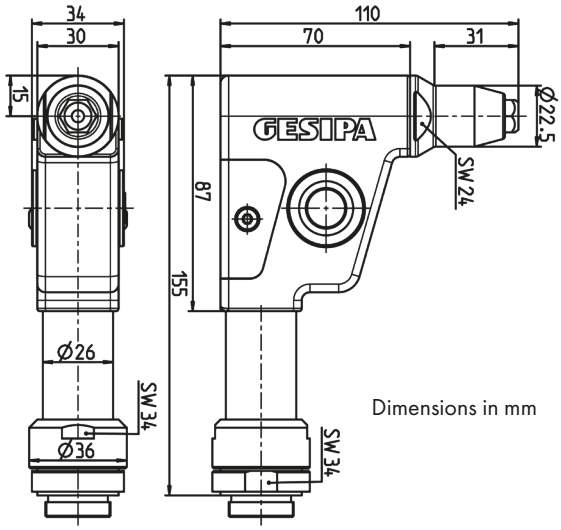
The angle head 90° is designed for use in very narrow and confined spaces. The rugged design makes it possible to set blind rivets with a high setting force even in working areas that are difficult to access.

The angle head 90° can set standard blind rivets with a diameter up to 6.4 mm in all materials (max. mandrel Ø 4.5 mm) with a setting force up to 20 kN. The smallest edge distance is 15 mm, the head length 110 mm.

The 17/45 nosepiece is included in the scope of delivery as standard. Nosepieces from 17/18 to 17/40 can also be used with the angle head 90°; however, this depends on the working range of the respective tool type (AccuBird® Pro or PowerBird® Pro Gold Edition).

ADVANTAGES

- Realisation of small edge clearances
- High setting force in tight installation areas
- Large stroke
- Simple assembly
- Compact and robust design
- Simple jaws maintenance
- Use of standard jaws



Dimensions in mm

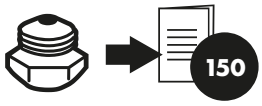
NOSEPIECE ASSIGNMENT **POWER PER BATTERY CHARGE** for battery tools

Birdie® (Nosepiece with integrated setting sleeve)

D	Material	approx.pc / battery charge	Nosepiece	No.
STANDARD				
3.2	AL/Steel	**3,300**	17/24	**1752360**
4.0	AL/Steel	**2,000**	17/27	**1752361**
4.0	Stainless Steel	**1,800**	17/29	**1752362**
4.8	AL/Steel	**1,500**	17/32	**1752363**
4.8	Stainless Steel	**1,300**	17/36*	**1760255**
6.0	AL	**1,100**	17/36*	**1760255**

* available as special accessory. Special design nosepieces are available on request.
The nosepiece allocation data applies to DIN and GESIPA® blind rivets.

The name of the nosepiece (e.g. 17/32) can be found directly on the nosepiece.



Extended mandrels, special lengths and special mandrels from **page 150**

NOSEPIECE ASSIGNMENT POWER PER BATTERY CHARGE for battery tools

Bird® Pro Serie

D	Material	approx.pc / battery charge				Nosepiece	No.
STANDARD		**AccuBird® Pro**	**Power-Bird® Pro GE**	**iBird® Pro / iBird® Pro CL**	**iBird® Pro GE / iBird® Pro CL GE**		
2.4	AL	**2,500**	**2,300**	**2,300**	**2,100**	17/18*	**1434976**
3.2	CAP®-AL, CAP®-Cu	**2,300**	**2,100**	**2,100**	**1,900**	17/18*	**1434976**
3	AL	**2,400**	**2,200**	**2,200**	**2,000**	17/20*	**1434994**
3	Steel, Stainless Steel	**1,900**	**1,800**	**1,700**	**1,600**	17/22*	**1435018**
3 and 3.2	AL, Steel, Stainless Steel	**1,700**	**1,650**	**1,500**	**1,450**	17/24	**1434955**
4	AL	**1,750**	**1,700**	**1,550**	**1,500**	17/24	**1434955**
4	Steel	**1,550**	**1,500**	**1,350**	**1,300**	17/27	**1434973**
4	Stainless Steel	**1,450**	**1,400**	**1,250**	**1,200**	17/29	**1434974**
4.8 and 5.0	AL	**1,200**	**1,300**	**1,000**	**1,100**	17/29	**1434974**
4.8 and 5.0	Steel, AL	**1,100**	**1,000**	**900**	**800**	17/32	**1434975**
4.8 and 5.0	Stainless Steel	**1,000**	**800**	**800**	**700**	17/36	**1434977**
6.0	AL	**1,000**	**800**	**800**	**700**	17/36	**1434977**
6.0	Steel	**800**	**650**	**650**	**550**	17/40	**1434999**
6.0	Stainless Steel	**750**	**600**	**600**	**550**	17/40	**1434999**
6.4	AL, PG-AL	-	**800**	**800**	**700**	17/45	**1434860**
6.4	Steel	-	**550**	**550**	**450**	17/45	**1434860**
6.4	Stainless Steel	-	**400**	**400**	**300**	17/45	**1434860**
BULB-TITE®							
4.0	AL	**1,400**	**1,300**	**1,300**	**1,200**	17/26 BT*	**1434985**
5.2	AL	**1,300**	**1,200**	**1,200**	**1,100**	17/32 BT*	**1434986**
6.3	AL	**900**	**800**	**800**	**700**	17/42 BT*	**1434988**
6.3	Steel	**600**	**550**	**550**	**500**	17/42 BT*	**1434988**
7.7	AL	-	**700**	**700**	**650**	17/48 BT*	**1434989**
MEGA-GRIP®							
4.8	AL	-	**1,200**	**1,200**	**1,050**	17/31 MG*	**1434993**
4.8	Steel	-	**1,000**	**1,000**	**900**	17/31 MG*	**1434993**
4.8	Stainless Steel	-	**900**	**900**	**800**	17/31 MG*	**1434993**
6.4	AL	-	**1,000**	**1,000**	**900**	17/41 MG*	**1434865**
6.4	Steel	-	**750**	**750**	**650**	17/41 MG*	**1434865**
6.4	Stainless Steel	-	**250**	**250**	**200**	17/41 MG*	**1434865**

Make sure the correct jaw pusher is used as specified in the operating instructions!

*available as special accessory. Special design nosepieces are available on request. The nosepiece allocation data applies to DIN and GESIPA® blind rivets.

All values refer to 2.0 Ah batteries. Standard values depending on various boundary conditions (battery, material to be joined, length of the blind rivet).

SPARE PARTS / SPECIAL ACCESSORIES for Bird Pro series / Birdie®

18V LI-POWER 2.0 AH BATTERY
Weight: 0.4 kg

CAS

No. 1679689

18V LiHD 4.0 AH BATTERY
Weight: 0.6 kg

CAS

No. 1679690

CHARGER FOR 18.0 V LI-ION BATTERY

Technical data

Input voltage:	220 - 240 V / 50 - 60 Hz
Output voltage:	12 - 36 V DC
Charging time:	2.0 Ah = approx. 40 minutes
	4.0 Ah = approx. 80 minute
Weight:	0.6 kg

CAS

Note:
Equipped with Euro plug as standard

EU packed
No. 1679694
UK packed
No. 1679695
US packed
No. 1679696

L-BOXX
The L-BOXX can be ordered individually or including the inlay.

L-BOXX Pro series + Inlay
No. 1691413
L-BOXX Pro series
No. 1622522
Inlay Pro series
No. 1679823
L-BOXX Birdie® (flat) + Inlay
No. 1766276
L-BOXX Birdie® (flat)
No. 1746751
Inlay Birdie®
No. 1746762

JAWS (3-PART)

Pro series
No. 1435568

Pro series -
Jaws with a long service life
No. 1541148

Birdie®
No. 1707703

SPARE PARTS / SPECIAL ACCESSORIES for Bird Pro series / Birdie®

SPARE PARTS KIT BIRDIE®
The kit includes 1x sleeve (1707731),
1 x jaws (1707703),
1x jaw pusher (1707705)

No. 1788776

SERVICE-KIT Birdie®
The kit includes 2x O-ring (1436042),
2x jaws (1707730), 1x lightring (1741429)

No. 1794990

NOSEPIECES Birdie® (integrated in sleeve)

Extremely fast and easy nosepiece changing and jaw maintenance

17/27	**No. 1752361** (green)
17/29	**No. 1752362** (yellow)
17/32	**No. 1752363** (red)
17/24	**No. 1752360** (blue)

17/18	**No. 1760252**
17/20	**No. 1760253**
17/22	**No. 1760254**
17/36	**No. 1760255**

SLEEVE WITHOUT NOSEPIECE
Compatible with all AccuBird®/ AccuBird® Pro nosepieces and custom nosepieces (up to 17/36

No. 1707731

RETAINING NOSEPIECE
Special accessory (also for SN2)

- → Inserted rivet stays in any position
- → Set rivets with only one hand
- → Safer working

17/18R	**No. 1655422**	17/29R	**No. 1655429**
17/20R	**No. 1655424**	17/32R	**No. 1655430**
17/22R	**No. 1655426**	17/36R	**No. 1655431**
17/24R	**No. 1655427**	17/40R*	**No. 1655433**
17/27R	**No. 1655428**	17/45R*	**No. 1655434**

*Except AccuBird® Pro

SPARE PARTS / SPECIAL ACCESSORIES for Bird Pro series

TRANSPARENT SPENT MANDREL CONTAINER
The classic spent mandrel container allows you to keep an eye on the amount of spent mandrels.

Transparent spent-mandrel container with new ***click'n'twist*** function.

Pro series
No. 1450837
Birdie®
No. 1741428

EXTENDED SPENT MANDREL CONTAINER
Option to replace standard spent mandrel container (69 mm).

Pro series
Size 1: 99 mm (extended by 30 mm)
No. 1450838
Size 2: 129 mm (extended by 60 mm)
No. 1450839
Birdie® (extended by 40 mm)
No. 1766359

CHANGEOVER SET FOR SMALL JAW ASSEMBLY
The small jaw assembly is particularly suitable where rivet sites are difficult to access and sets blind rivets up to Ø 5 mm alu/steel and up to Ø 4 mm steel/steel. The jaw assembly is 100 mm long and the diameter of the steel, head sleeve is 18 mm.
(max. mandrel Ø 2.7 mm)

Pro series
No. 1680455

ANGLE HEAD 90°
For use in very narrow and confined spaces

Pro series
No. 1464882

PROTECTIVE SLEEVE
The plastic-dipped steel head sleeve protects sensitive workpiece surfaces (e.g. painted surfaces) from being scratched by the nosepiece or the steel head sleeve during riveting.

Pro series
No. 1567289

EXTENSION UNITS

ONE-PIECE

replace the steel head sleeve, they are slim and are therefore particularly suitable for tight spaces that are difficult to access, Ø 22.5 mm.

TOOL	+35 mm	+85 mm	+135 mm
AccuBird® Pro	145 0860	145 0861	145 0862
PowerBird® Pro Gold Edition	145 7650	145 7651	145 0823

TOOL	+40 mm	+90 mm
AccuBird® Pro / PowerBird® Pro Gold Edition with spring-loaded trigger system	145 0821	145 0822

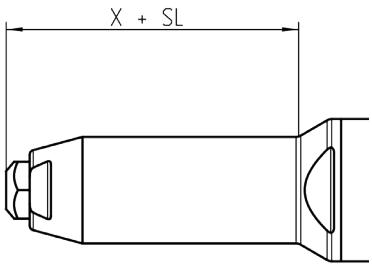
EXAMPLE one-piece

Bird Pro tools
Example: + SL 35 mm

Steel head sleeve length =
62 mm (X) + SL 35 = 97 mm

PowerBird Pro GE with spring-loaded trigger system
Example: + SL 40 mm

Steel head sleeve length =
57,5 mm (X) + SL 40 mm = 97,5 mm



The variable X can be found in the dimension drawings of the devices.

Dimension X = Standard steel head sleeve length (with standard nosepiece)

MULTI-PIECE

are suitable for riveting in low-lying places. They are screwed on between the tool and the existing steel head sleeve

Variable extension of the steel head sleeve is possible in steps of 100 mm

TOOL	+100 mm
AccuBird® Pro*	145 0859
PowerBird® Pro Gold Edition	145 0820

*not variably extendable!

EXAMPLE multi-piece

Bird Pro tools
Example: + SL 100 mm

Steel head sleeve length =
62 mm (X) + SL 100 mm = 162 mm

EXTENDED STEEL SLEEVE BIRDIE®

No. 1827619

ACCUBIRD®

The proven blind rivet tool with lithium-ion energy

14 V

No. 1457230

No. 1457240

No. 1434898

No. 1457235

TECHNICAL DATA

Setting force	10,000 N
Weight	2 kg
Drive	DC motor
Stroke	20.0 mm

WORKING RANGE

Ø mm

	2.4	3.0	3.2	4.0	4.8	5.0	6.0	6.4	8.0
AL									
Steel									
A2									
A4									

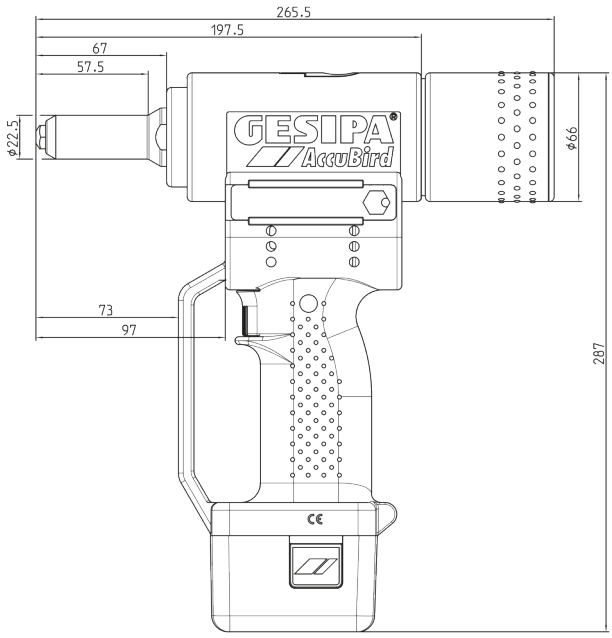
(max. mandrel Ø 3.2 mm)

SCOPE OF DELIVERY

Noespieces; 17/24, 17/27, 17/29 and 17/32, operating instructions

ADVANTAGES

- → Electronic control
- → No mechanical switching elements
- → High setting force
- → High working speed
- → Fatigue-free working
- → Compact, impact-resistant housing
- → Electronic temperature and overload protection



Dimensions in mm

114

150

BULB-TITES® can only be set with a conversion kit. Jaws need to be changed! Conversion kit on **page 114**

NOSEPIECE ASSIGNMENT

POWER PER BATTERY CHARGE

D	Material	approx.pc /battery charge 2,0 Ah Li-Ion Battery	Nosepiece	No.
2.4	AL	**2,100**	17/18*	**1434976**
3.2	CAP®-AL, CAP®-Cu	**1,400**	17/18*	**1434976**
3 and 3.2	AL	**1,100**	17/24	**1434955**
3 and 3.2	Steel	**1,100**	17/24	**1434955**
3 and 3.2	Stainless Steel	**1,100**	17/24	**1434955**
4	AL	**1,100**	17/24	**1434955**
4	Steel	**1,000**	17/27	**1434973**
4	Stainless Steel	**900**	17/29	**1434974**
4.8 and 5	AL	**800**	17/29	**1434974**
4.8 and 5	Steel	**600**	17/32	**1434975**
4.8 and 5	Stainless Steel	**500**	17/36*	**1434977**
6	AL	**350**	17/36*	**1434977**
BULB-TITE®-Blindniet				
4	AL	**1,400**	17/26 BT*	**1434985**
5.2	AL	**1,100**	17/32 BT*	**1434986**
6.3	AL	**800**	17/42 BT*	**1434988**
6.3	Steel	**400**	17/42 BT*	**1434988**
			and jaws 4**	**1434173**
			and jaw pusher 5**	**1434992**

* available as special accessory. Special design nosepieces are available on request.
The nosepiece allocation data applies to DIN and GESIPA® blind rivets.
**Available as a complete conversion kit

The name of the nosepiece (e.g. 17/32) can be found directly on the nosepiece.

ACCUBIRD® WITH SPRING-LOADED TRIGGER SYSTEM

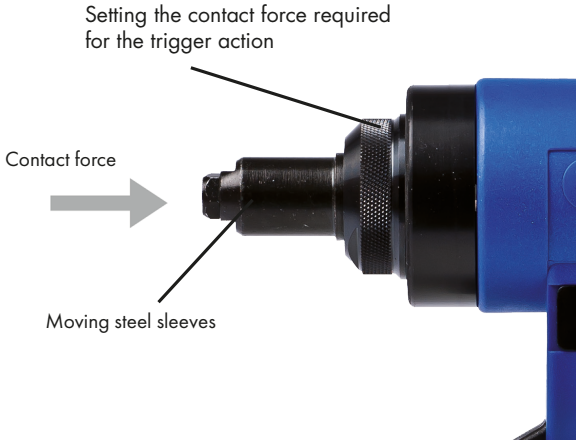
The proven blind rivet tool with lithium-ion energy

14 V

AccuBird® with spring-loaded trigger sytem
with Nosepieces 17/24, 17/27, 17/29 and 17/32

1457232

ENSURING CORRECT PROCESSING OF THE BLIND RIVETS BY MEANS OF A DEFINED CONTACT PRESSURE

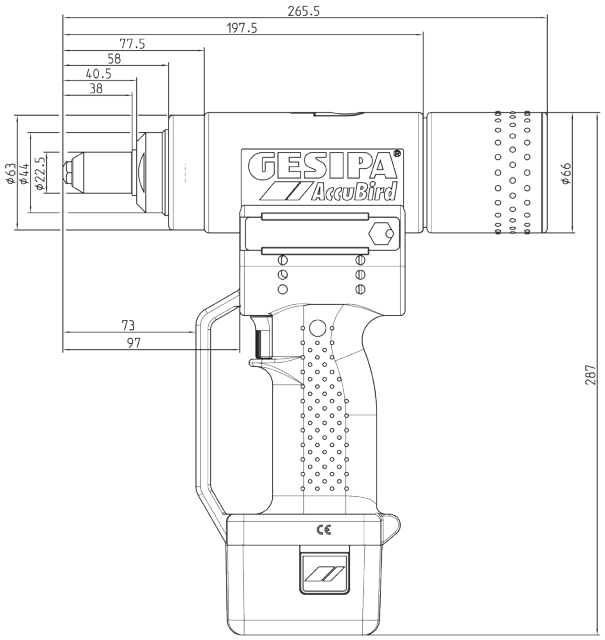


This feature ensures that the materials of the riveting application will be pressed together before the rivet is installed, thus avoiding gaps in between. Moreover the operator will be certain that the rivet has reached its end position in the application and that the setting head is in contact with the upper side of the material. The pressing force can be adjusted variably with springs depending on the application.

THE FUNCTION

The surface contact trigger mechanism is also installed on the trigger button of the device. It only allows the rivet device to be triggered if a settable compressive force on the part is reached. This ensures that the various components of the application are pressed correctly onto each other before the riveting process. In turn, this means that the uncontrolled deformation of the rivet body between the materials is prevented, which would otherwise go undetected.

The surface contact force may vary in five steps. It is set by either adding or removing springs. This rules out the possibility of unintentionally adjusting the defined surface contact force. Push buttons are arranged in series in front of the standard trigger button. The rivet process can only be triggered by pressing the yellow trigger button when the spring force has been overcome and the defined surface contact force has been reached.



Dimensions in mm

ANGLE HEAD 90° COMPACT for AccuBird®

Can be swivelled 360° on the AccuBird® tensile axis

No. 1457252

TECHNICAL DATA

Stroke	up to 10,000 N
Weight	0.7 kg
Traction power	20 mm

SCOPE OF DELIVERY

Nosepieces: 17/36

DESCRIPTION

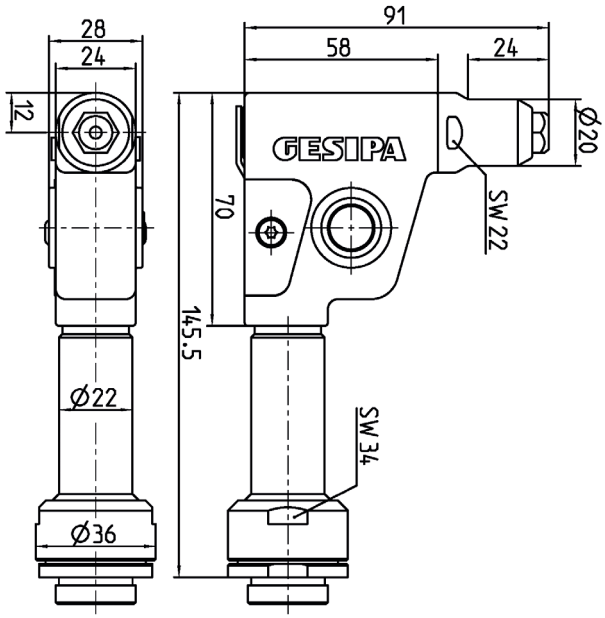
Using the angle head 90° compact for AccuBird® allows to set all types of standard blind rivets up to 5 mm in diameter and aluminium up to 6 mm diameter, depending on the tool type, max. mandrel Ø 3.2 mm. The minimum edge clearance is 12 mm, the head length is 90 mm. The angle head can be freely fixed in any position around the AccuBird® tensile axis (360° free rotation).

APPLICATION

The angle head 90° compact is designed for use in tight spaces. Its sturdy design allows it to apply large setting forces when setting blind rivets even in difficult of access work areas with up to10 kN.

ADVANTAGES

- → Realisation of small edge clearances (12 mm)
- → High setting force in tight installation areas (up to 10 kN)
- → Large stroke (up to20 mm)
- → Simple assembly
- → Compact and robust design
- → Simple jaws maintenance
- → Use of standard jaws
- → Low vibration, even at high breaking force level



Dimensions in mm

SPARE PARTS / SPECIAL ACCESSORIES Bird tools

14,4 V/2,0 Ah LI-ION BATTERY
Weight: 0.35 kg

No. 1666440

14,4 V/4,0 Ah LI-ION BATTERY
Weight: 0.50 kg

No. 1666441

CHARGER 14.4 V LI-ION

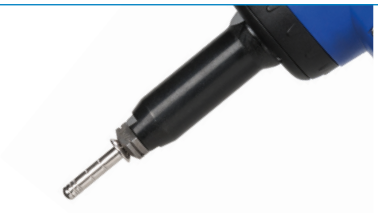
Technical data

Input voltage:	230 V / 50 Hz
Output voltage:	14.4 V DC
Recharging time:	50 to 100 minutes (battery depending)
Weight:	0.6 kg

No. 1457282

RETAINING NOSEPIECE
Special accessory (also for SN 2)

- Inserted rivet remains in any position
- Rivets may be set with only one hand
- Safer work



*Except AccuBird®

17/18R	**No. 1655422**
17/20R	**No. 1655424**
17/22R	**No. 1655426**
17/24R	**No. 1655427**
17/27R	**No. 1655428**
17/29R	**No. 1655429**
17/32R	**No. 1655430**
17/36R	**No. 1655431**
17/40R*	**No. 1655433**
17/45R*	**No. 1655434**

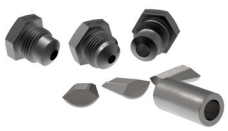
JAWS (3 PARTS)
for AccuBird®

No. 1434958

EXTENDED SPENT MANDREL CONTAINER
to suit AccuBird®, PowerBird® and SolarBird®

No. 1435034

CHANGEOVER SET FOR BULB-TITE® BLIND RIVETS
for AccuBird®



No. 1435033

PROTECTIVE SLEEVE for AccuBird®
The plastic-dipped steel head sleeve protects sensitive workpiece surfaces (e.g. painted surfaces) from being scratched by the nosepiece or the steel head sleeve during riveting.

No. 1567288

UNIVERSAL NOSEPIECE — 17

To suit AccuBird® and SN2

No. 1434960

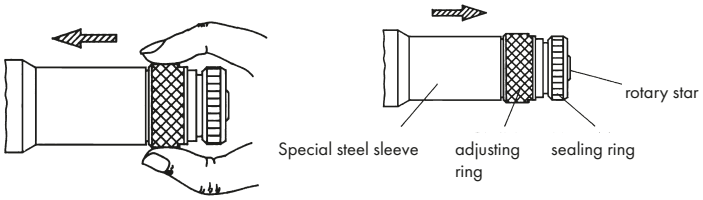
The universal nosepiece replaces five nosepiece sizes. The integrated rotary star in the steel sleeve can be unlocked easily without tools in order to select the appropriate size of nosepiece

Working range

Blind rivets from 2.4 up to 5 mm Ø alu, copper and steel and up to 4 mm Ø stainless steel.

Operation

Operate the tool and hold trigger, then push back adjusting ring to end position (1).
By turning the rotary star (2).



The universal nosepiece includes: Special steel sleeve, complete adjusting ring, rotary star and sealing ring.

EXTENSION UNIT

ONE-PIECE EXTENSION UNIT

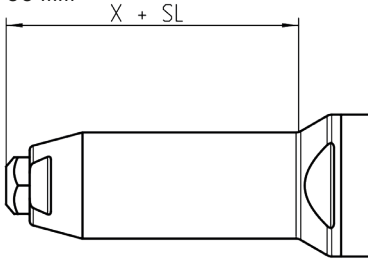
Replaces the steel case, is especially slim and therefore particularly well suited to narrow, hard-to-reach places.

	50 mm	100 mm	150 mm
AccuBird®	145 7273	145 7274	145 0622

EXAMPLE one-piece
+ SL 50 mm

Steel head sleeve length =
57 mm (X) + SL 50 mm = 107 mm

AccuBird® with spring loaded trigger system
example: + SL 50 mm
Steel head sleeve length =
40 mm (X) + SL 50 mm = 88 mm



MULTI-PIECE EXTENSION UNITS

For riveted joints in low-lying places. Screwed in between the device and the existing steel case.

	100 mm
AccuBird®	145 7318

EXAMPLE multi-piece
+ SL 100 mm

Steel head sleeve length =
57 mm (X) + SL 100 mm = 157 mm

Variable extension of the steel head sleeve is possible in steps of +100 mm.

Dimension X = Standard steel head sleeve length (with standard nosepiece)

The variable X can be found in the dimension drawings of the devices.

PNEUMATIC BLIND RIVET TOOLS

HYDRO-PNEUMATIC BLIND RIVET TOOLS

118

TAURUS® Series

TAURUS® 1-4
with counting device

TAURUS® 1-4
with counting device eco

TAURUS® 1 - 4 Axial

TAURUS® 1 - 4 Axial eco

TAURUS® 1-4 C Wintech

TAUREX 1 - 6

TAUREX 1 - 4 Axial /
TAUREX 1 - 4 Axial compact

PH 2

PH 2-VK

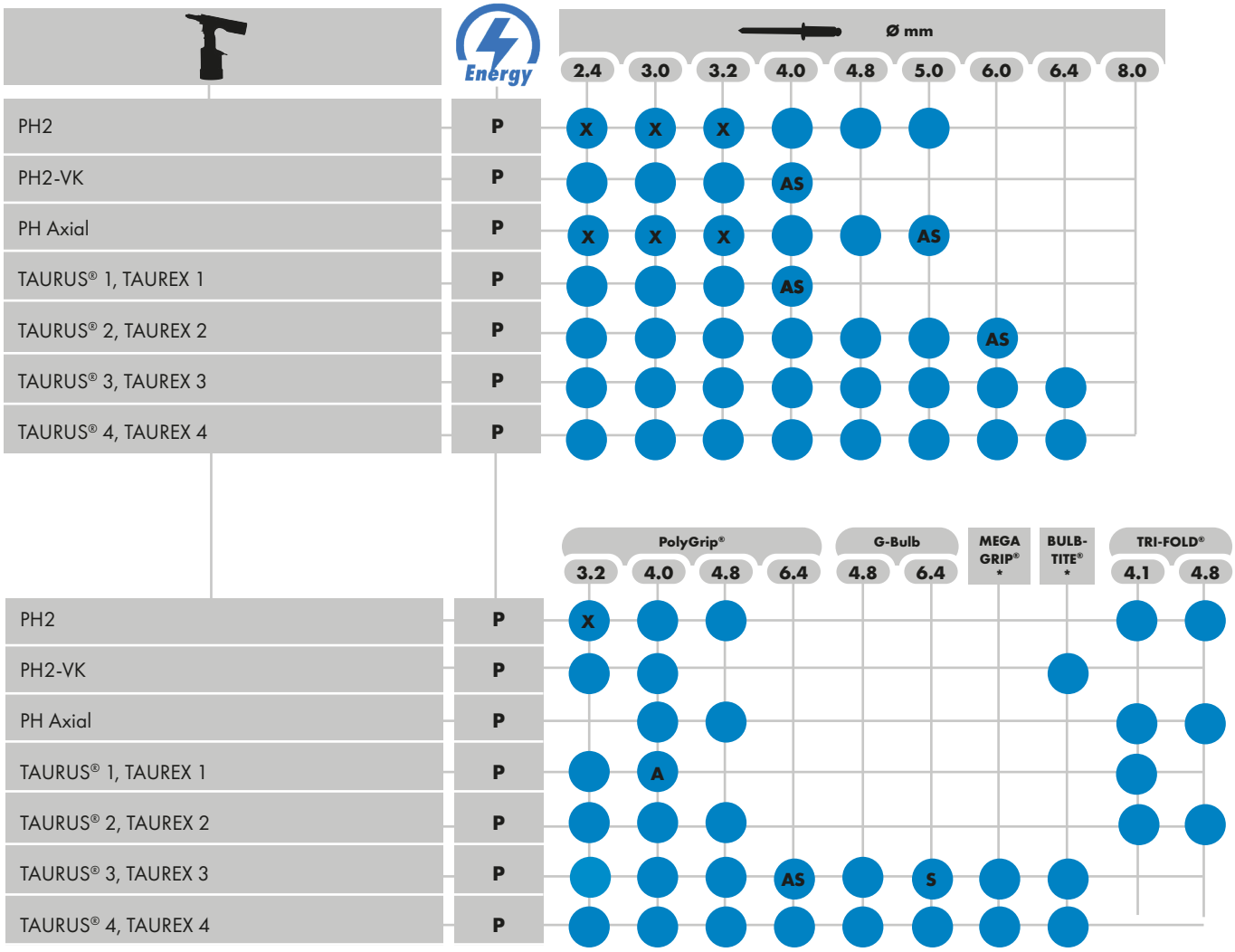
PH-Axial

Interface 4.0 /
Interface 4.0 Profinet

Multiswitch

GAV 8000 / GAV 8000 eco

WHAT RIVETS WHAT?



P: Hydro-pneumatic tool

X: Special accessoires required

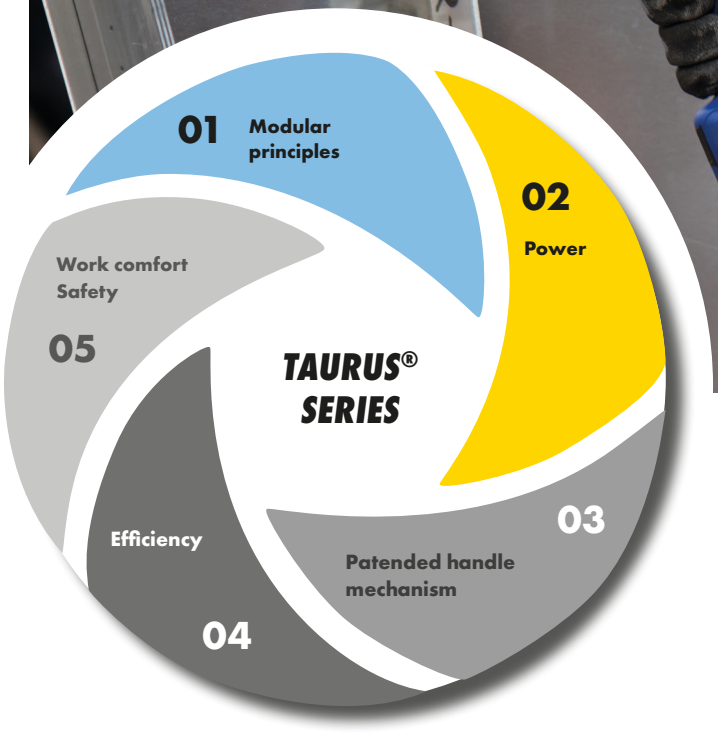
A: Alu/Copper
S: Steel
E: Stainless Steel / Monel
Blue box: All materials(ASE) can be riveted. Where there are exceptions, the letters of the rivetable materials are provided directly in the box.

*: A special nosepiece is **always** required when setting MEGA GRIP® blind rivets and BULB-TITE® blind rivets.

TAURUS® SERIES

The cost-efficient construction, perfect handling properties and practical accessories are what make the TAURUS® series so unique and flexible.

VIDEO



Since the market introduction of the **TAURUS® 2** in the year 2002, the TAURUS® series has managed to convince thousand times over in trade and industry. The TAURUS® 2 especially is a true all-rounder.

TAURUS®

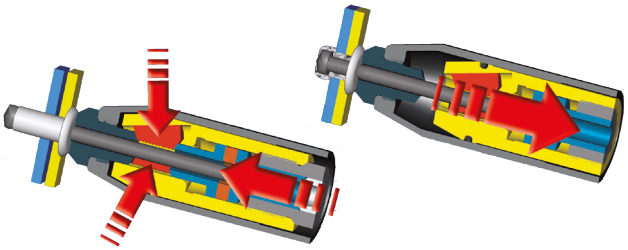
TAURUS® 1 | TAURUS® 2 | TAURUS® 3 | TAURUS® 4 | TAURUS® 5 | TAURUS® 6

ADVANTAGES WHICH SIMPLY CANNOT FAIL TO CONVINCE YOU!

01 MODULAR PRINCIPLES
- Widest possible parts commonality – low spare part stocks required and simple maintenance
- Flexible adaption to new applications

02 POWER
- High setting forces combined with low weight
- Fast work cycle
- Optimised stroke for the entire series

03 PATENTED HANDLE MECHANISM*
- With forcibly actuated jaws by pneumatic pressing
- Safe, non-slip gripping of the rivet mandrel
- Just one model of jaws for all tools
- Very long service lives



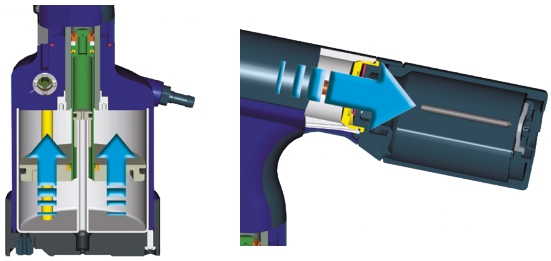
* Patented jaw system
→ The three jaws move in separate channels while being under forced control.
→ The jaws are pressed onto the mandrel by using compressed air instead of spring force – the force being ten times higher than usual.
→ Due to the high pressure the jaws immediately cling to the mandrels upon triggering the riveting process, only then the pulling movement starts.

GESIPA®-system – decisive advantages
→ The complete stroke of the tool is used for setting the rivet guaranteeing a reliable setting process.
→ The immediate and non-slip grip of the mandrel reduces abrasion and troublesome soiling.
→ Since the jaws do not slide along the mandrel, the wear and tear of the jaw profiles is reduced.

Lower costs due to longer service life and low requirements regarding maintenance and spare parts needed.

04 EFFICIENCY**
→ Little compressed air consumption thanks to dual function: setting the rivets and extracting the spent mandrels use the same air
→ Air suction needed only for vertical downwards riveting.
→ Can be permanently switched-off if not needed.

** **Optimum use of compressed air ensures maximum efficiency and low operating costs**
Compressed air is used very often in industrial production because of its flexibility. It does, however, cause relatively high costs and its consumption damages the environment. These disadvantages are more than enough reason for GESIPA® to equip the TAURUS® tool series with a special technique that allows to save compressed air and is unique throughout the world. The GESIPA® System uses the compressed air required for the setting process twice. First, to set the blind rivet and secondly, to extract the spent mandrel. Dual use of the compressed air means no expensive, fresh compressed air is needed which other tools on the market constantly need just to extract the spent mandrel. And, last but not least, noise emission from the TAURUS®-tools is extremely low.



In two-shift operation and with compressed air costs of approximately € 0.06 per m³ this innovative technique allows savings of up to € 1,400 per year and tool.
A TAURUS® 2 can pay for itself in less than one year.

05 WORK COMFORT / SAFETY
→ Rubberised, moulded grip
→ Balanced center of gravity
→ Low-vibration and soundproof
→ Little activation force required
→ Spent mandrel container with swivelling air deflector
→ Overpressure valve for prevention of overload
→ Integrated protection feature prevents the ejection of spent mandrels while the spent mandrel container is removed

TAURUS® DEVICE SERIES – THE MODULAR CONCEPT

The TAURUS® series – unique modular principle. Minimal spare parts stocks, easy maintenance

Nosepieces
different sizes

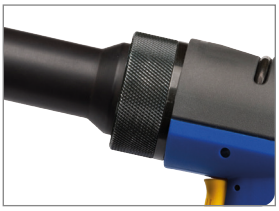
Extension units
Free access to difficult-to-reach riveting points

Single-piece
(different sizes)

Multi-piece
(different sizes)

Hanger

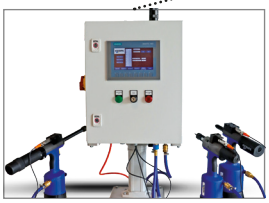
Spring-loaded trigger system
for gap-free riveting



External trigger
for external triggering

Air suction function

Setting process monitoring
for reliable setting processes

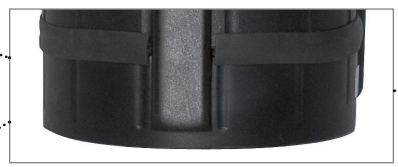


GESIPA® MultiSwitch

GESIPA®-Interface 4.0 /
GESIPA®-Interface 4.0 Profinet

Nosepiece allocation

GESIPA® Calibration device

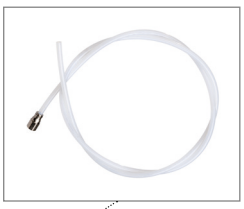


The modular concept for the TAURUS® series 1-4 lets the user customise the TAURUS® devices to match his individual requirements.

Many identical parts that can be used across all devices reduce the need to stock spare parts and make maintenance easy. This wide range of options provides the user with a high degree of flexibility. Each device in the TAURUS® series 1-4 can be fitted with many different spare parts or refitted according to the application.

Tool mount
for integration into automated applications

Rivet mandrel evacuation hose



Blind rivet counters

Spent mandrel container
adoptable for TAURUS® tools 1-4

TAURUS® 1-2 | TAURUS® 3-4 | PH-2000

TAURUS® 1-2 | TAURUS® 3-4

Swivel air connector

Counter eco

Flexible base
Optimized stability

for TAURUS® 1 | for TAURUS® 2

TAURUS®-SERIE

TAURUS® 1

No. 1457665

TECHNICAL DATA

Weight	1.3 kg
Operating air pressure	5-7 bar
Air hose connection	6 Ø (1/4")
Air consumption	approx. 1 liter per rivet
Setting force	5,500 N at 6 bar
Stroke	15.0 mm

WORKING RANGE

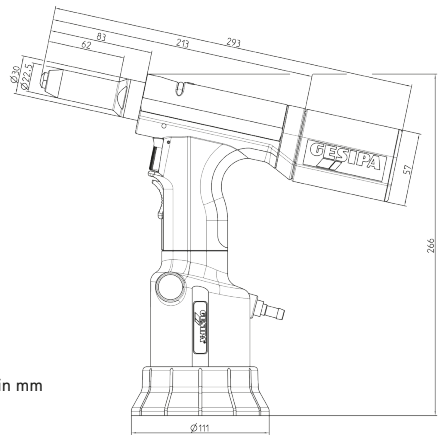
Ø mm

	2.4	3.0	3.2	4.0	4.8	5.0	6.0	6.4	8.0
AL									
Steel									
A2									
A4									

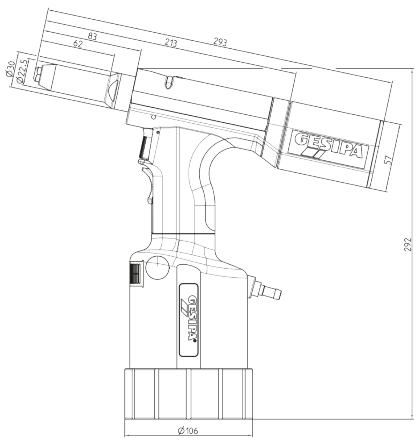
(max. mandrel Ø 2.5 mm)

SCOPE OF DELIVERY

Nosepieces: 17/18, 17/20 and 17/22, maintenance wrenches SW12/14, SW14/17, 1 bottle of hydraulic oil 100ml, 1 oil refill container, operating instructions



Dimensions in mm



TAURUS® 2

No. 1457771

TECHNICAL DATA

Weight	1.6 kg
Operating air pressure	5-7 bar
Air hose connection	6 Ø (1/4")
Air consumption	approx. 2.3 liter per rivet
Setting force	11,000 N at 6 bar
Stroke	18.0 mm

WORKING RANGE

Ø mm

	2.4	3.0	3.2	4.0	4.8	5.0	6.0	6.4	8.0
AL									
Steel									
A2									
A4									

(max. mandrel Ø 3.2 mm)

SCOPE OF DELIVERY

Nosepieces: 17/24, 17/27, 17/29 and 17/32, maintenance wrenches SW12/14, SW14/17, 1 bottle of hydraulic oil 100ml, 1 oil refill bottle, operating instructions

TAURUS® 3

No. 1457871

TECHNICAL DATA

Weight	1.9 kg
Operating air pressure	5-7 bar
Air hose connection	6 Ø (1/4")
Air consumption	approx. 4.8 liter per rivet
Setting force	18,000 N at 6 bar
Stroke	25.0 mm

WORKING RANGE

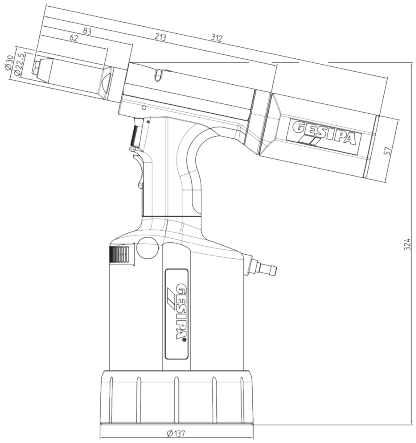
Ø mm

	2.4	3.0	3.2	4.0	4.8	5.0	6.0	6.4	8.0
AL									
Steel									
A2									
A4									

(max. mandrel Ø 4.3 mm)

SCOPE OF DELIVERY

Nosepieces: 17/36, 17/40 and 17/45, maintenance wrenches SW12/14, SW14/17, 1 bottle of hydraulic oil 100ml, 1 oil refill bottle, operating instructions



TAURUS® 4

No. 1457964

TECHNICAL DATA

Weight	2 kg
Operating air pressure	5-7 bar
Air hose connection	6 Ø (1/4")
Air consumption	approx. 4.8 liter per rivet
Setting force	23,000 N at 6 bar
Stroke	19.0 mm

WORKING RANGE

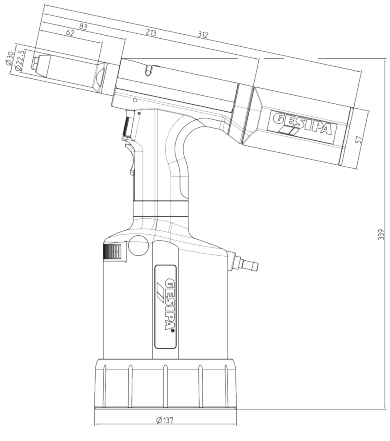
Ø mm

	2.4	3.0	3.2	4.0	4.8	5.0	6.0	6.4	8.0
AL									
Steel									
A2									
A4									

BULB-TITE® blind rivets up to 7.7 mm Ø of all materials (max. mandrel Ø 4.3 mm)

SCOPE OF DELIVERY

Nosepieces: 17/36, 17/40 and 17/45, maintenance wrenches SW12/14, SW14/17, 1 bottle of hydraulic oil 100ml, 1 oil refill bottle, operating instructions



TAURUS®-SERIE

TAURUS® 5

Basic tool

No. 1458002

TECHNICAL DATA

Weight	3.4 kg
Operating air pressure	5-7 bar
Air hose connection	6 Ø (1/4“)
Air consumption	approx. 6.9 liter per rivet
Setting force	42,000 N at 6 bar
Stroke	17.0 mm

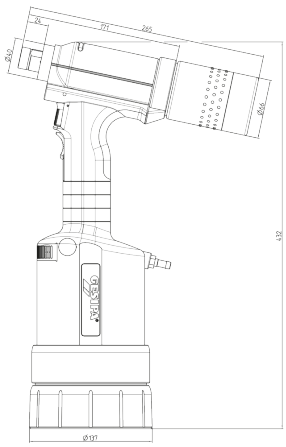
WORKING RANGE

Ø mm

Blind rivets over 6.4 mm Ø of all materials and lockbolts with corresponding pull head modules

SCOPE OF DELIVERY

1 bottle of hydraulic oil 100 ml, 1 oil refill bottle, operating instructions



TAURUS® 6

Basic tool

No. 1458022

TECHNICAL DATA

Weight	3.4 kg
Operating air pressure	5-7 bar
Air hose connection	6 Ø (1/4“)
Air consumption	approx. 6.9 liter per rivet
Setting force	50,000 N at 6 bar
Stroke	15.0 mm

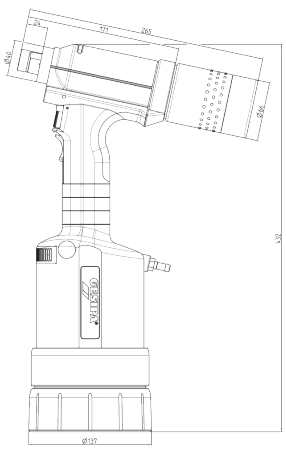
WORKING RANGE

Ø mm

Blind rivets over 6.4 mm Ø of all materials and lockbolts with corresponding pull head modules

SCOPE OF DELIVERY

1 bottle of hydraulic oil 100 ml, 1 oil refill bottle, operating instructions



Dimensions in mm

Lockbolts can be found at **page 145**.

NOSEPIECES

For long mandrels, special blind rivets and other challenges

The use of the correct nosepiece is essential for ensuring reliable riveting and a neat riveted joint. A large selection of standard and special nosepieces makes it possible to quickly adapt to various types of blind rivet. Even special versions are generally available on request. All nosepiece allocation data relate to DIN and GESIPA® blind rivets.

The name of the nosepiece (e.g. 17/32)can be found directly on the nosepiece.

NOSEPIECE ASSIGNMENT

D	Material	Nosepiece	No.
STANDARD			
2.4	Alu	17/18	**1434976**
3.2	CAP®-Alu, CAP®-Cu	17/18	**1434976**
3	Alu/Cu	17/20	**1434994**
3	Alu, Cu, Steel, Stainless steel, Stinox, Alu/Alu	17/22	**1435018**
3 and 3.2	Alu, Cu, Steel, Stainless steel, Stinox, PG-Alu, PG-Steel, PG-Stainless steel	17/24	**1434955**
4	Alu, Cu, CAP®-Alu, CAP®-Cu	17/24	**1434955**
4	Steel, Alu, PG-Alu	17/27	**1434973**
4	Stainless steel, Stinox, PG-Steel, PG-Stainless steel	17/29	**1434974**
4.8 and 5	Alu, CAP®-Alu, CAP®-CU, PG-Alu	17/29	**1434974**
4.8 and 5	Steel, Alu	17/32	**1434975**
4.8 and 5	Stainless steel, Stinox, PG-Steel, PG-Stainless steel, G-Bulb	17/36	**1434977**
6	Alu	17/36	**1434977**
6	Steel	17/40	**1434999**
6.4	Alu	17/40	**1434999**
6.4	Steel, Alu, Stainless steel, PG-Stainless steel, G-Bulb	17/45	**1434860**
BULB-TITE®			
4	Alu	17/26 BT	**1434985**
5.2	Alu	17/32 BT	**1434986**
6.3	Alu, Steel, Monel	17/42 BT	**1434988**
7.7	Alu	17/48 BT	**1434989**
MEGA GRIP®			
4.8	Alu, Steel, Stainless steel	17/31 MG	**1434993**
6.4	Alu, Steel, Stainless steel	17/41 MG	**1434865**
PLASTIC			
3	Plastic	17/30 K	**1434933**
4	Plastic	17/35 K	**1435824**
5		17/40 K	**1434998**

Extended nosepieces, special lengths and special nosepieces

SPARE PARTS / SPECIAL ACCESSORIES TAURUS® SERIES 1-4

SWIVEL AIR CONNECTOR
For the complete TAURUS® series in 1/8"

No. 1435479

SET OF JAWS (3 PCS.)

Patented jaw system for the complete TAURUS® series

No. 1435568

Jaws with long service life

No. 1541148

FLEXIBLE BASE FOR TAURUS® 1 AND 2

With the flexible base made from MBR and the larger surface area, the TAURUS® tools are standing even more stably.

T1 No. 1436394

T2 No. 1436371

SMALL JAW ASSEMBLY TAURUS® 1-2

The small jaw assembly is particularly suitable where rivet sites are difficult to access. The TAURUS® 1 with the small jaw assembly handles aluminium/steel blind rivets up to Ø 4 mm and steel/steel blind rivets up to Ø 3.2 mm. The small jaw assembly for the TAURUS® 2 handles aluminium/steel blind rivets up to Ø 5 mm and steel/steel blind rivets up to Ø 4 mm. The jaw assembly is 100 mm long and the diameter of the steel head sleeve is 18 mm.

T1 No. 1457705

T2 No. 1457846

SET OF JAWS (2 PCS.)

No. 1434071

Nosepieces to be used

NOSEPIECE	TAURUS® 1	TAURUS® 2
10/18	**1434055**	**1434055**
10/24	**1434061**	**1434061**
10/27	-	**1434062**
10/29	-	**1434064**

TOOL MOUNT FOR TAURUS® 1-4

For integration into automated systems or connection to handling modules.

*Device support not available individually. The tool is delivered pre-mounted on a new device or can be retrofitted on an existing device at the GESIPA® Walldorf site.

Can only be mounted by GESIPA®

No. 1435538*

PROTECTIVE SLEEVE

The plastic-dipped steel head sleeve protects sensitive workpiece surfaces (e.g. painted surfaces) from being scratched by the nosepiece or the steel head sleeve during riveting.

for **TAURUS® standard tools** **No. 1567289**

TRANSPARENT COLLECTING CONTAINER FOR TAURUS® 1-4

T1-T2 No. 1457744

T3-T4 No. 1457951

The classic residual mandrel collecting container in the TAURUS® series is also available in a transparent version.The transparent collecting container allows the amount of residual mandrels to be monitored constantly.

The transparent collecting container will be available in a small version for the TAURUS® devices 1-2 and a large version for the TAURUS® devices 3-4.

MANDREL EXTRACTION TUBE

For the full TAURUS® series

No. 1457864

By attaching a special-purpose hose nipple, the spent mandrel container can be replaced by the spent mandrel evacuation hose*. In stationary use, this can be of great advantage as frequent disposal is not required. The spent mandrels are collected in a container so that the work place remains clean and tidy, with no interruption to the work.

*The use of TAURUS® tools with a 1.5 m long evacuation hose requires permanent employment of the suction unit.

TAURUS® CONVERSION KIT

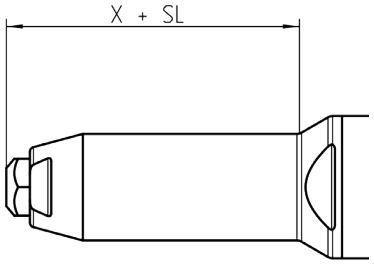
For conversion to the PH 2000 spent mandrel container (description and full offer on page 125).

T1 No. 1457700

T2-T4 No. 1457703

EXTENSION UNITS

Allows easy access to rivet sites which are difficult to reach.
The extension units are used for riveting sites which are situated low down or are difficult to access. We offer one-piece extension units of 35, 85, 135 and 185 mm length for the TAURUS® 1-4. The extension units consist of three parts.



The variable X can be found in the dimension drawings of the devices.

Dimension X = Standard steel head sleeve length (with standard nosepiece)

ONE-PIECE

Example: TAURUS® 1 + SL 35 mm

Steel head sleeve length =
62 mm (X) + SL 35 mm = 97 mm

TOOL	+35 mm	+85 mm	+135 mm	+185 mm
TAURUS® 1	**1464345**	**1464346**	**1464347**	-
TAURUS® 2	**1458042**	**1464350**	**1464351**	**1464352**
TAURUS® 3 and 4	**1457932**	**1457933**	**1457937**	**-**

TOOL	+ 50 mm	+ 100 mm
TAURUS® 1 with spring loaded trigger system	**1450880**	**1457727**
TAURUS® 2 with spring loaded trigger system	**1457857**	**1457858**
TAURUS® 3 and 4 with spring loaded trigger system	**1457959**	**1457960**

MULTI-PIECE

Example: TAURUS® 1 + SL 100 mm

Steel head sleeve length = 62 mm (X) + SL 100 mm = 162 mm
On TAURUS® 1-4 the steel head sleeve can be extended variably in steps of 100 mm.

TOOL	+100 mm
TAURUS® 1	**1457743**
TAURUS® 2	**1457848**
TAURUS® 3 and 4	**1457947**

ANGLE HEAD 90° AND ANGLE HEAD 90° COMPACT

The **angle head 90°** and the **angle head 90° compact** are designed for use in tight spaces. Its sturdy design allows it to apply large setting forces when setting blind rivets even in difficult of access work areas. The angle head 90° for TAURUS® 1-4 allows to set all Types of standard blind rivets up to Ø 6.4 mm all materials. The minimum edge clearance is 15 mm, the head length is 110 mm.

The angle head 90° compact for the TAURUS® 1 and 2 allows to set standard blind rivets of all Types of material up to 5 mm in diameter and alu/steel blind rivets up to 6 mm in diameter, depending on the tool Type. The minimum edge clearance is 12 mm, the head length is 90 mm. Both angle heads can be freely fixed in any position aroand the TAURUS® tensile axis (360° free rotation).

ANGLE HEAD 90° for TAURUS® 1-4

TECHNICAL DATA

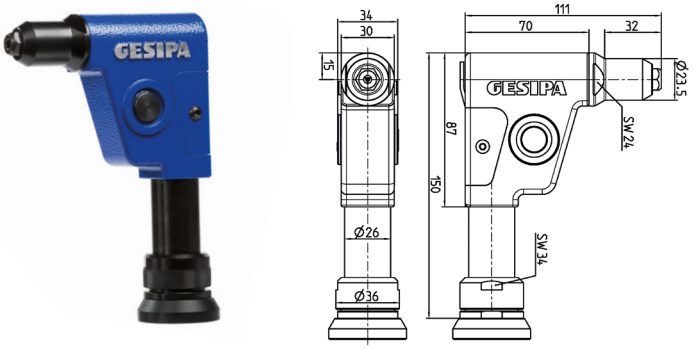
Weight:	1.1 kg
Stroke:	19 mm (TAURUS® 1,2 and 4)
Stroke:	21 mm (TAURUS® 3)
Traction power:	up to 20 kN
(max. mandrel Ø 4,5 mm)	

SCOPE OF DELIVERY

Nosepiece 17/45 WK

Jaws up to rivet-Ø 4mm (Nosepiece 17/24)

Dimensions in mm



TAURUS® 1, 2, 4 **No. 1559513**

TAURUS® 3 **No. 1559512**

JAWS (3 PARTS) for TAURUS® 1-4

rivet-Ø 4.0 mm up to Ø 6.4 mm of all materials,

No. 1434173

rivet-Ø 2.4 mm up to 4 mm (Nosepiece 17/24)

No. 1434958

ANGLE HEAD 90° COMPACT for TAURUS® 1-2

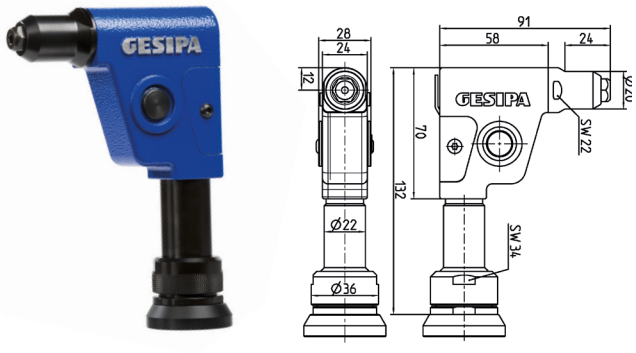
TECHNICAL DATA

Weight:	0.7 kg
Stroke:	18 mm
Traction power:	up to 10 kN
(max. mandrel Ø 3,2 mm)	

SCOPE OF DELIVERY

Nosepieces: 17/36

Dimensions in mm



TAURUS® 1, 2 **No. 1457921**

JAWS (3 PARTS) for TAURUS® 1-2

No. 1434958

TAURUS® VERSIONS

A wide variety of options means higher flexibility. All of the TAURUS® varieties are customized and designed and made to fit the application. Please contact our team from the Technical Sales department should you require individual advice or have any further queries or need information on prices.

TAURUS® 2/K

No. 1457804

The TAURUS® 2/K has been designed for setting plastic rivets. In its functionality the TAURUS® 2/K is identical to the standard tool, however has a stroke of 24 mm instead of 18 mm. Plastic rivets only need a low setting force, however, normally require large setting strokes due to the toughness of the plastic material. The TAURUS® 2/K allows to safely set plastic rivets with only one setting stroke! The TAURUS® 2/K comes with 3 nose pieces for plastic rivets 17/30 K, 17/35 K and 17/40 K included.

TECHNICAL DATA

Strength:	24 mm
Tensile strength:	8,400 N

WORKING RANGE

Blind rivets plastic from 4 up to 6 mm Ø.

SCOPE OF SUPPLY

Nosepieces 17/30K; 17/35K; 17/40K

TAURUS® 2/AS

No. 1457794

The TAURUS® 2/AS is a special version of theTAURUS® 2 with a VAS slide switch which does not engage when in its highest position, thus achieving that vacuum absorption is automatically deactivated once the tool is not in use. This way, unintentional activation of the vacuum absorption with unnecessary air consumption can be effectively avoided.

Other TAURUS® sizes upon request.

TAURUS® 2/24

No. 1457803

As far as technology and functionality are concerned, the TAURUS® 2/24 is identical to the standard tool, however has a stroke of 24 mm instead of 18 mm. This tool provides the advantage of being able to safely set critical rivet Types requiring a large setting stroke with only one setting stroke without re-engagement. This applies, for example, to our BULB-TITE® or similar rivets.

TECHNICAL DATA

Strength:	24 mm
Tensile strength:	8,400 N

WORKING RANGE

Blind rivets up to Ø4 mm all materials, Ø5 mm steel; Ø 6 mm alu.

TAURUS® 1-4 WITH COUNTER DEVICE

TAURUS® 1-4 (with counter device)

The TAURUS® series 1-4 with counter device – detects and counts the spent mandrels

The tools are equipped with a sensor which detects and counts the spent mandrels after the setting process has been finished. The sensor is positioned on the tool head in front of the spent mandrel container.

For a completely independent workstation, the amplifier GRivAmp can be used for processing and analysing the signals.

For retrofitting existing tools a conversion kit suitable for all TAURUS® Types (except TAURUS® with PH 2000 spent mandrel container) is available:

Conversion kit TAURUS® 1 with sensor*
No. 1457698

Conversion kit TAURUS® 2-4 with sensor*
No. 1516858

GRiv-Amp
No. 1457699

*It is an *inductive sensor* that can work with aluminium mandrels or stainless steel mandrels, but does NOT work with plastic rivets. In the case of aluminium or stainless steel mandrels, GESIPA Service must be contacted beforehand

Power supply (24 V) is to be provided on site.

TAURUS® 1-4 WITH COUNTER ECO

TAURUS® 1-4 with counter – the cost-effective variant for monitoring the number of setting strokes

In contrast to the TAURUS® with counter, the eco counter only counts the number of setting strokes and not the spent mandrels. The sensor is fitted on the air cylinder. The counter is not available on its own. It is supplied mounted on a new tool or it can be retrofitted at the Walldorf factory.

Retrofit kit for the eco counting device

TOOL	No.
TAURUS® 1	**1450892**
TAURUS® 2	**1450933**
TAURUS® 3	**1450963**
TAURUS® 4	**1450993**

*eco counting device is not available separately. It can be retrofitted to an existing tool at the Walldorf plant or in a qualified GESIPA® workshop.

Can only be mounted by GESIPA®.

The TAURUS® series 1-4 in axial version – for special applications

TAURUS® 1-4 AXIAL

TECHNICAL DATA

Operating pressure:	5 to 7 bar
Air hose connection:	6 mm (1/4“)
Noise emission:	max. 79 dB
Vibrations:	< 2.9 m/s²
Weight:	
TAUREX 1 Axial compact	3.1 kg
TAUREX 2 Axial compact	3.4 kg
TAUREX 3 Axial compact	3.7 kg
TAUREX 4 Axial compact	4.1 kg

APPLICATIONS

The special pistols of TAURUS® Axial offer the option of installation in production systems and simultaneously allow flexible and handheld ergonomic work in applications with restricted accessibility that require a vertical, downwards oriented riveting action.

In order to ensure that no gap is left between the components to be riveted and the setting head effectively makes contact with the application, the TAURUS® Axial can be additionally supplied with a spring loaded-trigger system. A compressed air supply is additionally required for reliable mandrel evacuation. Depending on the application, this is preferably achieved via the balancer with valve or the time delay valve.

WORKING RANGE

- → Processing blind rivets up to 6.4 mm Ø all materials and up to 8 mm Ø alu (max. mandrel dia. 4.5 mm)
- → Same performance and technical data as the respective individual units in the TAURUS® series 1-4

ADVANTAGES

- → Pressure transducer attached in a space-saving manner directly to the device, i.e. also for applications in tight spaces
- → Technical design close to the TAUREX Axial
- → Also perfectly designed for fixed installation in production lines or semi-automatic workstations
- → Very practical for processing blind rivets in positions that require a vertical rivet setting process
- → The tool can be equipped with almost all TAURUS® series options: e.g. extension units, blind rivet counter, spring loaded trigger system and remote control
- → The handle in the rivet axis allows ergonomic work – especially in vertical applications
- → Can be suspended on a balancer

TOOL	No.
TAURUS® 1 Axial	**1457682**
TAURUS® 2 Axial	**1457795**
TAURUS® 3 Axial	**1457893**
TAURUS® 4 Axial	**1450981**
TAURUS® 1 Axial with spring-loaded trigger system	**1457683**
TAURUS® 2 Axial with spring-loaded trigger system	**1457796**
TAURUS® 3 Axial with spring-loaded trigger system	**1457894**
TAURUS® 4 Axial with spring-loaded trigger system	**1450982**

145

The TAURUS®-series 1-4 in axial version – the cost-efficient introductory version for special applications

TAURUS® 1-4 AXIAL ECO

TECHNICAL DATA

Operating air pressure:	5 to 7 bar
Air hose connection :	6 mm (1/4")
Noise emission:	max. 79 dB
Vibrations:	< 2.9 m/s²
Weight:	
TAURUS® 1 Axial eco	2.0 kg
TAURUS® 2 Axial eco	2.3 kg
TAURUS® 3 Axial eco	2.6 kg
TAURUS® 4 Axial eco	3.0 kg

APPLICATIONS

Analog to the TAURUS® 1-4 Axial

WORKING RANGE

Analog to the TAURUS® 1-4 Axia

ADVANTAGES

Analog to the TAURUS® 1-4 Axial

ADDITIONAL ADVANTAGES

- → Cost-efficient basic version
- → Integrated mandrel evacuation for disposal of the spent mandrel

TOOL	No.
TAURUS® 1 Axial eco	**1457676**
TAURUS® 2 Axial eco	**1457798**
TAURUS® 3 Axial eco	**1457898**
TAURUS® 4 Axial eco	**1457980**
TAURUS® 1 Axial eco with spring-loaded trigger system	**1457677**
TAURUS® 2 Axial eco with spring-loaded trigger system	**1457799**
TAURUS® 3 Axial eco with spring-loaded trigger system	**1457899**
TAURUS® 4 Axial eco with spring-loaded trigger system	**1457981**

TAURUS® 1-4 C AV -with integrated setting process monitoring

TAURUS® 1-4 C WINTECH

TAURUS® C 1-4 (with setting process monitoring)

Setting process monitoring is achieved by direct real-time analysis of traction force and traction course recorded during the setting of the rivet. All system components necessary for this operation are integrated in the tools. Analysing a setting process takes less than 1 µs.The results are directly shown by a green or red LED installed in the tool base and optionally by an acoustic signal. In addition to this individual analysis the system also provides collective analysis for the complete workpiece. The tool stores more than 260,000 setting process data which can be retrieved at any time.

The system also identifies failure patterns and memorizes them for failure analysis and troubleshooting. The tools can be operated as stand-alone devices or as integrated part of a customer´s production system via the GESIPA® interface.

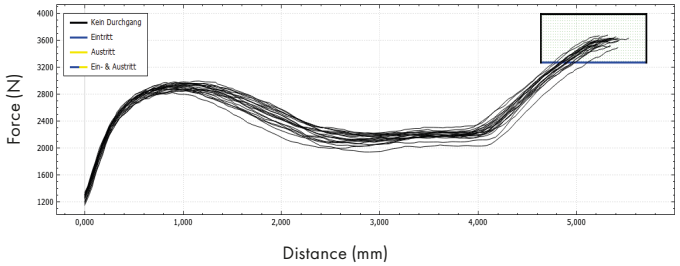
MQTT

No. 1634326 **Interface 4.0 Universal**

No. 1814433 **Interface 4.0 Profinet** NEW

HIGH-GRADE GESIPA® BLIND RIVET WITH MINIMAL SCATTER:

- → Minimal scatter of the graphs
- → All graphs end in the break-off window
- → 20x OK riveting



WinTech – multi-window technology with up to three assessment windows

Ideal for demanding joining technology used for safety components such as in the aviation industry. The basis for monitoring the WinTech setting process is the tried and tested TAURUS® C. The setting process is evaluated with the aid of position and force sensors as well as integrated electronic circuitry. Up to three evaluation windows can be configured with special setup software. A coloured LED on the tool shows the result of setting process monitoring. With a data line, the values can also be recorded and further processed.

Consultation, price and delivery time on request

APPLICATION

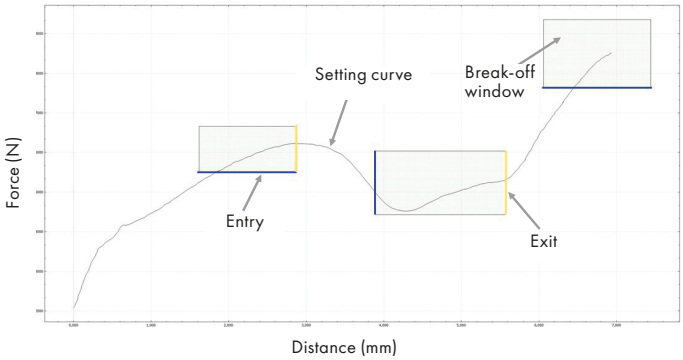
In the production of critical components as well as in automatic setting processes, the TAURUS® C can facilitate monitoring and documentation of the results.

ADVANTAGES

- → High process reliability
- → Documentation of each individual setting operation
- → Less scrap as faults are detected immediately
- → Avoidance of additional costs/quality costs due to NOK parts
- → The customer can configure how to enter and exit the assessment window
- → Flush-break rivets (MEGA GRIP®) can also be monitored

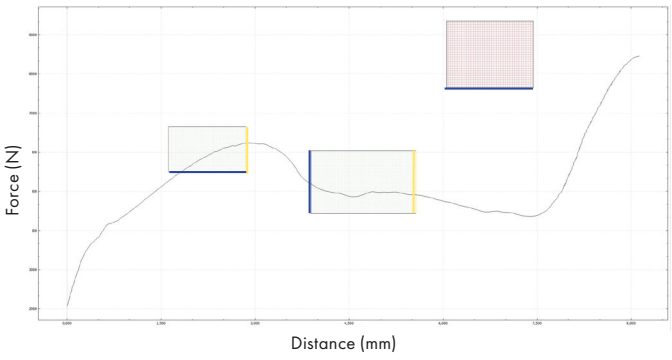
EXAMPLE OF OK PROCESS

Window entry and exit at customer-defined positions



EXAMPLE OF NOT OK PROCESS

Material to be joined too thin due to missing component



The whole TAURUS® series with remote pressure transducer – for even more flexibility, versatility and ergonomy

TAUREX 1-6

Now with even more flexible hose

COMMON TECHNICAL DATA

Operating air pressure:	5 to 7 bar
Air hose connection:	6 mm (1/4")
Noise emission:	max. 79 dB
Vibrations:	< 2.9 m/s²

WORKING RANGE

- All blind rivets and lockbolts up to a mandrel breaking force of 50 kN
- Same performance and technical characteristics as the respective individual units in the TAURUS® series 1-4, 5-6 with different stroke
- 3 metres hose length between pressure transducer and setting pistol

ADVANTAGES

- Low weight of the hand held tool
- Tubing connection with quick-connect feature (upon request) on the pressure transducer side:
- No oil leak and no air bleeding
- Ideally suited for setting of blind rivets and lockbolts in poorly accessible locations
- Also perfectly designed for fixed installation in production lines or semi-automatic workstations
- Can be combined with almost all supplements and options of the TAURUS® series: head extensions, mandrel containers, rivet counting units, process control, pressure trigger and remote control

TOOL	No.
TAUREX 1	**1458025**
TAUREX 2	**1458031**
TAUREX 3	**1458044**
TAUREX 4	**1458058**
TAUREX 5*	**1458060**
TAUREX 6*	**1458062**

*TAUREX 5 and 6 tools must be equipped with heads that are specially designed for their application field. Production on request.

The TAURUS® series 1-4 with remote mounted pressure transducer in axial version – making it more flexible, versatile and ergonomic

TAUREX 1-4 AXIAL

TECHNICAL DATA

Operating air pressure:	5 to 7 bar
Air hose connection:	6 mm (1/4")
Noise emission:	max. 79 dB
Vibrations:	< 2.9 m/s²
Weight:	
TAUREX 1 Axial	2.4 kg
TAUREX 2 Axial	2.7 kg
TAUREX 3 Axial	3.0 kg
TAUREX 4 Axial	3.1 kg

APPLICATIONS

The TAUREX Axial is a particular advantage in restricted spaces due to the separate pressure transducer mounted in the working direction. The special pistols of TAUREX Axial offer the option of installation in production systems and simultaneously allow flexible and handheld ergonomic work in applications with restricted accessibility that require a vertical, downwards oriented riveting action. In order to ensure that no gap is left between the components to be riveted and the setting head effectively makes contact with the application, the TAUREX Axial can be additionally supplied with a spring-loaded trigger system. **It is essential to use an external suction system with the TAUREX Axial!**

A compressed air supply is additionally required for reliable mandrel evacuation. Depending on the application, this is preferably achieved via the balancer with valve or the time delay valve.

WORKING RANGE

- → Sets blind rivets up to 6.4 mm Ø all materials and up to 8 mm Ø alu (max. mandrel dia 4.5 mm)
- → Same performance and technical data as the respective TAURUS® series 1-4
- → 3 metre hose length between pressure transducer and setting pistol

ADVANTAGES

- → Also perfectly designed for fixed installation in production lines or semi-automatic workstations
- → Very practical for processing blind rivets in positions that require a vertical rivet setting process
- → Low weight of the hand held tool
- → Tubing connection with quick-connect feature (upon request) on the pressure transducer side: No oil leak and no air bleeding
- → The tool can be equipped with almost all TAURUS® series options: e.g. extension units, blind rivet counter, spring loaded trigger system and remote control
- → The handle in the rivet axle allows ergonomic work – especially in vertical applications
- → Can be suspended on a balancer

TOOL	No.
TAUREX 1 Axial	**1458026**
TAUREX 2 Axial	**1458032**
TAUREX 3 Axial	**1458047**
TAUREX 4 Axial	**1451019**
TAUREX 1 Axial with spring-loaded trigger system	**1451002**
TAUREX 2 Axial with spring-loaded trigger system	**1458033**
TAUREX 3 Axial with spring-loaded trigger system	**1451016**
TAUREX 4 Axial with spring-loaded trigger system	**1451020**

The TAURUS® series 1-4 with an axial pressure transducer mounted directly on the device – for use in tight working spaces

TAUREX 1-4 AXIAL COMPACT

TECHNICAL DATA

Operating pressure:	5 to 7 bar
Air hose connection:	6 mm (1/4")
Noise emission:	max. 79 dB
Vibrations:	< 2.9 m/s²
Weight:	
TAUREX 1 Axial compact	3.1 kg
TAUREX 2 Axial compact	3.4 kg
TAUREX 3 Axial compact	3.7 kg
TAUREX 4 Axial compact	4.1 kg

APPLICATIONS

The TAUREX Axial compact is a particular advantage in enclosed spaces due to the pressure transducer mounted close and parallel to the tool's axis. The special pistols of TAUREX Axial compact offer the option of installation in production systems and simultaneously allow flexible and handheld ergonomic work in applications with restricted accessibility that require a vertical, downwards oriented riveting action. In order to ensure that no gap is left between the components to be riveted and the setting head effectively makes contact with the application, the TAUREX Axial compact can be additionally supplied with a spring-loaded trigger system.

WORKING RANGE

Processing blind rivets up to 6.4 Ø all materials and up to 8 mm Ø alu (max. mandrel dia. 4.5 mm)
Same performance and technical data as the respective individual units in the TAURUS® series 1-4

ADVANTAGES

- → Pressure transducer attached in a space-saving manner directly to the device, i.e. also for applications in tight spaces
- → Technical design close to the TAUREX Axial
- → Also perfectly designed for fixed installation in production lines or semi-automatic workstations
- → Very practical for processing blind rivets in positions that require a vertical rivet setting process
- → The tool can be equipped with almost all TAURUS® series options: e.g. extension units, blind rivet counter, springloaded trigger system and remote control
- → The handle in the rivet axis allows ergonomic work – especially in vertical applications.
- → Can be suspended on a balancer

TOOL	No.
TAUREX 1 Axial compact	**1451003**
TAUREX 2 Axial compact	**1458034**
TAUREX 3 Axial compact	**1458048**
TAUREX 4 Axial compact	**1458059**
TAUREX 1 Axial compact with spring-loaded trigger system	**1458027**
TAUREX 2 Axial compact with spring-loaded trigger system	**1458035**
TAUREX 3 Axial compact with spring-loaded trigger system	**1458049**
TAUREX 4 Axial compact with spring-loaded trigger system	**1451022**

TAURUS® 1-4 WITH SPRING-LOADED TRIGGER SYSTEM

The spring-loaded trigger system ensures that the components which are to be riveted are reliably placed one on top of the other gapfree prior to the riveting process. Furthermore, this ensures that the blind rivet reaches its end position in the bore prior to the setting process and that the setting head is in the right position. The pressure force can be variably applied depending on the application. The spring-loaded trigger system cannot be retrofitted but is supplied completely attached.

TAURUS® 1 with spring-loaded trigger system
No. 1457680

TAURUS® 2 with spring-loaded trigger system
No. 1457778

TAURUS® 3 with spring-loaded trigger system
No. 1435869

TAURUS® 4 with spring-loaded trigger system
No. 1457965

New feature:
Adjustable range from 15 to 75 N / Guaranteed easy-to-apply contact / force by use of springs

TAURUS® 1-4 WITH PH2000 SPENT MANDREL CONTAINER

The fixed mounted, large PH 2000 mandrel container is very sturdy and particularly suited to long mandrels from 50 to 70 mm in length. The container fits all TAURUS® versions 1 to 4.

TAURUS® 1 with PH 2000 spent mandrel container
No. 1457669

TAURUS® 2 with PH 2000 spent mandrel container
No. 1457780

TAURUS® 3 with PH 2000 spent mandrel container
No. 1457878

TAURUS® 4 with PH 2000 spent mandrel container
No. 1457970

127 You will find the corresponding conversion kits on **page 127**

TAURUS® TOOLS FOR STATIONARY USE IN PRODUCTION SYSTEMS

The TAURUS® tools can be integrated as stationary units in automatic production systems and operated by remote control, if required. As an option, a low-pressure connection can be used to detect the blind rivet in the nosepiece.

If required, the spent mandrel can be disposed of by means of an evacuation tube and also monitored by a sensor. In stationary production systems, several tools can be operated automatically and in parallel in order to achieve the highest possible level of efficiency.

PH 2

Pneumatic-hydraulic blind rivet setting tool

No. 1456771

TECHNICAL DATA

Weight	1.3 kg
Operating air pressure	5-7 bar
Air hose connection	6 Ø (1/4")
Air consumption	approx. 1.8 liter per rivet
Setting force	8,800 N at 6 bar
Stroke	15.0 mm

WORKING RANGE

Ø mm

	2.4	3.0	3.2	4.0	4.8	5.0	6.0	6.4	8.0
AL									
Steel									
A2									
A4									

Blind rivets from Ø2.4mm to Ø3.2mm only with small chuck.
Not suitable for setting CAP® stainless steel blind rivets.

SCOPE OF DELIVERY

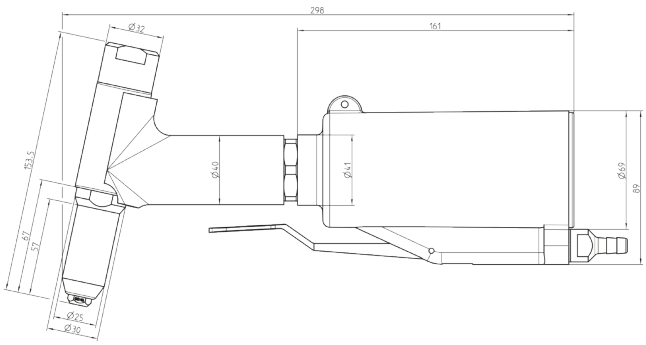
Nosepieces: 16/24, 16/27, 16/29, 16/32 and 16/36, 1 set of jaws, 1 spent mandrel container, 1 maintenance wrench and operating instructions

ADVANTAGES

- → Aluminium hydraulic head with wear-resistant cylinder surface
- → Pneumatic cylinder made of die-cast aluminium
- → Pistons made of hardened steel and hard chrome plated – smooth-running and wear-resistant
- → Compact seals are wear-resistant with a high wiping effect for a long service life
- → Quick exhaust valve for fast return and a high work sequence
- → Quiet pneumatic switch
- → Simple, low-fault valve structure
- → 360° adjustable hydraulic head
- → Favourable centre of gravity and handle design for fatigue-free handling

JAWS (3-parts)

No. 1434103



Dimensions in mm

150

PH 2-VK

Pneumatic-hydraulic blind rivet setting tool

No. 1456774

TECHNICAL DATA

Weight	1.3 kg
Operating air pressure	5-7 bar
Air hose connection	6 Ø (1/4")
Air consumption	approx. 1.8 liter per rivet
Setting force	6,200 N at 6 bar
Stroke	14.0 mm

WORKING RANGE

Ø mm

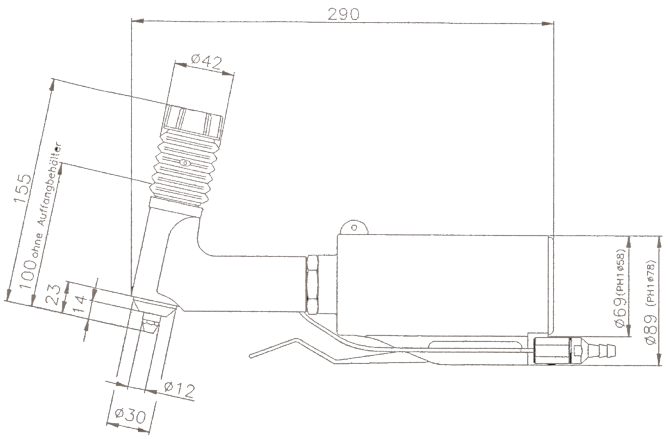
	2.4	3.0	3.2	4.0	4.8	5.0	6.0	6.4	8.0
AL									
Steel									
A2									
A4									

SCOPE OF DELIVERY

Nosepieces: 10/18, 10/24 and 10/27, 1 collection container, 1 maintenance wrench and operating instructions.

ADVANTAGES

→ The shortened pistol head makes the PH 2-VK ideal for hard-to-reach areas/riveting points.



JAWS (2-parts)

No. 1434071

Dimensions in mm

150

PH-AXIAL

Pneumatic-hydraulic blind rivet setting tool

No. 1458063

TECHNICAL DATA

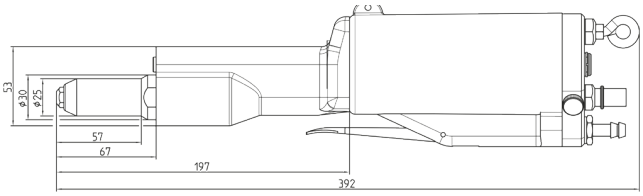
Weight	1.8 kg
Operating air pressure	5-7 bar
Air hose connection	6 Ø (1/4")
Air consumption	approx. 1.8 liter per rivet
Setting force	8,800 N at 6 bar
Stroke	15.0 mm

WORKING RANGE

Ø mm

	2.4	3.0	3.2	4.0	4.8	5.0	6.0	6.4	8.0
AL									
Steel									
A2									
A4									

Ø 2.4 - 3.2 only with small jaw assembly, not suitable for CAP® blind rivets in stainless steel.



Dimensions in mm

SCOPE OF DELIVERY

Nosepieces: 16/24, 16/27, 16/29 and 16/32 jaw pusher with reducing tube for 4 mm Ø aluminium and copper blind rivets extractor hose with union for broken mandrels operating instructions with spare parts list

ADVANTAGES

- → Pneumatic cylinder and hydraulic head with gripper mechanism arranged axially one behind the other: easy and convenient handling when used vertically in table assembly stations
- → Integrated blind rivet suction and mandrel ejection system: no retrofitting required and safe removal of the torn-out mandrels via a hose into a central container
- → Hydraulic head made of aluminium with a wear-resistant cylinder surface
- → Pneumatic cylinder made of die cast aluminium
- → Working piston made of hardened and hard chrome-plated steel makes the tool smooth-running and wear-resistant
- → Compact seals are wear-resistant with a high scraping effect; long service life
- → Quick ventilation system: fast return; high work sequence
- → Quiet pneumatic switch
- → Simple, low-fault valve

JAWS (3-parts)

No. 1434103

150

HEAD MODULES FOR TAURUS® 5-6 AND TAUREX 5-6

Adaption takes priority
The TAURUS® 5 and 6 riveting tools must be adapted to the different kinds of rivets and lockbolts through specific pulling head modules

The suitability of nosepiece and fastener needs to be tested by the user and is user's own responsibility!

Head module for 7.8 mm Titgemeyer TIBULB*

No. 1458008

Head module for 9.8 mm Huck Magna-Lok®*

No. 1458009

* partly registered trademarks of TITGEMEYER GmbH & Co. KG or Huck International Inc.

Other head modules on request.

BALANCER

for all TAURUS® 1-4-Axial- and TAUREX 1-4-Axial tools

To cover various requirements, two balancer models for suspending the TAURUS® Axial tools are available. If the tube for evacuating the spent mandrel can be kept very short, no external mandrel evacuation assistance is necessary which means a balancer without valve is sufficient.

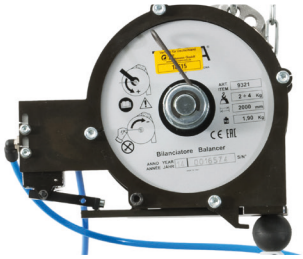
However, if due to the tube length external evacuation assistance of the mandrel becomes necessary it can be switched on and off by means of the valve balancer in order to save cost-intensive compressed air.

Balancer without valve

No. 1434734

BALANCER WITH DISCONNECTING VALVE

The balancer with disconnecting valve is used when the blind rivet is to be inserted into the tool. In this case the valve interrupts the compressed air necessary to generate negative pressure when in its highest position.



Balancer with disconnecting valveil

No. 1457733

INTERFACE 4.0 FOR CONNECTION TO EXTERNAL CONTROLLERS

The communication interface between the GESIPA® tools and the PLC interface.
For all GESIPA® blind riveting tools with process monitoring.

INTERFACE 4.0 UNIVERSAL

No. 1634326

Suitable for iBird® Pro CL | FireFox® C | FireRex® C | TAURUS® C | GAV 8000 electronic and eco

- → 16 digital inputs and outputs for controlling a riveting tool
- → Graphic output via screen (DVI) and local text display
- → Connection of mouse and keyboard possible (USB)
- → WiFi access point
- → Remote access (VNC) for operation, visualisation and maintenance via network
- → WiFi for coupling with up to three iBird® Pro CL
- → MQTT for controlling iBird® Pro CL
- → MQTT for outputting the setting results (iBird® Pro CL and C devices)
- → RS232 for outputting the setting results (GAV 8000 electronic and C devices)

INTERFACE 4.0 PROFINET PN

NEW

No. 1814433

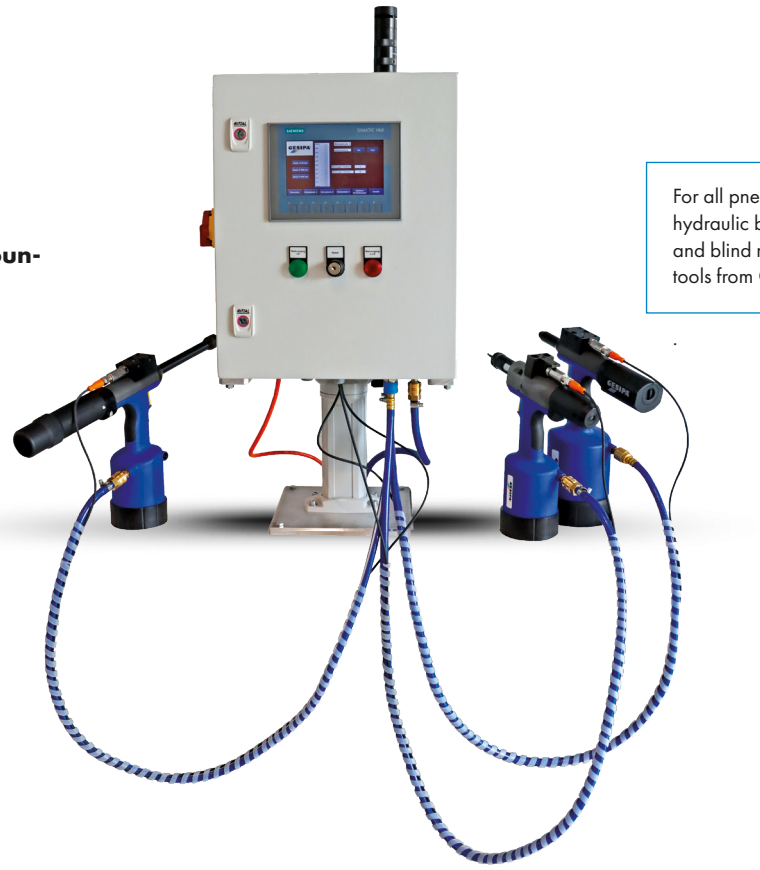
Suitable for FireFox® C | FireRex® C | TAURUS® C | GAV 8000 electronic und eco

- → PROFINET for controlling a riveting tool and for transferring data to the customer PLC
- → 16 freely available digital inputs and outputs can be used as decentralised peripherals
- → Device-specific control
- → Transmission of setting results
- → Status and error code query
- → Graphic output via screen (DVI) and local text display
- → Connection of mouse and keyboard possible (USB)
- → WiFi access point
- → Remote access (VNC) for operation, visualisation and maintenance via network

MULTISWITCH

The MultiSwitch switching cabinet system closes the gap between counting devices and process control

No. 1774279



For all pneumatic-hydraulic blind rivet and blind rivet nut tools from GESIPA®!

The device enables monitoring of the minimum setting force and the number of connectors set. This system can be realised with any pneumatic hydraulic GESIPA® setting tool. It is irrelevant whether blind rivets, blind rivet nuts or a combination of various connectors are being processed here.

Up to three tools can be operated with the ***MultiSwitch***. These tools can also be used repeatedly during a process cycle. Naturally, customer-specific software adaptations are possible.

The system is made possible thanks to an oil pressure sensor on the relevant tool, on the mounting of which an additional device mounting can be attached. As a result, reliable monitoring of the connector to be processed and the minimum setting force is guaranteed. All pneumatic hydraulic GESIPA® tools can be equipped with this oil pressure sensor.

GESIPA® tools can be ordered ex works with one of these oil pressure sensors, and we are happy to retrofit existing GESIPA® tools with a sensor of this kind.

If the hydraulic pressure stays within a previously defined window of values, the process is classified accordingly as „OK", otherwise as „not OK". This is shown by green and red indicator lights. In addition, an adjustable acoustic signal can indicate that the set number of connectors has been reached or that the entire component has been completed. It is possible to distinguish between the various tools with colour labelling or numbering. This colour labelling is also reflected in the representation of the display. This means that it is possible to clearly assign the tool currently active to the display.

Do you have any questions or need more information? Please contact Uwe Herth, Head of Automated Solutions:
uwe.herth@gesipa.com

UNIVERSAL NOSEPIECE – 16

for blind rivet tools HN 2, PH 2, PH 2000

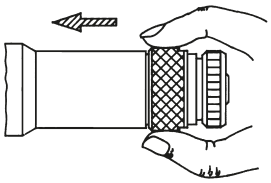
The universal nosepiece replaces five nosepiece sizes. The integrated rotary star in the steel sleeve can be unlocked easily without tools in order to select the appropriate size of nosepiece.

WORKING RANGE
Blind rivets from 2.4 up to 5 mm Ø alu, copper and steel and up to 4 mm Ø stainless steel.

OPERATION
Operate the tool and hold trigger, then push back adjusting ring to end position (1).
By turning the rotary star (2).

No. 1456776

(1)



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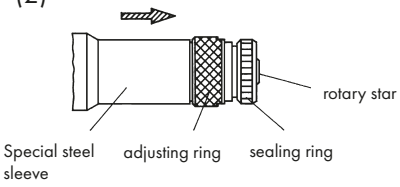


The universal nosepiece includes: Special steel sleeve, complete adjusting ring, rotary star and sealing ring.

VAS Vacuum absorption system for PH2

This device absorbs the spent mandrel after the riveting operation and transports it automatically into the mandrel container. A further advantage is offered when the rivet, inserted into the nosepiece, is held in the jaw mechanism even if the tool head is in the vertical downwards position. The vacuum absorption device is available as a complete built-in and can also be retrofitted to existing GESIPA® riveting power tools at any time.

TECHNICAL DATA

Weight of kit:	430 g
Operating air pressure:	4-6 bar

SCOPE OF DELIVERY
1 air deflector
1 wrench MSU
Maintenance instructions with spare parts list

No. 1457579

SMALL JAW ASSEMBLY FOR PH 2, PH-AXIAL

With reduced head diameter (18 mm) and 2 part jaws.

Working range
2.4 mm Ø up to 3.2 mm Ø all materials
Scope of supply
Standard: nosepiece 10/24 (optional also with nosepiece 10/18.10/27, 10/29, 10/32)

PH 2
No. 1456783

PH Axial
No. 1458075

ANGLE HEAD FOR PH2 for setting rivets in places with difficult access and in corners

Working range
Blind rivets from Ø 2.4 mm up to Ø 4 mm all materilas, steel up to Ø 5 mm. (max. mandrel Ø 3 mm)

Angle head for PH2 with 3 part jaws
No. 1456612

MULTI-PIECE EXTENSION UNIT for riveted joints in low-lying places.
Screwed in between the device and the existing steel case

Total length = steel head sleeve + extension + standard nosepiece

PH tools
The total length of the steel head sleeve, including the extension unit, is 157 mm for 100 mm.

TOOL	100 mm
PH 2	1456779

CALIBRATION DEVICE
The GESIPA® calibration device for calibrating and adjusting process-controlled blind rivet and blind rivet nut tools. The DAKKS laboratory-certified device is suitable for all GESIPA® WinTech tools.

No. 1666178

TIME DELAY VALVE
The time delay valve on the other hand is used when the blind rivet is to be inserted into the part. During the rivet setting procedure, the valve activates the compressed air required to create a vacuum and shuts it off after a set time.

Time delay valve

No. 1450893

SPECIAL STEEL SLEEVE AF 20/AF 30 FOR TAURUS®SERIES
With reduced steel sleeve diameter to overcome installation space limitations.

Working capacity
All materials in all diameters

AF 20: TAURUS® 1-4

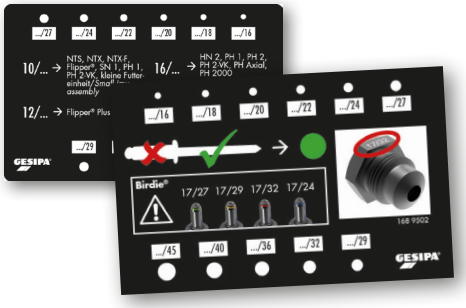
No. 1458001

AF 30: TAURUS® 5-6

No. 1608786

NOSEPIECE ALLOCATION CARD

You can also use our nosepiece allocation card. This makes it easier to select the correct nosepiece for the respective tools.



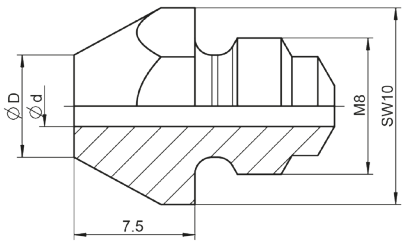
No. 1689502

NOSEPIECES STANDARD + SPECIAL LENGTH

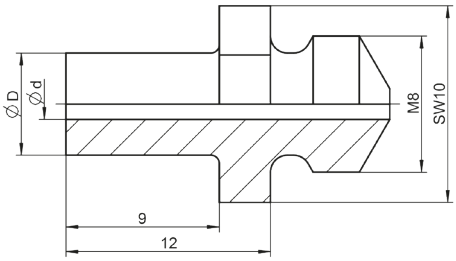
NTS, NTX, NTX-F, Flipper®, PH 2-VK

Ø	Material	Ø d	Ø D	Standard	No.	V (9mm)	No.
2.4	Alu	1.6	6.0	10/16	**1434054**		
2.4	Alu	1.8	6.0	10/18	**1434055**	V-10/18	**1434096**
3.2	CAP®-Alu, CAP®-Copper	1.8	6.0	10/18	**1434055**	V-10/18	**1434096**
3 and 3.2	Alu, Cu, Steel, Stainless steel, Stinox, Alu/Alu, PG-Alu, PG-Steel	2.4	6.0	10/24	**1434061**	V-10/24	**1434097**
4	Alu, Cu	2.4	6.0	10/24	**1434061**	V-10/24	**1434097**
4	Steel, CAP®-Alu, CAP®-Cu, Alu/Alu, PG-Alu	2.7	6.0	10/27	**1434062**	V-10/27	**1434098**
4	Stainless steel, Stinox, PG-Steel	2.9	8.0	10/29	**1434064**	V-10/29	**1434099**
4.8	CAP®-Alu, CAP®-Cu	2.9	8.0	10/29	**1434064**	V-10/29	**1434099**
4.8 and 5	Alu, PG-Alu	3.2	8.0	10/32	**1434065**	V-10/32	**1434100**
4	Plastic	3.0	-	10/30 K	**1434092**	-	**-**
5	Plastic	3.5	-	10/35 K	**1434093**	-	**-**
6	Plastic	4.0	-	10/40 K	**1434094**	-	**-**

Standard version
10/..... Nosepieces



Extended version (9mm)
V-10/.....Nosepieces



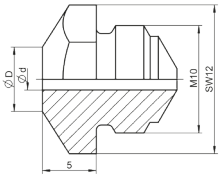
The name of the nosepiece (e.g. 17/32) can be found directly on the nosepiece.

NOSEPIECES STANDARD

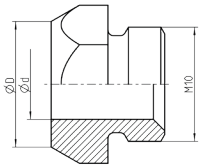
Flipper® Plus

Ø	Material	Ø d	Ø D	Standard	No.
2.4	Alu	2.0	6.0	12/20	**1572920**
3.2	CAP®-Alu, CAP®-Cu	2.0	6.0	12/20	**1572920**
3 and 3.2	Alu, Cu, Steel, Stainless steel, Stinox, Alu, PG-Alu, PG-Steel	2.4	6.0	12/24	**1572924**
4	Alu, Cu	2.4	6.0	12/24	**1572924**
4	Steel, CAP®-Alu, CAP®-Cu, Alu, PG-Alu	2.4	6.0	12/24	**1572924**
4	Stainless steel, Stinox, PG-Steel	2.9	8.0	12/29	**1572925**
4.8	CAP®-Alu, CAP®-Cu	2.9	8.0	12/29	**1572925**
4.8 and 5	Alu, PG-Alu	3.2	8.0	12/32	**1618800**
4.8 and 5	Steel, Alu	3.2	8.0	12/32	**1618800**
BLIND RIVET NUTS					
M4	Alu, Steel	4.15	11.0	12/M4	**1572926**
M5	Alu, Steel, PG-Alu, PG-Steel	5.15	11.0	12/M5	**1572927**
M6	Alu, PG-Alu	6.15	11.0	12/M6	**1572929**

Standard version
12/..... Nosepieces



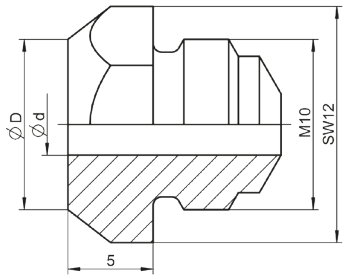
Standard version BRN
12/M..... Nosepieces



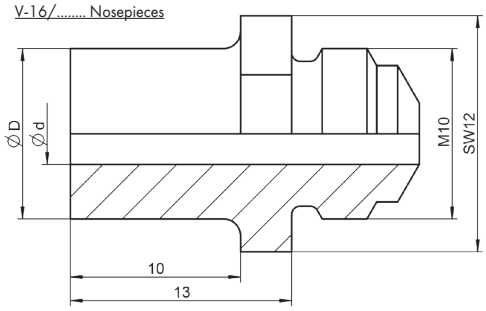
NOSEPIECES STANDARD + SPECIAL LENGTH HN 2, PH 2, PH Axial

Ø	Material	Ø d	Ø D	Standard	No.	V (10 mm)	No.
2.4	Alu	1.8	**6.0**	16/18	**1434285**	V-16/18	**1434370**
3.2	CAP®-Alu, CAP® Copper	1.8	**6.0**	16/18	**1434285**	V-16/18	**1434370**
3	Alu/Cu	2.0	**6.0**	16/20	**1434287**	V-16/20	**1434371**
3 and 3.2	Alu, Cu, Steel, Stainless steel, Stinox, Alu/Alu, PG-Alu, PG-Steel	2.4	**6.0**	16/24	**1434288**	V-16/24	**1434372**
4	Alu, Cu, CAP®-Alu, CAP®-Cu	2.4	**6.0**	16/24	**1434288**	V-16/24	**1434372**
4	Steel, Alu/Alu, PG-Alu	2.7	**8.0**	16/27	**1434289**	V-16/27	**1434373**
4	Stainless steel, Stinox, PG-Steel	3.0	**8.0**	16/29	**1434290**	V-16/29	**1434374**
4.8 and 5	Alu, CAP®-Alu, CAP®-Cu, PG-Alu	3.0	**8.0**	16/29	**1434290**	V-16/29	**1434374**
4.8 and 5	Steel, Alu/Alu	3.35	**8.0**	16/32	**1434291**	V-16/32	**1434375**
4.8 and 5	Stainless steel, Stinox, PG-Steel	3.6	**10.0**	16/36	**1434292**	V-16/36	**1434376**
6	Alu	3.6	**10.0**	16/36	**1434292**	V-16/36	**1434376**
6	Steel	4.0	**10.0**	16/40	**1434293**	V-16/40	**1434369**
6.4	Alu, PG-Alu	4.0	**10.0**	16/40	**1434293**	V-16/40	**1434369**
6.4	Steel, Alu/Alu	4.5	**10.0**	16/45	**1434300**	V-16/45	**1434378**
4	Plastic	3.0	-	16/30 K	**1434130**		
5	Plastic	3.5	-	16/35 K	**1434131**		
6	Plastic	4.0	-	16/40 K	**1434132**		

Standard version
16/..... Nosepieces

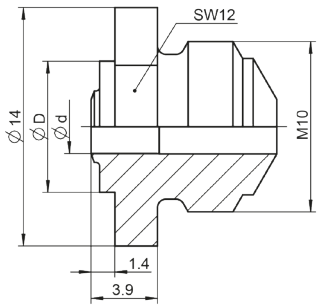


Extended version (10 mm)
V-16/..... Nosepieces



MEGA GRIP® / Monobolt®

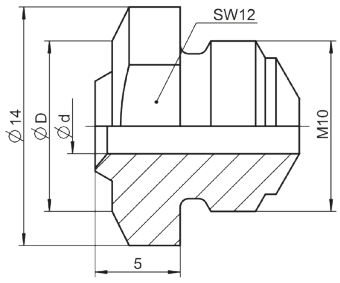
Ø	Material	Ø d	Ø D	Designation	No.
4.8	all MEGA GRIP®	3.1	8.0	16/31 MG	**1434380**
6.4	all MEGA GRIP®	4.2	10.0	16/41 MG	**1434381**
4.8	Monobolt®	3.15	7.7	16/31 MB	**1434379**
6.4	Monobolt®	4.2	9.5	16/42 MB	**1434163**



The suitability of nosepiece and fastener needs to be tested by the user and is user's own responsibility!

BULB-TITE®

Ø	Material	Ø d	Ø D	Designation	No.
4	all BULB-TITE®	2.64	8.0	16/26 BT	**1434301**
5.2	all BULB-TITE®	3.23	10.0	16/32 BT	**1434302**
6.3	all BULB-TITE®	4.2	11.0	16/42 BT	**1434303**
7.7	all BULB-TITE®	4.8	10.0	16/48 BT	**1434304**



SPECIAL ACCESSORIES / NOSEPIECES Blind rivet setting tools

NOSEPIECES STANDARD + SPECIAL LENGTH

SN2, Birdie®, AccuBird®, Bird® Pro series, TAURUS®

Ø	Material	Ø d	Ø D	Standard	No.	V (8mm)	No.
2.4	Alu	1.6	6.0	17/16	**1434972**	-	-
2.4	Alu	1.8	6.0	17/18	**1434976**	V-17/18	**1434979**
3.2	CAP®-Alu, CAP® Copper	1.8	6.0	17/18	**1434976**	V-17/18	**1434979**
3	Alu/Cu	2.0	6.0	17/20	**1434994**	V-17/20	**1457315**
3	Alu, Cu, Steel, Stainless steel, Stinox, Alu/Alu	2.2	6.0	17/22	**1435018**	V-17/22	**1457323**
3 and 3.2	Alu, Cu, Steel, Stainless steel, Stinox, Alu/Alu, PG-Alu, PG-Stahl	2.4	6.0	17/24	**1434955**	V-17/24	**1434980**
4	Alu, Cu, CAP®-Alu, CAP®-Cu	2.4	6.0	17/24	**1434955**	V-17/24	**1434980**
4	Steel, Alu/Alu, PG-Alu	2.7	8.0	17/27	**1434973**	V-17/27	**1434981**
4	Stainless steel, Stinox, PG-Steel	3.0	8.0	17/29	**1434974**	V-17/29	**1434982**
4.8 and 5	Alu, CAP®-Alu, CAP®-Cu, PG-Alu	3.0	8.0	17/29	**1434974**	V-17/29	**1434982**
4.8 and 5	Steel, Alu/Alu	3.35	8.0	17/32	**1434975**	V-17/32	**1434983**
4.8 and 5	Stainless steel, Stinox, PG-Steel	3.6	10.0	17/36	**1434977**	V-17/36	**1434984**
6	Alu	3.6	10.0	17/36	**1434977**	V-17/36	**1434984**
6	Steel	4.0	10.0	17/40	**1434999**	V-17/40	**1435038**
6.4	Alu, PG-Alu	4.0	10.0	17/40	**1434999**	V-17/40	**1435038**
6.4	Steel, Alu/Alu	4.5	10.0	17/45	**1434860**	V-17/45	**1434866**
4	Plastic	3.0	-	17/30 K	**1434933**	-	-
5	Plastic	3.5	-	17/35 K	**1435824**	-	-
6	Plastic	4.0	-	17/40 K	**1434998**	-	-

MEGA GRIP® / Monobolt®

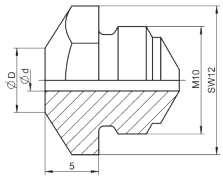
4.8	all MEGA GRIP®	3.1	8.0	17/31 MG	**1434993**
6.4	all MEGA GRIP®	4.2	10.0	17/41 MG	**1434865**
4.8	Monobolt®	3.1	8.0	17/31 MB	**1434868**
6.4	Monobolt®	4.2	9.5	17/42 MB	**1434869**

BULB-TITE®

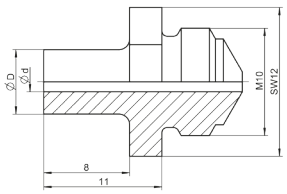
4	all BULB-TITE®	2.64	8.0	17/26 BT	**1434985**
5.2	all BULB-TITE®	3.23	10.0	17/32 BT	**1434986**
6.3	all BULB-TITE®	4.2	11.0	17/42 BT	**1434988**
7.7	all BULB-TITE®	4.8	10.0	17/48 BT	**1434989**

The name of the nosepiece (e.g. 17/32) can be found directly on the nosepiece.

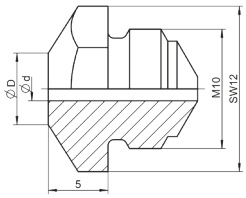
Standard version
17/.....Nosepieces



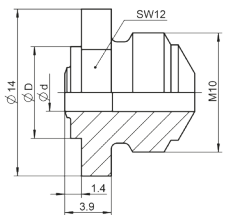
Extended version (8 mm)
V-17/.....Nosepieces



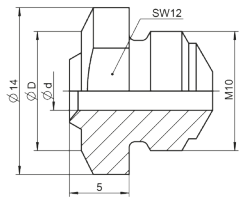
Special version
17/.....MG Nosepieces



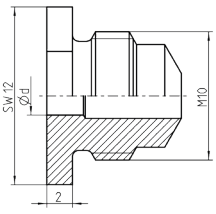
Special version
17/.....MB Nosepieces



Special version
17/.....BT Nosepieces



Special version
17/.....Plastic Nosepieces

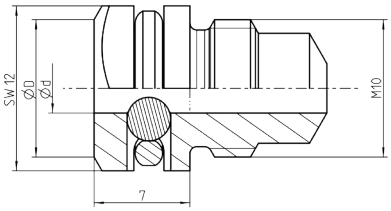


The suitability of nosepiece and fastener needs to be tested by the user and is user's own responsibility!

RETAINING NOSEPIECES

for SN 2, Birdie®, AccuBird®, Bird® Pro Serie

Ø	Material	Ø d	Designation	No.
2.4	Alu	1.85	17/18 R	**165 5422**
3.2	CAP®-Alu, CAP® Copper	1.85	17/18 R	**165 5422**
3	Alu/Cu Alu, Cu, Steel, Stainless steel, Stinox, Alu/Alu	2.0	17/20 R	**165 5424**
3	Alu, Cu, Steel, Stainless steel, Stinox	2.2	17/22 R	**165 5426**
3 and 3.2	Alu, Cu, Steel, Stainless steel, Stinox, Alu/Alu, PG-Alu, PG-Steel	2.4	17/24 R	**165 5427**
4	Alu, Cu, CAP®-Alu, CAP®-Cu	2.4	17/24 R	**165 5427**
4	Steel, Alu/Alu, PG-Alu	2.7	17/27 R	**165 5428**
4	Stainless steel, Stinox, PG-Steel	2.9	17/29 R	**165 5429**
4.8 and 5	Alu, CAP®-Alu, CAP®-Cu, PG-Alu	2.9	17/29 R	**165 5429**
4.8 and 5	Steel, Alu/Alu	3.2	17/32 R	**165 5430**
4.8 and 5	Stainless steel, Stinox, PG-Steel	3.6	17/36 R	**165 5431**
6	Alu	3.6	17/36 R	**165 5431**
6	Steel	4.0	17/40 R*	**165 5433**
6.4	Alu, PG-Alu	4.0	17/40 R*	**165 5433**
6.4	Steel, Alu/Alu	4.5	17/45 R*	**165 5434**

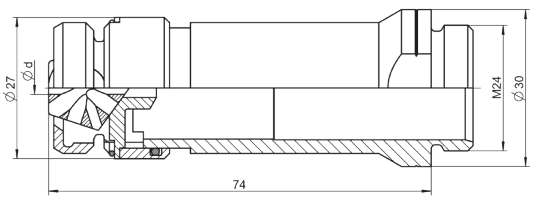


*Except AccuBird® and AccuBird® Pro and Birdie® with setting sleeve

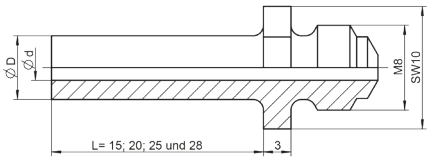
UNIVERSAL NOSEPIECE

HN2, SN 2, PH 2, AccuBird®, PowerBird®

Ø	Material	Ø d	HN 2, SN 2, PH 2	Bird® series
2.4	Alu	1.8	**No. 1456776**	**No. 1434960**
3.2	CAP®-Alu, CAP® Copper	1.8		
3 and 3.2	Alu, Cu, Stahl, Stainless steel, Stinox, Alu/Alu, PG-Alu, PG-Steel	2.4		
4	Alu, Cu, CAP®-Alu, CAP®-Cu	2.4		
4	Steel, Alu/Alu, PG-Alu	2.7		
4	Stainless steel, Stinox, PG-Steel	2.9		
4.8 and 5	Alu, CAP®-Alu, CAP®-Cu, PG-Alu	2.9		
4.8 and 5	Steel, Alu/Alu			

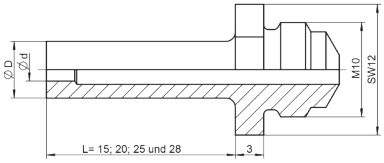


SPECIAL NOSEPIECES



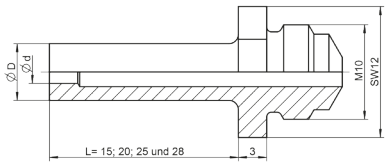
NTS, NTX, NTX-F, Flipper®, PH 2-VK

Ø	Material	Ø d	Ø D	Designation	15 mm	20 mm	25 mm	28 mm
3 and 3.2	Alu, Cu, Steel, Stainless steel, Stinox, Alu/Alu, PG-Alu, PG-Steel	2.4	6.5	10/24 SL...	**1456631**	**1456630**	**1456632**	**1456633**
4	Alu, Cu	2.4	6.5	10/24 SL...	**1456631**	**1456630**	**1456632**	**1456633**
4	Steel, CAP®-Alu, CAP®-Cu, Alu/Alu, PG-Alu	2.7	7.0	10/27 SL...	**1456634**	**1456635**	**1456636**	**1456637**
4	Stainless steel, Stinox, PG-Steel	2.9	8.0	10/29 SL...	**1456638**	**1456639**	**1464001**	**1456640**
4.8	CAP®-Alu, CAP®-Cu	2.9	8.0	10/29 SL...	**1456638**	**1456639**	**1464001**	**1456640**
4.8 and 5	Alu, PG-Alu	3.2	8.0	10/32 SL...	**1456641**	**1456642**	**1456643**	**1456644**



HN 2, PH 2, PH Axial

Ø	Material	Ø d	Ø D	Designation	15 mm	20 mm	25 mm	28 mm
3 and 3.2	Alu, Cu, Steel, Stainless steel, Stinox, Alu/Alu, PG-Alu, PG-Steel	2.4	6.0	16/24 SL...	**1456812**	**1456813**	**1456814**	**1456815**
4	Alu, Cu	2.4	6.0	16/24 SL...	**1456812**	**1456813**	**1456814**	**1456815**
4	Steel, PG-Alu	2.7	8.0	16/27 SL...	**1456816**	**1456817**	**1456818**	**1456819**
4	Stainless steel, Stinox, PG-Steel	3.0	8.0	16/29 SL...	**1456820**	**1456821**	**1456822**	**1456823**
4.8 and 5	Alu, PG-Alu	3.0	8.0	16/29 SL...	**1456820**	**1456821**	**1456822**	**1456823**
4.8 and 5	Steel	3.35	8.0	16/32 SL...	**1456824**	**1456825**	**1456826**	-
4.8 and 5	Stainless steel, Stinox, PG-Steel	3.6	10.0	16/36 SL...	**1456828**	**1456829**	-	**1456830**
6	Alu	3.6	10.0	16/36 SL...	**1456828**	**1456829**	-	**1456830**
6.4	Alu, PG-Alu	4.0	10.0	16/40 SL...	**1456807**	**1456808**	-	-
6.4	Steel, Alu/Alu	4.5	10.0	16/45 SL...	**1456805**	**1456806**	-	-



SN2, Birdie®, AccuBird®, AccuBird® Pro, PowerBird®, PowerBird® Pro Gold Edition, TAURUS®

Ø	Material	Ø d	Ø D	Designation	15 mm	20 mm	25 mm	28 mm
2.4	Alu	1.8	6.0	17/18 SL...	**1457367**	**1457368**	**1464039**	**1464040**
3.2	CAP®-Alu, CAP® Copper	1.8	6.0	17/18 SL...	**1457367**	**1457368**	**1464039**	**1464040**
3	Alu/Cu	2.0	6.0	17/20 SL...	**1457314**	**1457305**	**1464041**	**1457369**
3	Alu, Cu, Steel, Stainless steel, Stinox, Alu/Alu	2.2	6.0	17/22 SL...	**1457351**	-	**1457349**	**1450668**
3 and 3.2	Alu, Cu, Steel, Stainless steel, Stinox, Alu/Alu, PG-Alu, PG-Steel	2.4	6.0	17/24 SL...	**1457370**	**1457371**	**1457372**	**1457373**
4	Alu, Cu	2.4	6.0	17/24 SL...	**1457370**	**1457371**	**1457372**	**1457373**
4	Steel, PG-Alu	2.7	8.0	17/27 SL...	**1457374**	**1457376**	**1457377**	**1435035**
4	Stainless steel, Stinox, PG-Steel	3.0	8.0	17/29 SL...	**1457378**	**1457379**	**1457381**	**1457382**
4.8 and 5	Alu, PG-Alu	3.0	8.0	17/29 SL...	**1457378**	**1457379**	**1457381**	**1457382**
4.8 and 5	Steel	3.35	8.0	17/32 SL...	**1457383**	**1457385**	**1457386**	**1457388**
4.8 and 5	Stainless steel, Stinox, PG-Steel	3.6	10.0	17/36 SL...	**1457390**	**1457392**	**1457393**	**1457394**
6	Alu/Alu	3.6	10.0	17/36 SL...	**1457390**	**1457392**	**1457393**	**1457394**
6	Steel	4.0	10.0	17/40 SL...	**1457399**	**1457400**	**1457401**	**1457402**
6.4	Alu, Stainless steel, PG-Alu, PG-Steel und G-Bulb	4.5	10.0	17/45 SL...	**1457265**	**1450673**	**1457404**	**1457398**

CAUTION!
Blind rivets must be ordered as a custom-made product with extended mandrel!

DELIVERY TIMES ON REQUEST!

PLATE NOSEPIECES P WITHOUT CUT-OUT

for SN2, HN 2, PH 2, PH Axial, Birdie®, Bird series, Bird Pro series, TAURUS®

Ø	Material	Ø d	Designation	HN 2, PH 2, PH Axial, No.	Designation	TAURUS® Bird series Bird Pro series SN 2 No.
3 and 3.2	Alu, Cu, Stahl, Stainless steel, Stinox, Alu/Alu, PG-Alu, PG-Steel	2.4	P 16/24	**1456649**	P 17/24	**1457335**
4	Alu, Cu, CAP®-Alu, CAP®-Cu	2.4	P 16/24	**1456649**	P 17/24	**1457335**
4	Steel, Alu/Alu, PG-Alu	2.7	P 16/27	**1456650**	P 17/27	**1457336**
4	Stainless steel, Stinox, PG-Steel	3.0	P 16/29	**1456651**	P 17/29	**1457337**
4.8 and 5	Alu, CAP®-Alu, CAP®-Cu, PG-Alu	3.0	P 16/29	**1456651**	P 17/29	**1457337**
4.8 and 5	Steel, Alu/Alu	3.35	P 16/32	**1456657**	P 17/32	**1457338**
4.8 and 5	Stainless steel, Stinox, PG-Steel	3.6	P 16/36	**1456656**	P 17/36	**1457339**
6	Alu	3.6	P 16/36	**1456656**	P 17/36	**1457339**

For countersunk head blind rivets

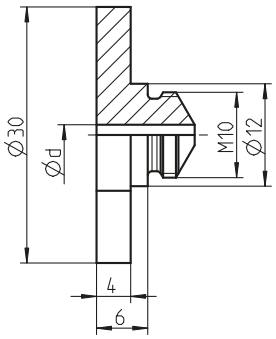
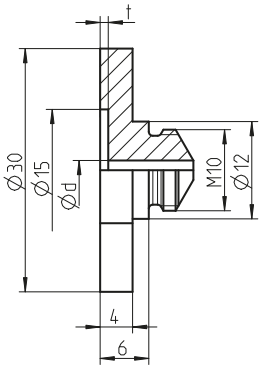


PLATE NOSEPIECE PA WITH CUT-OUT

for SN2, HN 2, PH 2, PH Axial, Birdie®, Bird series, Bird Pro series, TAURUS®

Ø	Material	Ø d	Designation	t	HN 2, PH 2, PH Axial, No.	Designation	t	TAURUS® Bird series Bird Pro series SN 2 No
3 and 3.2	Alu, Cu, Stahl, Stainless steel, Stinox, Alu/Alu, PG-Alu, PG-Steel	2.4	PA 16/24	1.0	**1456659**	PA 17/24	1.0	**1457330**
4	Alu, Cu, CAP®-Alu, CAP®-Cu	2.4	PA 16/24	1.0	**1456659**	PA 17/24	1.0	**1457330**
4	Steel, Alu/Alu, PG-Alu	2.7	PA 16/27	1.0	**1456660**	PA 17/27	1.0	**1457331**
4	Stainless steel, Stinox, PG-Steel	3.0	PA 16/29	1.1	**1456661**	PA 17/29	1.1	**1457341**
4.8 and 5	Alu, CAP®-Alu, CAP®-Cu, PG-Alu	3.0	PA 16/29	1.1	**1456661**	PA 17/29	1.1	**1457341**
5	Al-large flange K 11 and K 14	3.0	PA 16/29 K	1.5	**1456652**	PA 17/29 K	1.5	**1457332**
4.8 and 5	Steel, Alu/Alu	3.35	PA 16/32	1.1	**1456653**	PA 17/32	1.1	**1457333**
4.8 and 5	Stainless steel, Stinox, PG-Steel	3.6	PA 16/36	1.1	**1456662**	PA 17/36	1.1	**1457342**
6	Alu	3.6	PA 16/36	1.3	**1456666**	PA 17/36	1.3	**1457334**

For standard blind rivets (dome head)

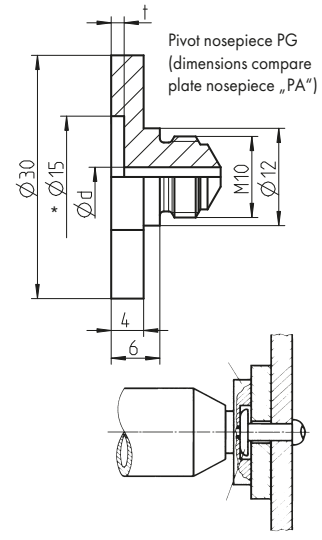


PIVOT NOSEPIECES PG (for the production of articular rivet connections)

for SN2, HN 2, PH 2, PH Axial, Birdie®, Bird series, Bird Pro series, TAURUS®

Ø	Material	Ø d	Designation	t	HN 2, PH 2, PH Axial, No.	Designation	t	TAURUS® Bird series Bird Pro series SN 2 No.
3 and 3.2	Alu, Cu, Steel, Stainless steel, Stinox, Alu/Alu, PG-Alu, PG-Steel	2.4	PG 16/24	1.6	**1456663**	PG 17/24	1.6	**1435002**
4	Alu, Cu, CAP®-Alu, CAP®-Cu	2.4	PG 16/24	1.6	**1456663**	PG 17/24	1.6	**1435002**
4	Steel, Alu/Alu, PG-Alu	2.7	PG 16/27	1.6	**1456664**	PG 17/27	1.6	**1435003**
4	Stainless steel, Stinox, PG-Steel	3.0	PG 16/29	1.6	**1456655**	PG 17/29	1.6	**1435007**
4.8 and 5	Alu, CAP®-Alu, CAP®-Cu, PG-Alu	3.0	PG 16/29	1.6	**1456655**	PG 17/29	1.6	**1435007**
5	Al-large flange K 11 and K 14	3.0	PG 16/29 K	2.0	**1456658**	PG 17/29 K	2.0	**1435004**
5	Al-large flange K 16	3.0	-	-	**-**	PG 17/29 K16*	2.0	**1435009**
4.8 and 5	Steel, Alu/Alu	3.35	PG 16/32	1.6	**1456654**	PG 17/32	1.6	**1435005**
4.8 and 5	Stainless steel, Stinox, PG-Steel	3.6	PG 16/36	1.6	**1456665**	PG 17/36	1.6	**1435006**
6	Alu	3.6	PG 16/36	2.0	**1464002**	PG 17/36	2.0	**1457340**

Pivot nosepiece PG (dimensions compare plate nosepiece „PA")



*Please note:
For PG 17/29 K16, the Ø is 17, not 15.

SPECIAL ACCESSORIES / NOSEPIECES Blind rivet setting tools with AV*

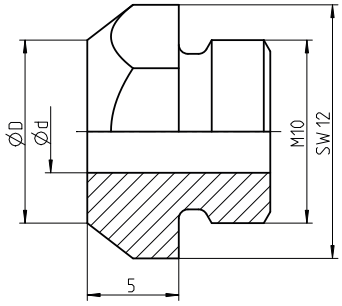
*AV = spring-loaded trigger system

NOSEPIECES FOR SETTING TOOLS WITH SPRING-LOADED TRIGGER SYSTEM
STANDARD + EXTENDED VERSION Bird Pro series and TAURUS®

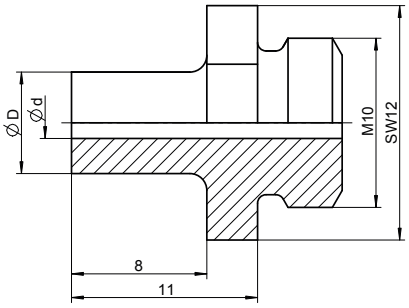
Ø	Material	Ø d	Ø D	Standard	No.	V (8mm)	No.
2.4	Alu	1.85	6.0	17/18 AV	**1435591**	V-17/18 AV	**1457291**
3.2	CAP®-Alu, CAP® Copper	1.85	6.0	17/18 AV	**1435591**	V-17/18 AV	**1457291**
3	Alu/Cu	2.0	6.0	17/20 AV	**1434990**	V-17/20 AV	**1450666**
3	Alu, Cu, Stahl, Stainless steel, Stinox, Alu/Alu	2.2	6.0	17/22 AV	**1434991**	V-17/22 AV	**1450667**
3 und 3.2	Alu, Cu, Stahl, Stainless steel, Stinox, Alu/Alu, PG-Alu, PG-Steel	2.4	6.0	17/24 AV	**1435592**	V-17/24 AV	**1457292**
4	Alu, Cu, CAP®-Alu, CAP®-Cu	2.4	6.0	17/24 AV	**1435592**	V-17/24 AV	**1457292**
4	Steel, Alu/Alu, PG-Alu	2.7	8.0	17/27 AV	**1435593**	V-17/27 AV	**1450628**
4	Stainless steel, Stinox, PG-Steel	3.0	8.5	17/29 AV	**1435594**	V-17/29 AV	**1450629**
4.8 and 5	Alu, CAP®-Alu, CAP®-Cu, PG-Alu	3.0	8.5	17/29 AV	**1435594**	V-17/29 AV	**1450629**
4.8 and 5	Steel, Alu/Alu	3.35	8.5	17/32 AV	**1435595**	V-17/32 AV	**1457725**
4.8 and 5	Stainless steel, Stinox, PG-Steel	3.6	10.0	17/36 AV	**1435596**	V-17/36 AV	**1450630**
6	Alu	3.6	10.0	17/36 AV	**1435596**	V-17/36 AV	**1450630**
6	Steel	4.0	10.0	17/40 AV	**1435597**	V-17/40 AV	**1457293**
6.4	Alu, PG-Alu	4.0	10.0	17/40 AV	**1435597**	V-17/40 AV	**1457293**
6.4	Steel, Alu/Alu	4.5	10.0	17/45 AV	**1435598**	V-17/45 AV	**1450631**

The name of the nosepiece (e.g. 17/32) can be found directly on the nosepiece.

Standard version
17/.....Nosepieces



Extended version (8 mm)
V-17/.....Nosepieces



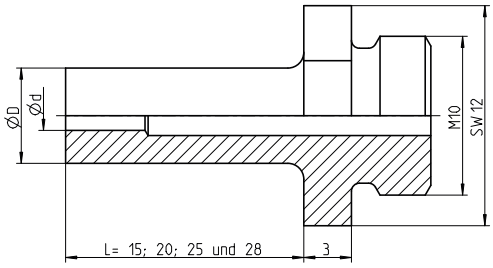
DELIVERY TIMES ON REQUEST!

All nosepieces can also be viewed online via our practical **nosepiece finder**. Simply enter the technical data of the blind rivet and select the appropriate riveting tool. Click here to go directly to the nosepiece finder:

NOSEPIECES EXTENDED VERSION FOR SETTING TOOLS
WITH SPRING-LOADED TRIGGER SYSTEM Bird Pro series and TAURUS®

ø	Material	ø d	ø D	Designation	15 mm	20 mm	25 mm	28 mm
2.4	Alu	1.85	6.0	17/18 AV SL...	**1450634**	**1450635**	**1450636**	**1450637**
3.2	CAP®-Alu, CAP® Copper	1.85	6.0	17/18 AV SL...	**1450634**	**1450635**	**1450636**	**1450637**
3	Alu/Cu	2.0	6.0	17/20 AV SL...	**1450658**	**1450659**	**1450660**	**1450661**
3	Alu, Cu, Steel, Stainless steel, Stinox, Alu/Alu	2.2	6.0	17/22 AV SL...	**1450662**	**1450663**	**1450664**	**1450665**
3 and 3.2	Alu, Cu, Steel, Stainless steel, Stinox, Alu/Alu, PG-Alu, PG-Steel	2.4	6.0	17/24 AV SL...	**1450638**	**1457321**	**1450639**	**1450640**
4	Alu, Cu	2.4	6.0	17/24 AV SL...	**1450638**	**1457321**	**1450639**	**1450640**
4	Steel, PG-Alu	2.7	8.0	17/27 AV SL...	**1450641**	**1457322**	**1450642**	**1457726**
4	Stainless steel, Stinox, PG-Steel	3.1	8.0	17/29 AV SL...	**1457324**	**1450643**	**1457325**	**1450644**
4.8 and 5	Alu, PG-Alu	3.1	8.0	17/29 AV SL...	**1457324**	**1450643**	**1457325**	**1450644**
4.8 and 5	Steel	3.35	8.0	17/32 AV SL...	**1450645**	**1457326**	**1450646**	**1450647**
4.8 and 5	Stainless steel, Stinox, PG-Steel	3.6	10.0	17/36 AV SL...	**1450648**	**1450649**	**-**	**1450651**
6	Alu/Alu	3.6	10.0	17/36 AV SL...	**1450648**	**1450649**	**-**	**1450651**
6	Steel	4.0	10.0	17/40 AV SL...	**1457327**	**1457328**	**1450652**	**1450653**
6.4	Alu, Stainless steel, PG-Alu, PG-Steel and G-Bulb	4.5	10.0	17/45 AV SL...	**1450654**	**1450655**	**1450656**	**1450657**

*AV= spring-loaded trigger system

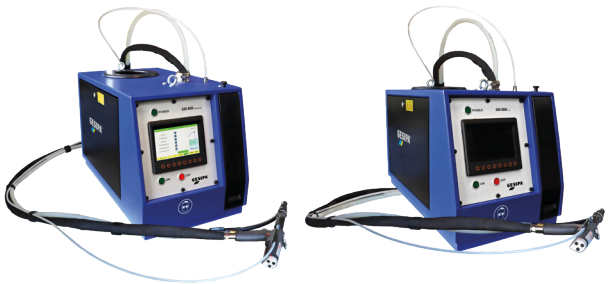


CAUTION!
Blind rivets must be ordered as a custom-made product with extended mandrel!

DELIVERY TIMES ON REQUEST!

GESIPA® AUTOMATIC RIVETING MACHINES

GAV 8000 ECO
GAV 8000 ELECTRONIC



- All GESIPA® blind rivet machines are perfectly suited for use in industrial large-scale production.
- GAVs can either be operated manually or used as component in a robot-controlled system; integration into a production system is also possible.
- The automatic riveting machines support the setting of a wide range of blind rivets from 2.4 – 6.4 mm in diameter.
- Up to 40 riveting processes per minute can be realized depending of the Type of application.

THAT IS NEW

- Depending on the blind rivet used, savings of up to 24% compressed air are possible
- Less compressed air needs to be generated for the operation of the GAV
- Due to the now reduced consumption, fewer fluctuations occur in the customer's compressed air network
- The possibility of using longer hose assemblies significantly increases the flexibility of the GAV

THE PRACTICAL MODULAR PRINCIPLE

THE PRACTICAL MODULAR PRINCIPLE GUARANTEES EFFICIENCY AND QUALITY

Individual conception for efficiency and flexibility

GESIPA®'s fully-automatic blind rivet processing systems are constructed to meet the customer's special production environment. All factors, such as workplace design, production Type, application, securing of flawless work processes, integration into the sequential organisation and also process documentation for safety-relevant parts, are taken into consideration.

GAV are therefore available with various pistol models, hose length packages, special accessories for various rivet dimensions and production requirements. This results in a large variety of models and a high level of efficiency thanks to the solutions that are adapted to meet requirements. The GAV can be integrated into the system or operated independently. If the application changes, the system can be quickly and easily adapted to the new environment.

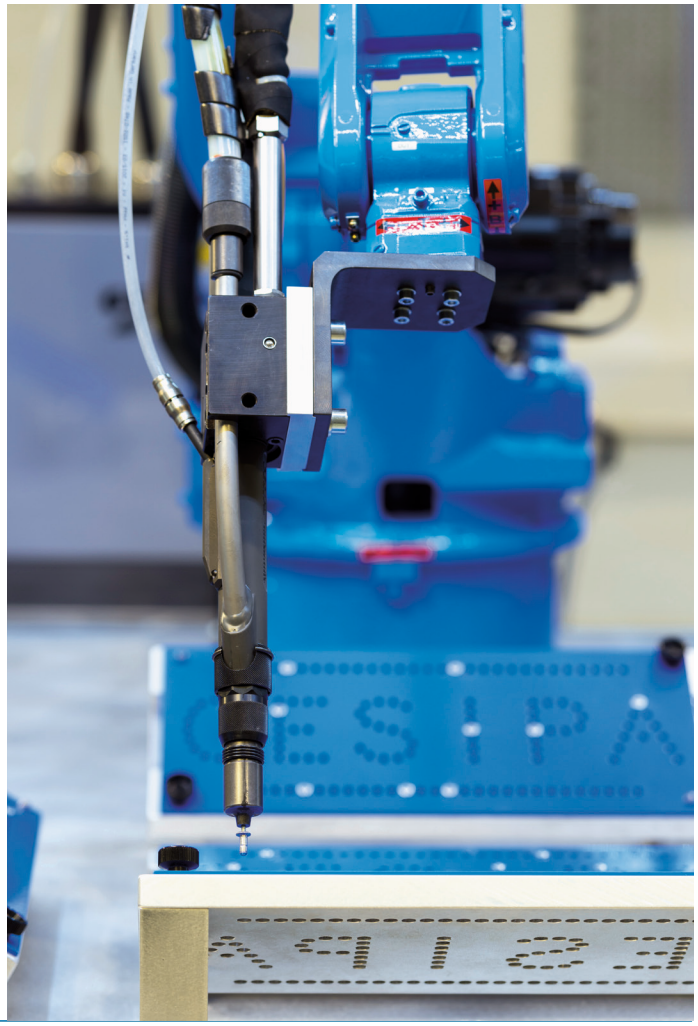
GAV – USE IN ROBOT APPLICATIONS

Use by industry in robot-controlled applications

Both versions of the GAV 8000 can be integrated into robot systems. Industrial robots are used almost everywhere in the production environment. They can be programmed to carry out various movements and can therefore be used highly efficiently in combination with the GESIPA® rivet equipment.

With the controlled, fast and secure production processes it is possible to achieve the following benefits by using a fully-automatic GAV combined with a multi-axle robot:

- → **First rate precission**
- → **High efficiency**
- → **Short cycle times**
- → **High flexibility**



BLIND RIVET FUNCTION DOCUMENTATION AND SETTING PROCESS MONITORING

THE INTEGRATED GESIPA® QUALITY MANAGEMENT SYSTEM GUARANTEES PRECISION AND ACCURACY RIGHT FROM THE VERY FIRST PRODUCTION STEP THROUGH TO THE PROCESSED BLIND RIVET.

The combination of the use of function-documented blind rivets and the use of the setting process monitoring function of the GAV 8000 electronic guarantees processsecure connections.

The quality management system comprises of three areas:

- → Dimensional review
- → Function test
- → Setting process monitoring

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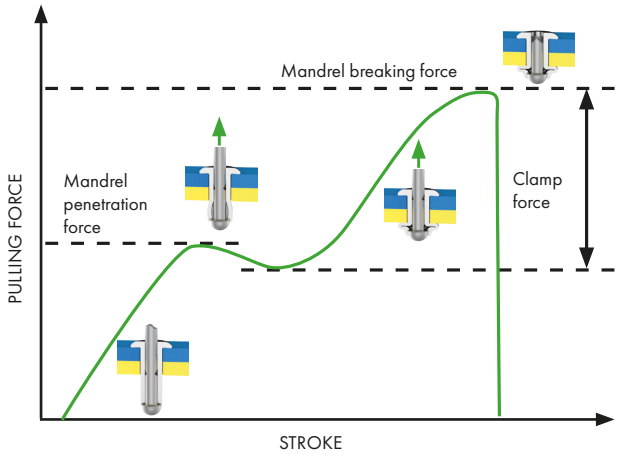
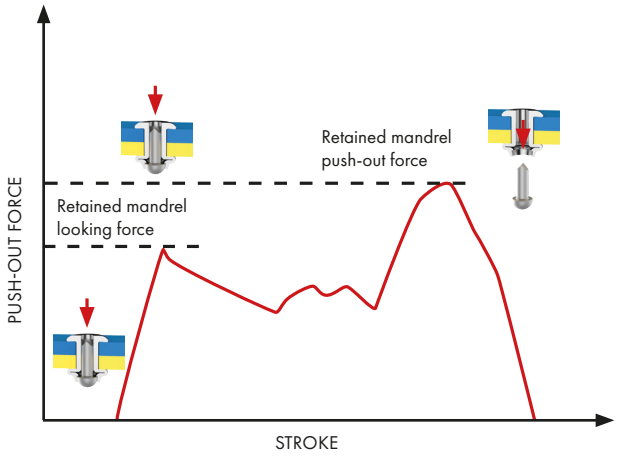
(1)



(2)



Function documentation / Setting curve (1)
In addition to other parameters, the setting curve is measured using calibrated testing equipment for every batch of application-specific blind riveting. The measuring results of the shaft deformation, slip-in behaviour, mandrel break load and torque are compared to target values to ensure that the blind rivet in the application is deformed as required and creates a secure connection.

Function documentation / Mandrel ejection force (2)
The remaining part of the mandrel enclosed in the set rivet is pressed out with the aid of a needle. The measured force can be used to determine whether the remaining part of the pin is properly locked and will not cause any rattling noises or fall out. The batch is only released if both these values are within tolerances.

Monitored process – Reliable connection
100% inspections of the riveting processes are required for safety-relevant applications for industrial processing of blind rivets. In this case, the fully-automatic rivet device GAV 8000 electronic allows application-compatible efficient solutions ranging from the basic system through to a system with a barcode scanner.

THE CONCEPT TO THE INTEGRATED SETTING PROCESS MONITORING

Display of a GAV 8000 electronic indicating the setting curve as part of the setting process monitoring

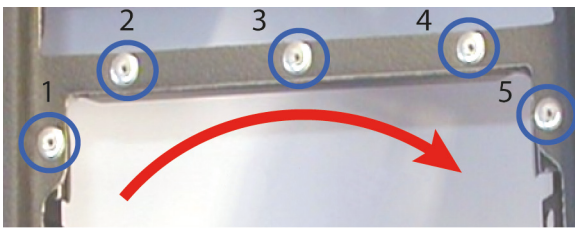
THE PROCESS MONITORING SYSTEM IS AN INTEGRAL PART OF THE GAV 8000 ELECTRONIC.

It offers the following benefits:

- → Optimum process security thanks to integrated quality concept
- → Blind rivet-specific process monitoring
- → System can be operated independently
- → No memory-programmable control system (SPS) required to operate the device
- → No system calibration required when system is exchanged
- → Little installation effort required
- → Interfaces to the control integration

3

PROGRAMMING THE SETTING PROCESS MONITORING



The setting sequence

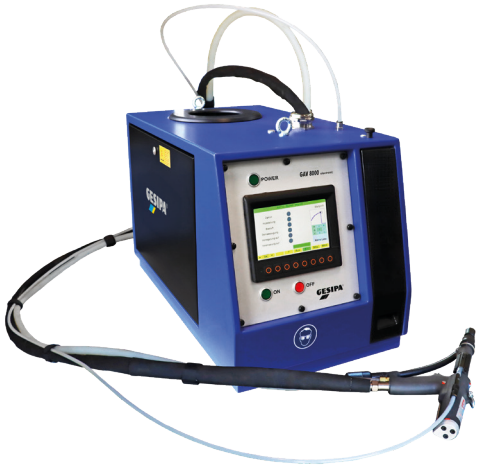
STEP 1:
Setting up blind rivet position-specific profiles
Recording and archiving of the relevant process parameters to create a blind rivet connection with reference process curves after defining the analysis window

STEP 2:
Generation of part-specific profile lists
Summary of the profile in the setting sequence as a control file for the process sequence and process assessment

STEP 3:
Operating the device
Online analysis and saving of the setting process data with process interruption if deviations are detected

GESIPA® AUTOMATIC RIVETING MACHINES

COMPARISON OF GAV 8000 ECO AND ELECTRONIC



PROPERTIES	GAV 8000 eco	GAV 8000 electronic
Range of possible sizes 2.4 mm - 6.4 mm (Alu)	x	x
Up to 40 rivet settings per minute	x	x
Independent system operation possible	x	x
PLC control possible	x	x
Intelligent control – excellent process safety	x	x
Setting of all operating parameters via the display	x	x
Customer-specific software modification	x	x
Maintenance display	x	x
Power supply unit: Convenient automatic adjustment to all country-specific electricity networks thanks to wide range input	x	x
Simple update to the control possible by USB interface	x	x
Modern 7“ display with high resolution (800x480 px), good contrasts and improved viewing angle dependencies	x	x
Process monitoring		x
Process parameter memory for up to 9,999 different parts		x
Online transfer of the process data		x
The last 1 million rivet processes are saved in the device		x

On request our technical sales team will send you more information about application possibilities in your company.

	GAV 8000 eco and GAV 8000 electronic
SUPPLY UNIT	
Weight	100 kg
Spent mandrel container volume	approx. 1,800 to 5,500 pcs. (3.5 l) depending on size
ELECTRICS	
Nominal voltage	120...230 V, 50...60 Hz
Nominal current	250 VA
Protection class	IP 54
PNEUMATICS	
Supply pressure	< 10 bar
Operating pressure	6 bar
Air consumption/riveting	15 NL
Air consumption/ spent mandrel extraction	290 NL / min.
Connection line	½" (12.5 mm) max. length 5 m
Rest mandrel extraction tube	Outer Ø 8 mm/ Inner Ø 5 mm
Pressure transducer	hydro-pneumatic
RIVET PISTOL	
Weight	ca. 2.5 kg
Stroke	16 - 20 mm
Traction power	12,000 N
Standard tube package length	3.75 m (max. 5.0 m)
Working cycle (theoretical)	1.25 sec.

GAV 8000 ELECTRONIC / GAV 8000 ECO

Fully automatic blind rivet system for industrial production with and without setting process monitoring

GAV 8000 ELECTRONIC

Integrated setting process monitoring

Advice and delivery time on request

WORKING RANGE GAV Electronik

- 2.4 mm up to 6.4 mm Ø alu and copper
- Up to 6 mm Ø steel
- Up to 5 mm Ø stainless steel
- Up to flange diameter 11.4 mm
- Rivet body lengths depending on application up to approx. 30 mm possible
- Traction power up to 12,000 N at 6 bar operating pressure

SCOPE OF DELIVERY (both variants)

The scope of delivery always includes one setting pistol.
This can be freely modified as required.

SYSTEM DESCRIPTION (both variants)

- Electronic system controls
- Intuitive menu guidance via navigation and function keys
- Function display
- Maintenance display and simple fault diagnosis
- Customer-specific software modification is possible
- Rivet mandrels are disposed of by vacuum system
- Spring loaded trigger system as an optional extra available
- Can be integrated into the system or operated independently
- Interface for external memory programmable control system (SPS) can be realised via the GESIPA® interface

GAV 8000 ECO

WITHOUT setting process monitoring

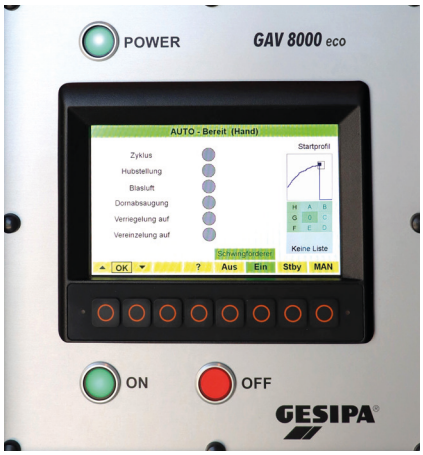
Ideal for applications that do not require any process monitoring

Advice and delivery time on request

WORKING RANGE GAV eco

- → 2.4 mm up to 6.4 mm Ø alu and copper
- → Up to 6 mm Ø steel
- → Up to 5 mm Ø stainless steel
- → Up to flange diameter 11.4 mm
- → Rivet body lengths depending on application up to approx. 30 mm possible
- → Traction power up to 12,000 N at 6 bar operating pressure

Subsequent upgrade to GAV 8000 electronic possible in our Walldorf factory at extra price



ADVANTAGES (both variants)

Productivity and savings potential

- → Cost effective from an annual quantity of aroand 500,000 blind rivets (in relation to the german market)
- → Up to 50 % time and costs savings compared to standard blind rivet devices
- → Rivet pistol has a large action radius thanks to the hose package that is up to 5.0 m in length (Standard length 3.75 m)
- → No trained personnel required for operation
- → Can be easily integrated into fully-automatic production systems
- → Up to 40 blind rivets can be processed every minute

PISTOL VERSION for GAV 8000 electronic / GAV 8000 eco

SPECIFIC WORKSTATION CONFIGURATION
For all GAV versions, three different setting pistol variants are available for the ideal configuration of the workstation. For manual workstations, pistols are available as overhead versions with overhead hose assembly or standard pistols with floor-mounted hose assembly. Both versions are equipped with a balancer to ensure fatigue-free working.

The robotic pistol has been developed exclusively for use in fully automatic production systems or robot-controlled systems. It is supplied from stock with corresponding drilled holes for easy installation. For further questions, please contact our Technical Sales team. A setting pistol suitable for your application is supplied at time of delivery.

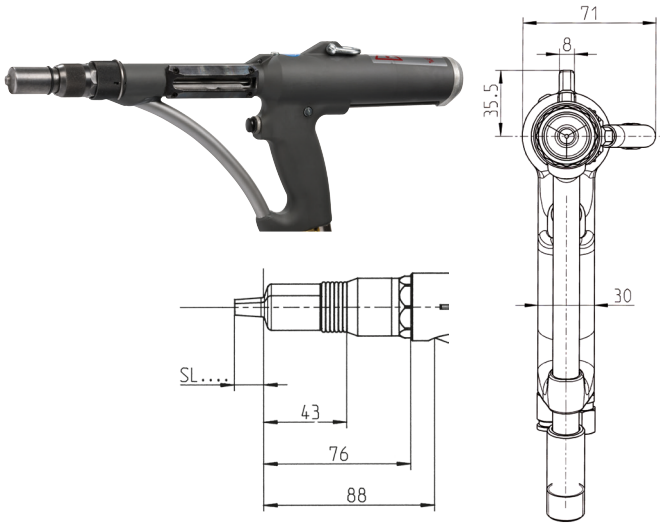
STANDARD PISTOL

Total length: 447 mm (+ SL nose)

The standard pistol is primarily used for **manual operator-controlled** use.

Advantages

- → Can be used for vertical and horizontal riveting
- → Inexpensive variant
- → On request, it can be fitted with an extra handle to improve ergonomics, in particular for applications involving vertical riveting



Dimensions in mm

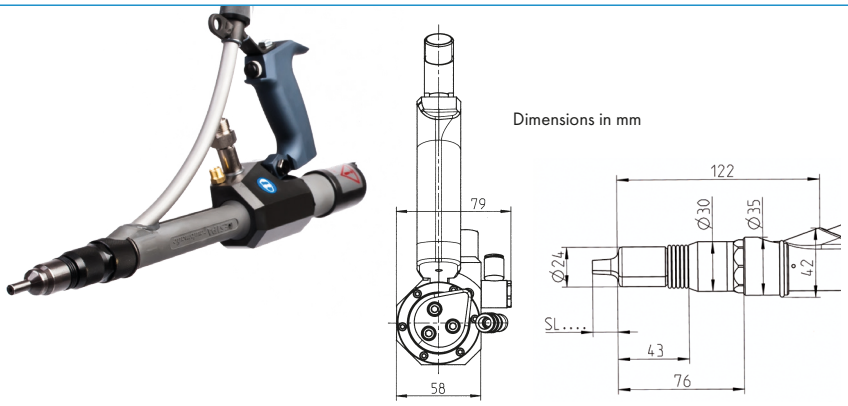
OVERHEAD PISTOL

Total length: 447 mm (+ SL nose)

The overhead pistol can be used everywhere where the hose package is cumbersome or where it could come into contact with sensitive surfaces.

Advantage

- → Available with contact pressure monitoring



Dimensions in mm

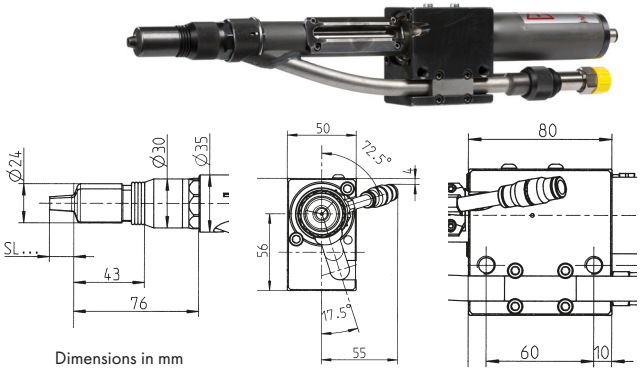
ROBOTIC PISTOL

Total length: 441 mm (+ SL nose)

The robotic pistol has been developed primarily for use in fully automatic production applications/system (linear units/robots).

Advantages

- → Ideal for integration in a production system
- → On request, it can also be fitted with an extra handle (with trigger button) for vertical riveting so that it can be used manually



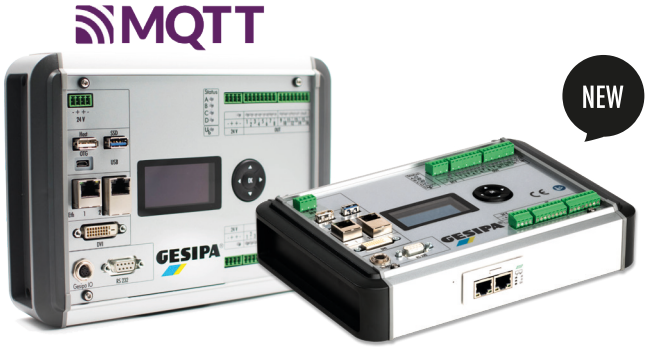
Dimensions in mm

SPECIAL ACCESSORIES for GAV automatic riveting machines

INTERFACE 4.0 – FOR CONNECTION TO EXTERNAL CONTROL

The communication interface between the GESIPA® tools and the PLC interface. For all GESIPA® blind riveting tools with process monitoring.

Detailed description Page 138



Interface 4.0 Universal **No. 1634326**

NEW **Interface 4.0 Profinet** **No. 1814433**

ELECTRICAL FOOT PEDAL

The electrial foot pedal is a good solution wherever applications require both hands to affix the parts that need to be riveted.

MAINTENANCE AGREEMENT AND TRAINING

Ask us about our servicing and maintenance agreements. We can also provide training for your operating, servicing and maintenance personnel when you purchase a GESIPA® blind rivet processing system or at a later date.

SPECIAL LENGTH TUBE PACKAGES

A larger working radius can be achieved, e.g. for use on fully automatic production lines, by using packages of special hose lengths. These are available in various dimensions between 3.75 m and 5.0 m to meet the requirements of the various applications.

GAV carriage

The trolley that has been specially designed for the GAV enables it to be mobile thereby allowing the workplace to be changed quickly and easily.

GESIPA®-Balancer

For ergonomic and fatigue-free working, it is essential that the pistol and the hose package can be suspended. The Balancer from GESIPA® is the perfect solution.

AUTOMATION TECHNOLOGY

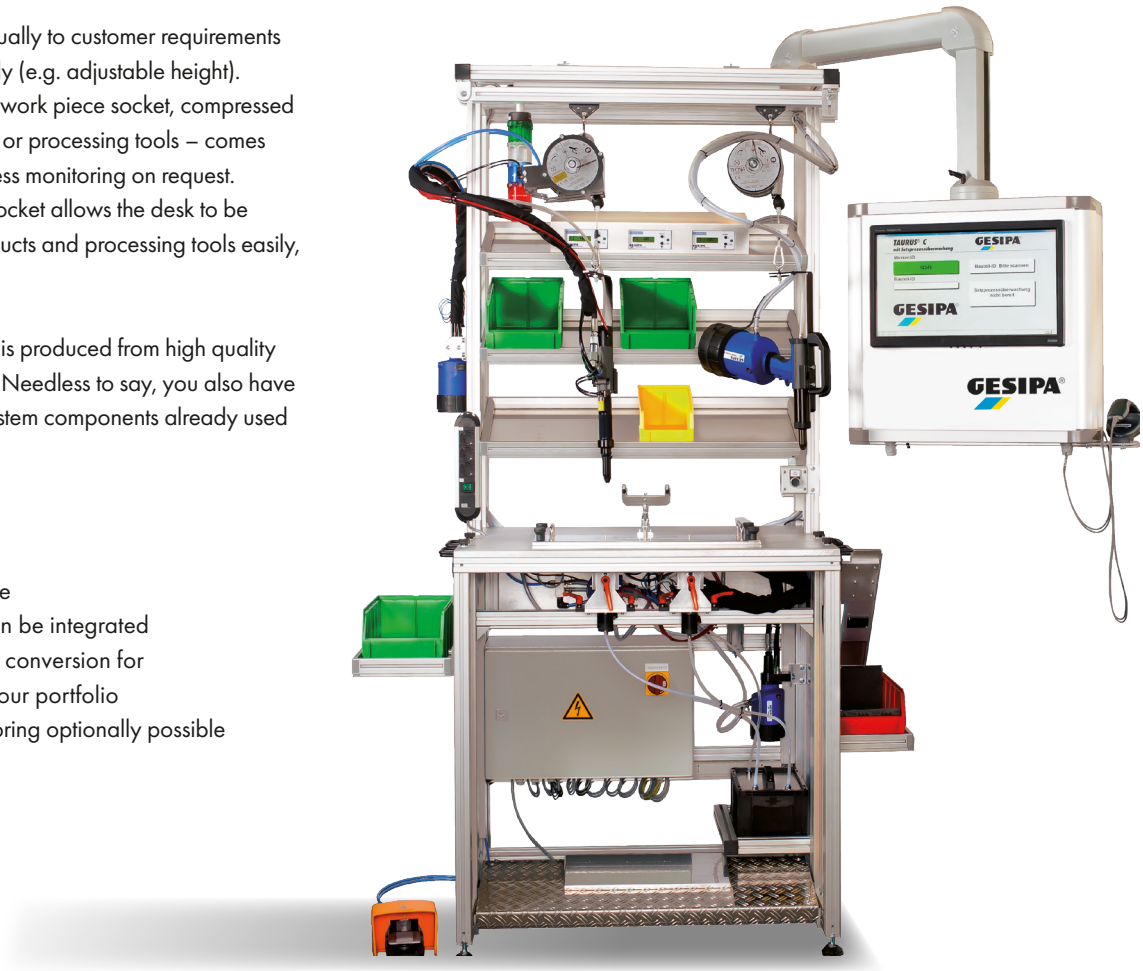
GESIPA® – MORE THAN THE SUM OF ITS PARTS! WE ACCOMPANY YOU INDIVIDUALLY FROM PROJECT PLANNING TO SERIES PRODUCTION

Whether semi-automatic, worker-guided or fully automatic with a robot connection - together we will find the best best solution for your project

ASSEMBLY CELL

The desk is adapted individually to customer requirements and designed ergonomically (e.g. adjustable height). Everything – be it the desk, work piece socket, compressed air supply, electrical supply or processing tools – comes from one source, with process monitoring on request. The optimised work piece socket allows the desk to be converted for different products and processing tools easily, saving costs.

The GESIPA® assembly cell is produced from high quality materials and components. Needless to say, you also have the option of transferring system components already used at your company..



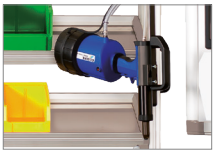
ADVANTAGES

- → Ergonomic working
- → Individually adjustable
- → Existing work tools can be integrated
- → Easy and time-saving conversion for other products from your portfolio
- → Setting process monitoring optionally possible

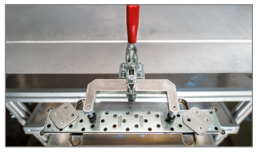
SPECIFICS

Operating status display
The signal light installed on the desk uses different colours to show the process status.

Counting device
The counting device registers and counts the torn off residual rivet mandrels.

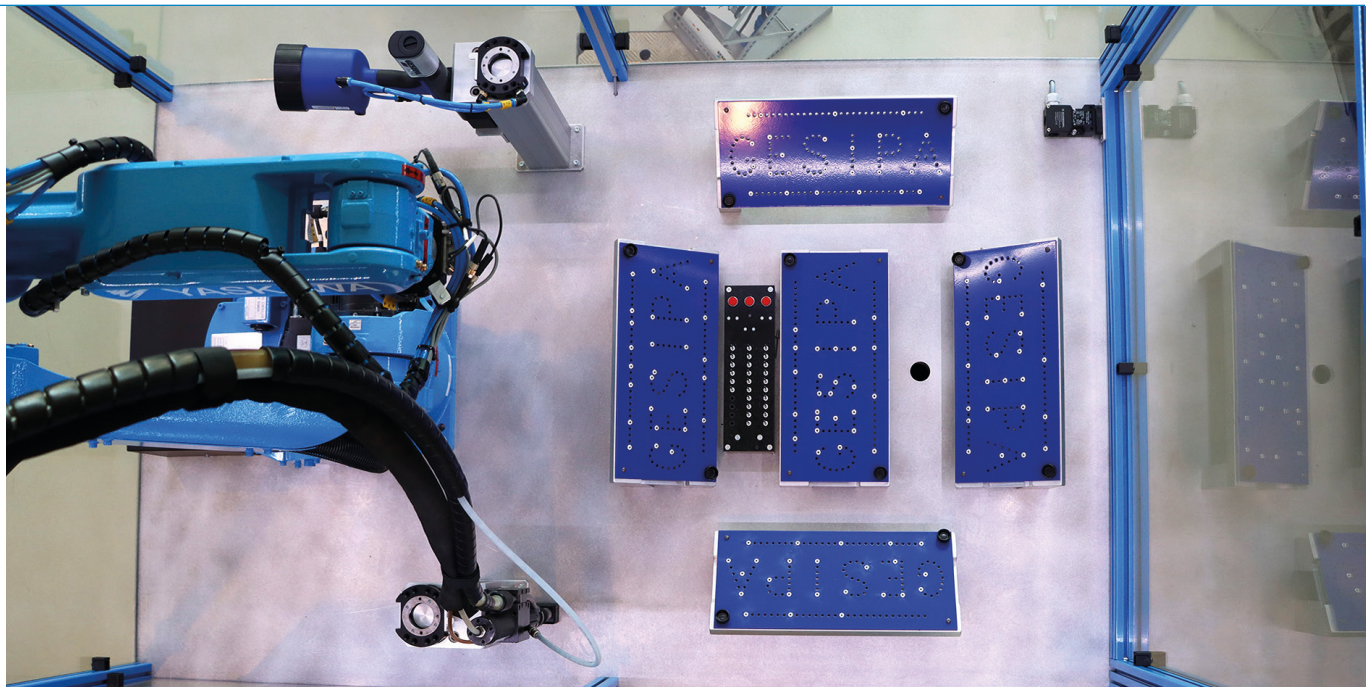


GESIPA® setting tool
The setting tool is completely integrated in the assembly cell.



Individual work piece carrier
The optimised work piece carrier allows the desk to be converted for different products and processing tools easily, saving costs.

Foot pedal
The foot pedal allows you to use both hands to join individual parts and fasten the components to be riveted in place.



BLOWFEEDSYSTEM

Customised system in which the fastener, regardless of whether it is a rivet, blind rivet nut or screw, is blown up to 10 m to the processing device via a feed hose using compressed air. The machine cycle time here is about 5 seconds. The rivet nut cycle time (drilling on, setting, drilling off) is about 1.3 seconds.

The system can process all GESIPA® fasteners as well as third-party connectors. Suitability test required!

ADVANTAGES

- → Compact and space-saving
- → Cycle times of up to 1.3 seconds possible
- → Can be used universally, on robots, stationary or on one axis
- → Blowfeed system reduces the travel distances to a minimum

ROBOT CELL

The robot cell can be equipped with all GESIPA® processing devices. The robot cell can also be integrated into existing integrated into existing production systems.

Further information on all the customised production systems production systems on these pages is available on on request. Contact: Uwe Herth, Head of Automated Solutions, **uwe.herth@gesipa.com**

GESIPA® SPEED RIVET TECHNOLOGY

Up to 60 rivets per minute! – Endorsed by major customers! GESIPA® speed rivets are a cost-effective alternative to automation

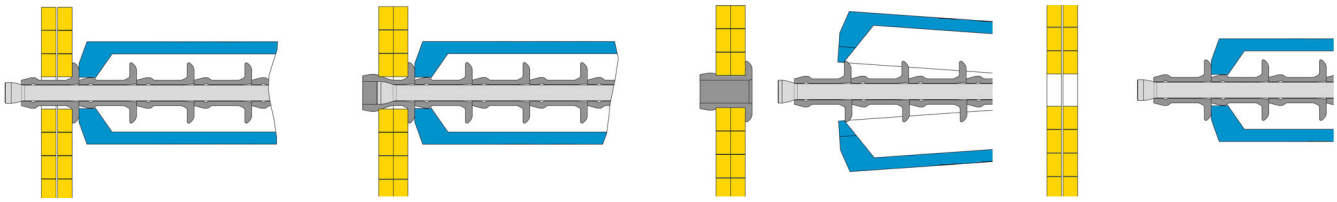
Speed rivet technology is a fastening method that requires access from only one side and which enables fast cycle times thanks to the preloaded rivets and automatic feed. After the setting process the tool automatically makes the next rivet available. This technology is predominantly used in the industry, electronics, lighting, lightweight construction and aviation. Simple one-hand operation ensures rapid hole location and subsequent implementation of the fastening process.

A particular feature of the GESIPA® Speed Rivet Technology is that the speed rivet is immediately ready for use. The disposable mandrel with captive speed rivets ensures the speed rivets are immediately ready for use, thus guaranteeing fast loading and fast magazine change (the fastening elements do not need to be inserted individually by hand in the setting tool).

The relevant application of the rivet magazine is indicated by a distinct colour marking. With GESIPA® Speed Rivet Technology no spent mandrel remains in the joint after riveting.

Speed riveting technology completes GESIPA®'s product portfolio. The speed rivet setting tools by GESIPA® are the product of decades of expertise and the unbeatable advantages of the wellknown, tried-and-tested TAURUS® series. Our engineers' main objectives in its development were for the Speed Rivet tools to be safe, quick and reliable. The very light and ergonomically shaped device will set new standards.

THE SETTING PROCESS



1 The speed rivet is introduced into the joint.

2 The mandrel is pulled through the rivet thus joining the materials.

3 The next speed rivet is ready automatically.

4 The setting process can now be repeated.

ADVANTAGES OF THE GESIPA® SPEED RIVET

- → Ready to use rivet magazine
- → Extremely fast processing and cycle times
- → Quick magazine change
- → One-hand operation
- → Vibration-proof
- → Stable in use
- → Reduced parts handling
- → Versatile application
- → Easy to operate
- → Ideal for medium- and high-volume production
- → No spent mandrel, therefore:
  - > No corrosion
  - > No lost mandrels
  - > No noise
  - > No short-circuits caused by loose parts
- → No dropping of fasteners during installation
- → Low-price alternative to fully automatic systems
- → Made in Germany

OVERVIEW GESIPA® SPEED RIVET TECHNOLOGY

SPEED RIVETS

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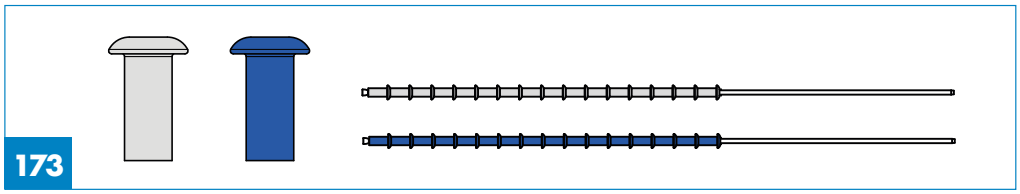
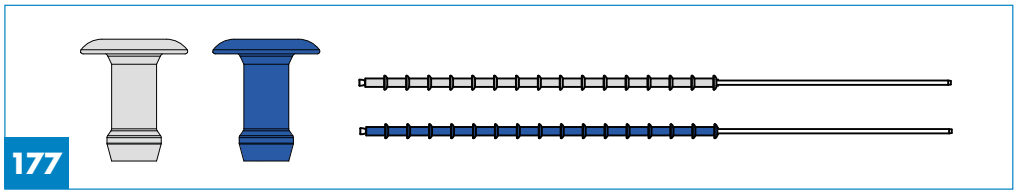


G-Speed® alu and steel



Speed Bulb® alu and steel

SPEED RIVET TOOLS

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TAURUS® 1 Speed Rivet

TAURUS® 2 Speed Rivet

TAURUS® 1 and 2 Speed Rivet Axial eco

WHAT RIVETS WHAT?

		Ø mm 2.4	3.0	3.2	4.0	4.8	5.0	6.0	6.4
TAURUS® 1 Speed Rivet / Axial	P	●	●	●	●	A			
TAURUS® 2 Speed Rivet / Axial	P	●	●	●	●	●	●	●	●

P: Hydro-pneumatic tool

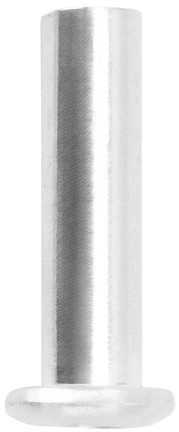
A: Alu/Copper
S: Steel
E: Stainless Steel/Monel

Blue box: All materials (ASE) can be riveted. Where there are exceptions, the letters of the rivetable materials are provided directly in the box..

G-SPEED®

G-Speed® the multi-range speed rivet from GESIPA® for a widerange of applications.

Grip range	⊕⊕⊕
Shear strength	⊕⊕
Tensile strength	⊕
Pulling strength	⊕⊕



ADVANTAGES

→ Large grip range
→ Reduced variation
→ Optimum hole filling capabilities and bearing stress
→ Ideally suited for transferring shear strengths with moderate clamping force
→ Ideal for
» LED light strips
» Electronic/pcb assembly
» Lightweight sheet metal structures
» PC housings
» Rating plates
» Blind holes

Two mandrel lengths are available for the speed rivet:

S ≈ 485 mm for the standard nosepiece
L ≈ 510 mm for the long or curved nosepieces
(Available on request)

To achieve an optimum riveted joint for different bore diameters, a number of mandrel size groups are available. The application range of each speed rivet is denoted by a clear colour code, ensuring the unequivocal classification of the mandrel size groups.

CLASSIFICATION OF THE MANDREL SIZE GROUPS

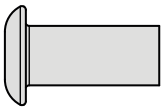
mandrel size groups		Hollow-rivet diameter (mm)			
		3.0	3.2	4.0	4.8
		Bore diameter (mm)			
	Standard	3.05 - 3.15	3.25 - 3.35	4.05 - 4.15	4.85 - 4.95
	1st oversize	3.15 - 3.25	3.35 - 3.45	4.15 - 4.25	4.95 - 5.05
	2nd oversize (on request)	3.25 - 3.35	3.45 - 3.55	4.25 - 4.35	5.05 - 5.15
	3rd oversize (on request)	3.35 - 3.45	3.55 - 3.65	4.35 - 4.45	5.15 - 5.25

Connection property ⊕⊕⊕ = high ⊕ = low

G-SPEED®

Alu

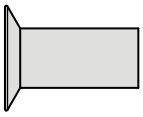
Dome head



D	D x L mm	mm	Number of rivets on mandrel ± 1		Mandrel length for nosepiece	* No.	* No.
3.2	**3.2 x 4.0**	1.0 - 3.0	57	20,000	L4 (485 mm)	**146 3628**	**146 3636**
	3.2 x 5.5	1.0 - 4.5	45	15,000	L4 (485 mm)	**146 3629**	**146 3637**
	3.2 x 7.0	1.0 - 6.0	37	12,500	L4 (485 mm)	**146 3630**	**146 3638**
	3.2 x 8.5	1.0 - 7.5	31	10,000	L4 (485 mm)	**146 3631**	**146 3639**
4.0	**4.0 x 4.0**	1.0 - 3.0	57	20,000	L4 (485 mm)	**151 9021**	**151 9125**
	4.0 x 5.5	1.0 - 4.5	45	15,000	L4 (485 mm)	**151 9023**	**151 9126**
	4.0 x 7.0	1.0 - 6.0	37	12,500	L4 (485 mm)	**151 9025**	**151 9127**
	4.0 x 8.5	1.0 - 7.5	31	10,000	L4 (485 mm)	**151 9026**	**151 9128**
4.8	**4.8 x 4.0**	1.0 - 3.0	54	15,000	L4 (485 mm)	**151 9041**	**151 9133**
	4.8 x 5.5	1.0 - 4.5	43	12,500	L4 (485 mm)	**151 9042**	**151 9134**
	4.8 x 7.0	1.0 - 6.0	35	10,000	L4 (485 mm)	**151 9043**	**151 9135**
	4.8 x 8.5	1.0 - 7.5	30	10,000	L4 (485 mm)	**151 9044**	**151 9136**

Alu

Countersunk

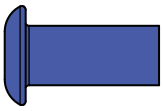


D	D x L mm	mm	Number of rivets on mandrel ± 1		Mandrel length for nosepiece	* No.	* No.
3.2	**3.2 x 4.0**	1.0 - 3.0	75	25,000	L4 (485 mm)	**146 3660**	**146 3668**
	3.2 x 5.5	1.0 - 4.5	55	20,000	L4 (485 mm)	**146 3661**	**146 3669**
	3.2 x 7.0	1.0 - 6.0	43	15,000	L4 (485 mm)	**146 3662**	**146 3670**
	3.2 x 8.5	1.0 - 7.5	35	12,500	L4 (485 mm)	**146 3663**	**146 3671**
4.0	**4.0 x 4.0**	1.0 - 3.0	75	25,000	L4 (485 mm)	**151 9027**	**151 9129**
	4.0 x 5.5	1.0 - 4.5	55	17,500	L4 (485 mm)	**151 9028**	**151 9130**
	4.0 x 7.0	1.0 - 6.0	43	15,000	L4 (485 mm)	**151 9029**	**151 9131**
	4.0 x 8.5	1.0 - 7.5	35	12,500	L4 (485 mm)	**151 9030**	**151 9132**
4.8	**4.8 x 4.0**	1.0 - 3.0	75	20,000	L4 (485 mm)	**151 9046**	**151 9137**
	4.8 x 5.5	1.0 - 4.5	55	15,000	L4 (485 mm)	**151 9047**	**151 9138**
	4.8 x 7.0	1.0 - 6.0	43	12,500	L4 (485 mm)	**151 9048**	**151 9139**
	4.8 x 8.5	1.0 - 7.5	35	10,000	L4 (485 mm)	**151 9050**	**151 9140**

Other oversizes and dimensions on request.
For details see table **page 173** and **page 176**.

Steel

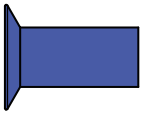
Dome head



D	D x L mm	mm	Number of rivets on mandrel ± 1		Mandrel length for nosepiece	* No.	* No.
3.2	3.2 x 4.0	1.0 - 3.0	57	20,000	L4 (485 mm)	146 4076	146 4084
	3.2 x 5.5	1.0 - 4.5	45	15,000	L4 (485 mm)	146 4077	146 4085
	3.2 x 7.0	1.0 - 6.0	37	12,500	L4 (485 mm)	146 4078	146 4086
	3.2 x 8.5	1.0 - 7.5	31	10,000	L4 (485 mm)	146 4079	146 4087
4.0	4.0 x 4.0	1.0 - 3.0	57	20,000	L4 (485 mm)	151 9059	151 9152
	4.0 x 5.5	1.0 - 4.5	45	15,000	L4 (485 mm)	151 9060	151 9154
	4.0 x 7.0	1.0 - 6.0	37	12,500	L4 (485 mm)	146 4507	146 4505
	4.0 x 8.5	1.0 - 7.5	31	10,000	L4 (485 mm)	146 4506	146 4504
4.8	4.8 x 4.0	1.0 - 3.0	54	15,000	L4 (485 mm)	151 9073	151 9157
	4.8 x 5.5	1.0 - 4.5	43	12,500	L4 (485 mm)	151 9078	151 9159
	4.8 x 7.0	1.0 - 6.0	35	10,000	L4 (485 mm)	151 9082	151 9160
	4.8 x 8.5	1.0 - 7.5	30	10,000	L4 (485 mm)	151 9109	151 9161

Steel

Countersunk head



D	D x L mm	mm	Number of rivets on mandrel ± 1		Mandrel length for nosepiece	* No.	* No.
3.2	3.2 x 4.0	1.0 - 3.0	75	25,000	L4 (485 mm)	146 4136	146 4144
	3.2 x 5.5	1.0 - 4.5	55	20,000	L4 (485 mm)	146 4137	146 4145
	3.2 x 7.0	1.0 - 6.0	43	15,000	L4 (485 mm)	146 4138	146 4146
	3.2 x 8.5	1.0 - 7.5	35	12,500	L4 (485 mm)	146 4139	146 4147
4.0	4.0 x 4.0	1.0 - 3.0	75	25,000	L4 (485 mm)	151 9071	151 9155
	4.0 x 5.5	1.0 - 4.5	55	17,500	L4 (485 mm)	151 9072	151 9156
	4.0 x 7.0	1.0 - 6.0	43	15,000	L4 (485 mm)	146 4499	146 4498
	4.0 x 8.5	1.0 - 7.5	35	12,500	L4 (485 mm)	146 4912	146 4911
4.8	4.8 x 4.0	1.0 - 3.0	75	20,000	L4 (485 mm)	151 9121	151 9190
	4.8 x 5.5	1.0 - 4.5	55	15,000	L4 (485 mm)	151 9122	151 9191
	4.8 x 7.0	1.0 - 6.0	43	12,500	L4 (485 mm)	151 9123	151 9194
	4.8 x 8.5	1.0 - 7.5	35	10,000	L4 (485 mm)	151 9124	151 9196

G-SPEED®

The G-Speed® is available in a large number of versions. The individual properties are shown in the following table of possible combinations

Head shape	Material	D mm	D x L mm	mm	Number of rivets on mandrel ± 1 Dome head	Number of rivets on mandrel ± 1 Countersunk head	
Dome head / Countersunk	Alu/Steel	3.0	**3.0 x 2.5**	1.0 - 1.5	81	115	30,000
			3.0 x 4.0	1.0 - 3.0	57	75	20,000
			3.0 x 5.5	1.0 - 4.5	45	55	15,000
			3.0 x 7.0	1.0 - 6.0	37	43	12,500
			3.0 x 8.5	1.0 - 7.5 1,0	31	35	10,000
			3.0 x 10.0	1.0 - 9.0	27	26	10,000
			3.0 x 11.5	1.0 - 10.5	23	23	10,000
		3.2	**3.2 x 2.5**	1.0 - 1.5	81	115	30,000
			3.2 x 10.0	1.0 - 9.0	27	30	10,000
			3.2 x 11.5	1.0 - 10.5	23	26	10,000
			3.2 x 13.0	1.0 - 12.0	21	23	10,000
		4.0	**4.0 x 2.5**	1.0 - 1.5	85	115	30,000
			4.0 x 10.0	1.0 - 9.0	27	30	10,000
			4.0 x 11.5	1.0 - 10.5	23	26	10,000
			4.0 x 13.0	1.0 - 12.0	21	23	7,500 / 10,000
		4.8	**4.8 x 2.5**	1.0 - 1.5	75	115	20,000 / 30,000
			4.8 x 10.0	1.0 - 9.0	26	30	7,500 / 10,000
			4.8 x 11.5	1.0 - 10.5	23	26	7,500
			4.8 x 13.0	1.0 - 12.0	20	23	5,000 / 7,500
			4.8 x 14.5	1.0 - 13.5	18	20	5,000
			4.8 x 16.0	1.0 - 15.0	17	18	5,000

Example: Countersunk head– Steel 3.0 x 10.0 mm

SHEAR STRENGTH G-SPEED® *

D mm	N Alu	N Steel	max. k mm	max. d_k mm
DOME HEAD ALU AND STEEL				
3.0	**630**	**1,060**	1.2	5.5
3.2	**900**	**1,400**	1.2	5.5
4.0	**1,600**	**2,400**	1.5	6.5
4.8	**2,000**	**3,200**	1.5	8.9
COUNTERSUNK HEAD ALU AND STEEL				
3.0	**630**	**1,060**	1.0	5.5
3.2	**900**	**1,400**	1.0	5.7
4.0	**1,600**	**2,400**	1.0	6.7
4.8	**2,000**	**3,200**	1.4	9.1

D = Rivet body Ø
k = Height of head
d_k = Setting head Ø

*Typical data, measured at the longest rivet body length

SPEED BULB®

The Speed Bulb® magazine rivet from GESIPA® is ideal for larger and higher dynamic loads

Grip range	⊕⊕
Shear strength	⊕⊕
Tensile strength	⊕⊕
Pulling strength	⊕⊕⊕

ADVANTAGES

→ Optimally adapted to specific grip range
→ Distinct bulb formation
  » High grip force
  » High pulling force
→ For higher loads
→ Ideally suited for transmitting shear and tensile forces
→ Ideal for:
  » Higher dynamic loads
  » Sheet metal structures
  » Electrical devices
  » White goods

Two mandrel lengths are available for the speed rivet:

L4 ≈ 485 mm for the standard nosepiece
L5 ≈ 510 mm for the long or curved nosepieces
(Available on request)

To achieve an optimum riveted joint for different bore diameters, a number of mandrel size groups are available. The application range of each speed rivet is denoted by a clear colour code, ensuring the unequivocal classification of the mandrel size groups.

CLASSIFICATION OF THE MANDREL SIZE GROUPS

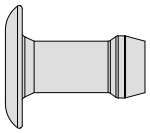
mandrel size groups:		Hollow-rivet diameter (mm)		
		3.2	4.0	4.8
		Bore diameter (mm)		
	Standard	3.25 - 3.35	4.05 - 4.15	4.85 - 4.95
	1st oversize	3.35 - 3.45	4.15 - 4.25	4.95 - 5.05
	2nd oversize (on request)	3.45 - 3.55	4.25 - 4.35	5.05 - 5.15
	3nd oversize (on request)	3.55 - 3.65	4.35 - 4.45	5.15 - 5.25 mm

Connection property ⊕⊕⊕ = high ⊕ = low

SPEED BULB®

Alu

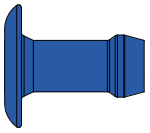
Dome head



D	D x L mm	mm	Number of rivets on mandrel ± 1		Mandrel length for nosepiece	No.	No.
3.2	**3.2 x 4,2**	1.0 - 2.3	59	17,500	L4 (485 mm)	**151 9636**	**151 9645**
	3.2 x 4.7	1.5 - 2.8	54	17,500	L4 (485 mm)	**151 9731**	**151 9742**
	3.2 x 5.2	2.0 - 3.3	49	15,000	L4 (485 mm)	**151 9732**	**151 9743**
	3.2 x 6.2	3.0 - 4.3	42	12,500	L4 (485 mm)	**151 9733**	**151 9744**
	3.2 x 7.2	4.0 - 5.3	37	12,500	L4 (485 mm)	**151 9734**	**151 9745**
	3.2 x 8.2	5.0 - 6.3	33	10,000	L4 (485 mm)	**151 9735**	**151 9750**

Steel

Dome head



D	D x L mm	mm	Number of rivets on mandrel ± 1		Mandrel length for nosepiece	* No.	* No.
3.2	**3.2 x 4.2**	1.0 - 2.3	59	17,500	L4 (485 mm)	**151 9644**	**151 9727**
	3.2 x 4.7	1.5 - 2.8	54	17,500	L4 (485 mm)	**151 9736**	**151 9760**
	3.2 x 5.2	2.0 - 3.3	49	15,000	L4 (485 mm)	**151 9737**	**151 9771**
	3.2 x 6.2	3.0 - 4.3	42	12,500	L4 (485 mm)	**151 9738**	**151 9772**
	3.2 x 7.2	4.0 - 5.3	37	12,500	L4 (485 mm)	**151 9740**	**151 9773**
	3.2 x 8.2	5.0 - 6.3	33	10,000	L4 (485 mm)	**151 9741**	**151 9774**

Other oversizes and dimensions on request.
For details see table **page 177** and **page 179**.

SPEED BULB®

The Speed Bulb® is available in a large number of versions. The individual properties are shown in the following table of possible combinations.

Head shape	Material	D mm	D x L mm	mm	Number of rivets on mandrel ± 1	
Dome head	Alu/Steel	3.2	3.2 x 3.7	0.5 - 1.8	65	20,000
			3.2 x 9.2	6.0 - 7.3	29	10,000
			3.2 x 10.2	7.0 - 8.3	27	10,000
			3.2 x 11.2	8.0 - 9.3	25	10,000
		4.0	4.0 x 4.3	1.0 - 2.3	57	17,500
			4.0 x 4.8	1.5 - 2.8	52	17,500
			4.0 x 5.3	2.0 - 3.3	48	15,000
			4.0 x 6.3	3.0 - 4.3	41	15,000
			4.0 x 7.3	4.0 - 5.3	36	12,500
			4.0 x 8.3	5.0 - 6.3	32	12,500
			4.0 x 9.3	6.0 - 7.3	29	12,500
			4.0 x 10.3	7.0 - 8.3	26	10,000
			4.0 x 11.3	8.0 - 9.3	24	10,000
		4.8	4.8 x 5.2	1.5 - 2.8	47	12,500
			4.8 x 5.7	2.0 - 3.3	43	10,000
			4.8 x 6.7	3.0 - 4.3	38	10,000
			4.8 x 7.2	3.5 - 4.8	35	10,000
			4.8 x 7.7	4.0 - 5.3	34	10,000
			4.8 x 8.7	5.0 - 6.3	30	7,500
			4.8 x 9.7	6.0 - 7.3	27	7,500
			4.8 x 10.7	7.0 - 8.3	25	7,500
			4.8 x 11.7	8.0 - 9.3	23	7,500

SHEAR AND TENSILE STRENGTH SPEED BULB® *

D mm	N	N	max. k mm	max. d_k mm
DOME HEAD ALU				
3.2	**700**	**1,300**	1.0	6.6
4.0	**1,100**	**1,700**	1.0	8.3
4.8	**1,500**	**2,700**	1.2	9.8
DOME HEAD STEEL				
3.2	**1,100**	**1,800**	1.0	6.6
4.0	**1,600**	**2,800**	1.0	8.3
4.8	**2,200**	**3,700**	1.2	9.8

D = Rivet body Ø
k = Height of head
d_k = Setting head Ø

*Typical data, measured at the longest rivet body length

TAURUS® 1 SPEED RIVET

The speed riveting tool for extremely fast and perfect setting processes

No. 1457684 Basic tool

TECHNICAL DATA

Weight	1.8 kg
Operating pressure	5-7 bar
Air hose connection	6 Ø (1/4")
Air consumption	approx. 1 liter per rivet
Traction power	3,500 N at 6 bar
Stroke	26.0 mm

WORKING RANGE

Ø mm

	2.4	3.0	3.2	4.0	4.8	5.0	6.0	6.4	8.0
AL									
Steel									

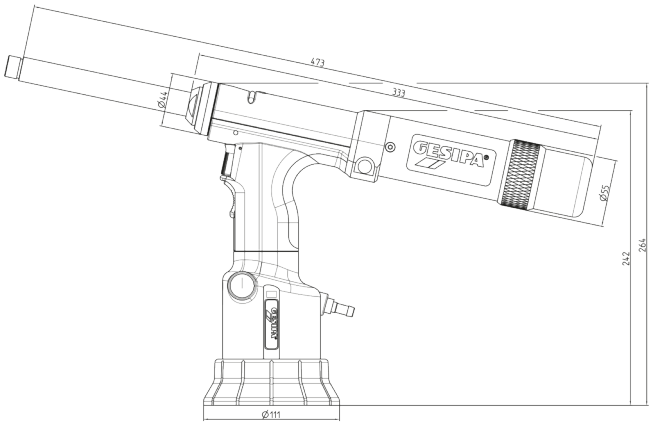
Stainless steel processing depending on application (max. mandrel Ø 2.7 mm)

SCOPE OF DELIVERY

Hanger on the device head, rubber foot, 1 bottle of hydraulic oil 100 ml, 1 oil refill container, 1 oil press, operating instructions, slide lock (max. mandrel Ø 2.7 mm)

ADVANTAGES

- → Fast setting process, short cycle times
- → Ergonomic handling for fatigue-free working
- → Lightweight and compact design
- → Modular design based on TAURUS®
- → Softgrip
- → Tool-free conversion of spreader nosepiece and spring



Dimensions in mm

184 184

The spreader nosepiece and mandrel spring are not included in the scope of delivery. They can be ordered as special accessories.

TAURUS® 2 SPEED RIVET

The speed riveting tool for extremely fast and perfect setting processes

No. 1457833 Basic tool

TECHNICAL DATA

Weight	2 kg
Operating pressure	5-7 bar
Air hose connection	6 Ø (1/4")
Air consumption	approx. 2.3 liter per rivet
Traction power	6,500 N at 6 bar
Stroke	30.0 mm

WORKING RANGE

Ø mm

	2.4	3.0	3.2	4.0	4.8	5.0	6.0	6.4	8.0
AL									
Steel									

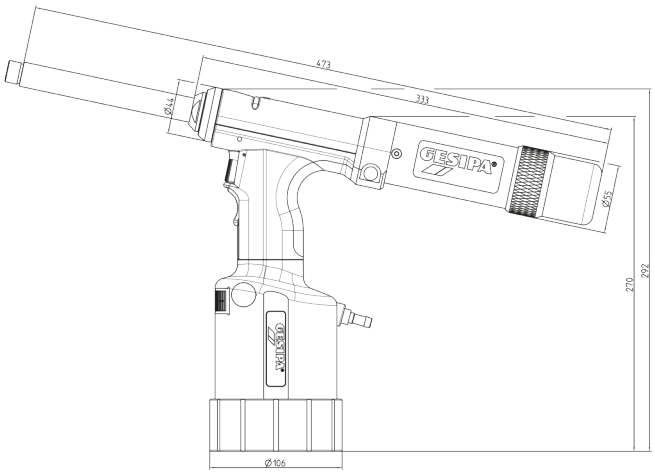
Stainless steel processing depending on application
(max. mandrel Ø 2.7 mm)

SCOPE OF DELIVERY

Hanger on the device head, 1 bottle of hydraulic oil 100 ml, 1 oil refill container, 1 oil press, operating instructions, slide lock (max. mandrel Ø 2.7 mm)

ADVANTAGES

- → Fast setting process, short cycle times
- → Ergonomic handling for fatigue-free working
- → Lightweight and compact design
- → Modular design based on the TAURUS®
- → Softgrip
- → Tool-free conversion of spreader nosepiece and spring



Dimensions in mm

184 184

The spreader nosepiece and mandrel spring are not included in the scope of delivery. They can be ordered as special accessories.

TAURUS® 1 SPEED RIVET AXIAL ECO

The speed riveting tools in axial version for special applications

No. 1457692 Basic tool

TECHNICAL DATA

Weight	1.8 kg
Operating pressure	5-7 bar
Air hose connection	6 Ø (1/4")
Air consumption	approx. 1 liter per rivet
Traction power	3,500 N at 6 bar
Stroke	26.0 mm

WORKING RANGE

Ø mm

	2.4	3.0	3.2	4.0	4.8	5.0	6.0	6.4	8.0
AL									
Steel									

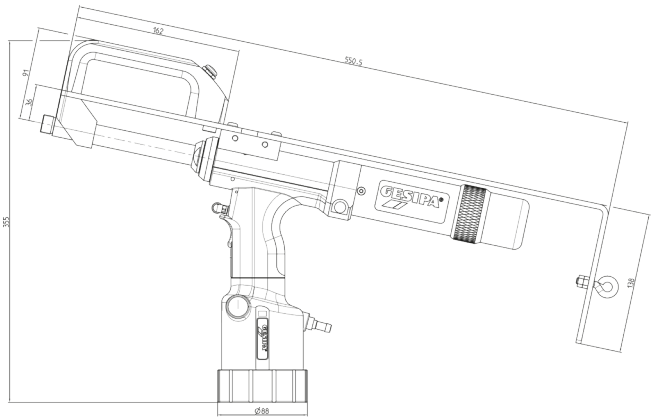
Stainless steel processing depending on application (max. mandrel Ø 2.7 mm)

SCOPE OF DELIVERY

1 bottle of hydraulic oil 100 ml, 1 oil refill container, 1 oil press, operating instructions, slide lock (max. mandrel Ø 2.7 mm)

ADVANTAGES

- → Ideal for fixtures or semi-automated workstations
- → Very practical for processing standard speed rivets in places that require a vertical riveting process
- → Can be suspended from a balancer
- → Fast setting process, short cycle times
- → Ergonomic handling for fatigue-free working
- → Lightweight and compact design
- → Modular design based on TAURUS®
- → Softgrip



Dimensions in mm

184 184

The spreader nosepiece and mandrel spring are not included in the scope of delivery. They can be ordered as special accessories.

TAURUS® 2 SPEED RIVET AXIAL ECO

The speed riveting tools in axial version for special applications

No. 1450931 Basic tool

TECHNICAL DATA

Weight	2 kg
Operating pressure	5-7 bar
Air hose connection	6 Ø (1/4")
Air consumption	approx. 2.3 liter per rivet
Traction power	6,500 N at 6 bar
Stroke	30.0 mm

WORKING RANGE

Ø mm

	2.4	3.0	3.2	4.0	4.8	5.0	6.0	6.4	8.0
AL									
Steel									

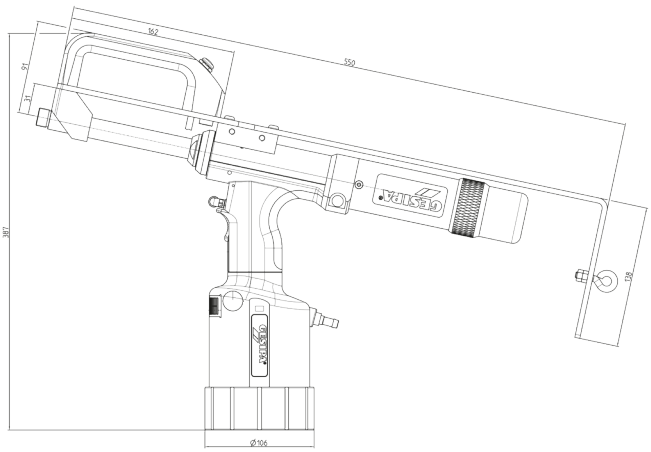
Stainless steel processing depending on application (max. mandrel Ø 2.7 mm)

SCOPE OF DELIVERY

Hanger on the device head, 1 bottle of hydraulic oil 100 ml, 1 oil refill container, 1 oil press, operating instructions, slide lock (max. mandrel Ø 2.7 mm)

ADVANTAGES

- → Ideal for fixtures or semi-automated workstations
- → Very practical for processing standard speed rivets in places that require a vertical riveting process
- → Can be suspended from a balancer
- → Fast setting process, short cycle times
- → Ergonomic handling for fatigue-free working
- → Lightweight and compact design
- → Modular design based on TAURUS®
- → Softgrip
- → Tool-free conversion of spreader nosepiece and spring



Dimensions in mm

184 184

The spreader nosepiece and mandrel spring are not included in the scope of delivery. They can be ordered as special accessories.

SPREADER NOSEPIECES

- → **Standard:** For easy to access riveting points
- → **Standard pointed:** For countersunk head rivets
- → **Extended and extended bent:** For difficult to access riveting points
- → **With opening mechanism:** Makes it easier to open the nosepiece so that speed rivets can be changed more conveniently and quickly.

MANDREL SPRING

- → **Standard:** For standard spreader nosepiece with or without opening mechanism.
- → **Extended:** For extended spreader nosepiece with or without opening mechanism.

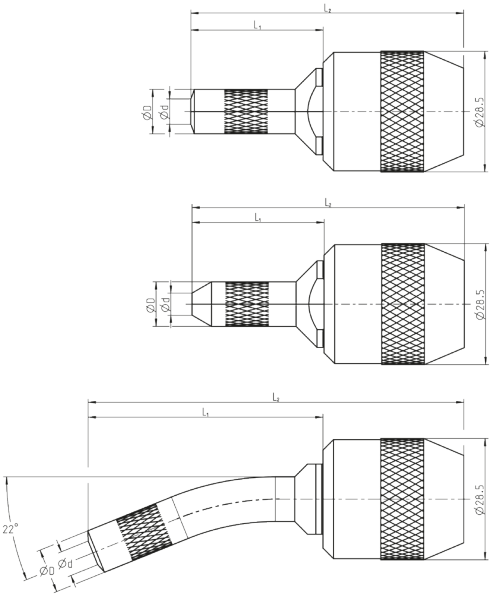
	Rivet Ø (mm)	mandrel Ø (mm)	No.
Standard	2.4	2.1	155 3517
	3.2	2.1	145 7759
	4.0	2.3	145 7761
	4.8	2.7	145 7763
Extended	3.2	2.1	145 7760
	4.0	2.3	145 7762
	4.8	2.7	145 7764

SLIDE LOCK

mandrel- Ø (mm)	No.
2.7	145 0918
3.0	170 4199

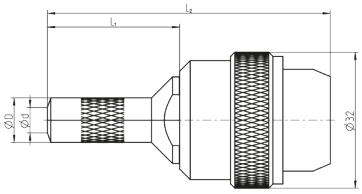
SPREADER NOSEPIECE WITHOUT OPENING MECHANISM

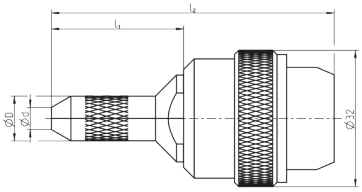
	Rivet Ø (mm)	No.	Ø d (mm)	Ø D (mm)	L1 (mm)	L2 (mm)
Standard	2.4	155 6918	5	9.5	31	64
	3.2	145 7753	6	10.5		
	4.0	145 7754	7.5	12		
	4.8	145 7755	9	14		
Extended	3.2	145 7756	6	10.5	57	90
	4.0	145 7757	7.5	12		
	4.8	145 7758	9	14		
Standard pointed	3.2	145 0900	6	10.5	31	64
	4.0	145 0901	7.5	12		
	4.8	145 0902	9	14		
Extended bent	3.2	145 0903	6	10.5	55	88
	4.0	145 0904	7.5	12	55.5	88.5
	4.8	145 0905	9	14	56	89

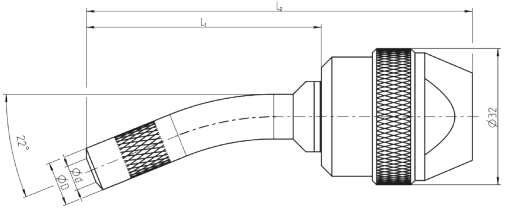


SPREADER NOSEPIECE WITH OPENING MECHANISM

	Rivet Ø (mm)	No.	Ø d (mm)	Ø D (mm)	L1 (mm)	L2 (mm)
Standard	**2.4**	**155 6919**	5	9.5	31	67
	3.2	**145 0906**	6	10.5		
	4.0	**145 0907**	7.5	12		
	4.8	**145 0908**	9	14		
Extended	**3.2**	**145 0909**	6	10.5	57	92
	4.0	**145 0910**	7.5	12		
	4.8	**145 0911**	9	14		
Standard pointed	**3.2**	**145 0912**	6	10.5	31	67
	4.0	**145 0913**	7.5	12		
	4.8	**145 0914**	9	14		
Extended bent	**3.2**	**145 0915**	6	10.5	55	91
	4.0	**145 0916**	7.5	12		
	4.8	**145 0917**	9	14	56	





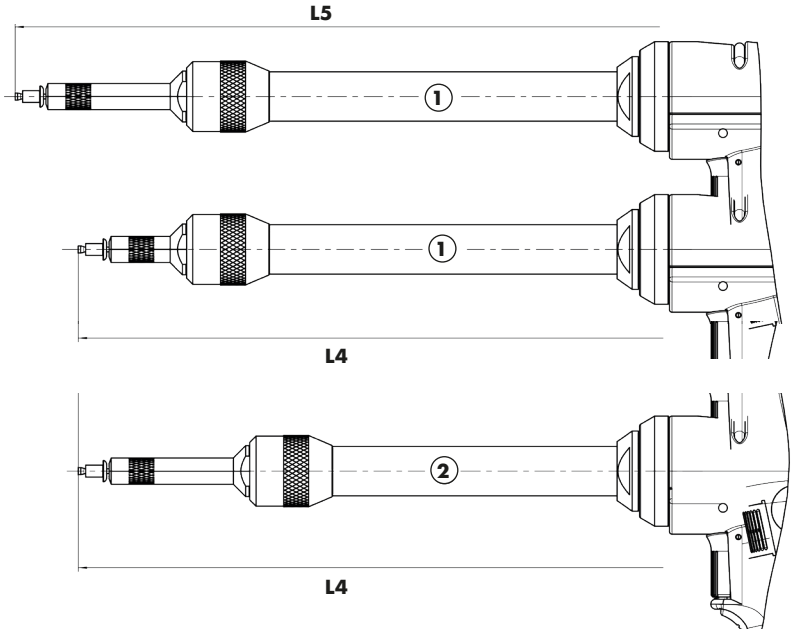


Other spreader nosepieces and mandrel springs on request.

4

GUIDE TUBE for GESIPA® Speed Rivet setting tools

The short guide tube means that TAURUS® Speed Rivet setting tools can work with the standard L4 mandrel length even with long and curved nosepieces.



Standard 1

No. 1435710

L5 mandrel length required **L5 ≈ 510 mm** for a long or curved nosepiece

Suitable for standard mandrel length **L4 L4 ≈ 485 mm** for standard nosepiece

Shortened 2

No. 1639244

Suitable for standard mandrel length **L4 L4 ≈ 485 mm** for a long or curved nosepiece

LOCK BOLT SETTING TOOLS

Innovative, strong and reliable – connections are last long and free from vibration.

LOCK BOLT SETTING TOOLS

188

PowerBird® Pro Gold Edition SRB

TAURUS® 3 SRB

TAURUS® 4 SRB

TAURUS® 4 SRB with angle head 90° compact

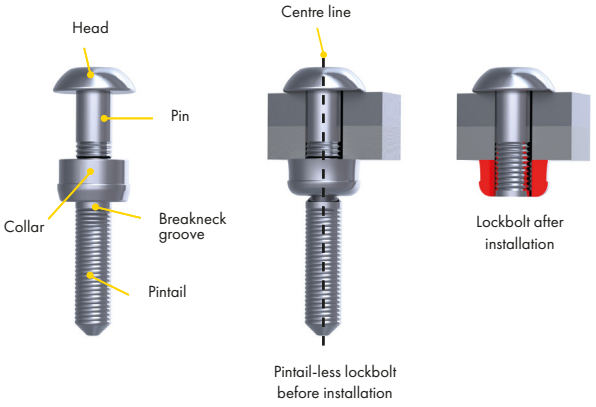
Lockbolts are used where there are particularly high requirements regarding the durability and vibration safety of the connection. The connection requires the components of the lockbolt to be accessible from two sides. Because the locking ring moulds into the retaining grooves during the setting process, the connection is extremely durable and secure against coming loose on its own.

The GESIPA® lock bolt setting devices in the TAURUS® series have been developed using a modular concept and are an ideal composition of experience and consistent further development by our experienced engineers. The lockbolt setting devices guarantee high-quality setting processes and therefore long-lasting and permanently tight connections. In the truck & trailer field in particular, GESIPA® devices ensure fast, troublefree working processes.

Fastening material by means of lockbolts

With standard lockbolts, the setting process itself is very similar to the blind riveting process.

1. The pin is positioned on one side and the collar on the other side of the materials to be joined.
2. The setting tool grasps the pin while pushing itself against the collar.
3. By pulling the pin the application materials are pressed together and the collar is forced into the grooves of the pin.
4. The joining process is finished once the setting tool hits the joint´s surface and the pin breaks off at the predetermined fracture point because of the increasing tensile strength.



POWERBIRD® PRO GOLD EDITION SRB

The new battery-powered tool for safe and fast processing of lockbolts

18 V

NEW

CAS

For lockbolts 4.8 mm (3/16“) Magna-Grip®*

No. 1827432

For lockbolts 4.8 mm (3/16“) C6L

No. 1827414

For lockbolts 6.4 mm (1/4") C6L

No. 1827416

For lockbolts 6.4 mm (1/4") Magna-Grip®*

No. 1827434

TECHNICAL DATA

Setting force	20,000 N
Weight	2.3 kg (Battery 4,0 Ah)
Drive	Brushless DC motor (BLDC)
Stroke	25.0 mm

WORKING RANGE

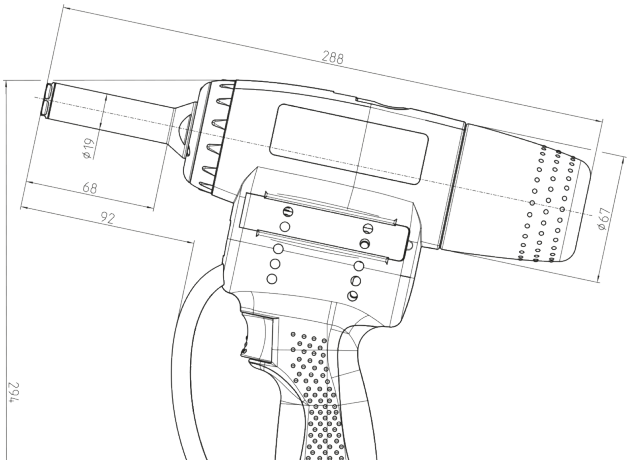
Sets lockbolts in the variants Magna-Grip®* and C6L* from Ø 4.8mm to Ø 6.4mm.

SCOPE OF DELIVERY

1x 6-sided offset screwdriver, 1x SW14/17 maintenance wrench and operating instructions

ADVANTAGES

- → Battery-powered lockbolt setting tools
- → Can be used anywhere
- → CAS platform
- → Ergonomic handling



Dimensions in mm

JAW MECHANISM ASSIGNMENT

For lockbolts 4.8 / 6.4 mm Magna-Grip®

Designation	Ø 4,8 mm	Ø 6,4 mm
Nosepiece	**1434810**	**1435942**
Jaw	**1446118**	**1446105**
Jaw housing	**1435945**	**1435997**
Supporting ring	-	**1435995**

For lockbolts 4.8 / 6.4 mm C6L

Designation	Ø 4,8 mm	Ø 6,4 mm
Nosepiece	**1434809**	**1435993**
Jaw	**1446117**	**1446116**
Jaw housing	**1435944**	**1435997**
Supporting sleeve	**1435943**	**1455943**

The suitability of nosepiece and fastener needs to be tested by the user and is user's own responsibility!

*Registered trademark of Huck International Inc.

TAURUS® 3 SRB

The pneumatic tool for safe and fast installation of lockbolts

No. 1450952 For lockbolts 4.8 mm (3/16") C6L

No. 1450953 For lockbolts 4.8 mm (3/16") Magna-Grip®*

TECHNICAL DATA

Weight	2 kg
Operating air pressure	5-7 bar
Air hose connection	6 Ø (1/4")
Air consumption	ca. 4.8 liter per rivet
Setting force	18,000 N at 6 bar
Stroke	25.0 mm

WORKING RANGE

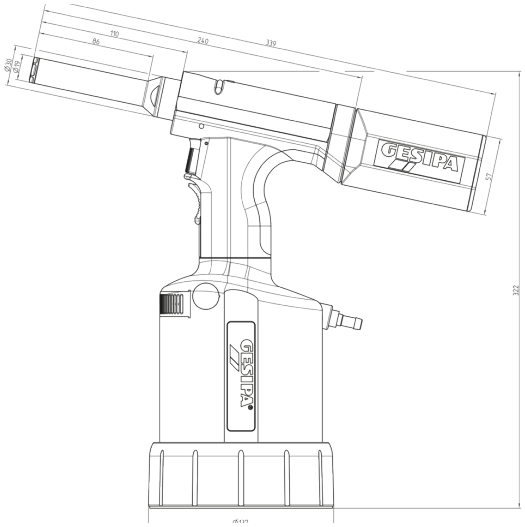
Sets 4.8 lockbolts in the variants Magna-Grip®* and C6L.

SCOPE OF DELIVERY

1 bottle of hydraulic oil 100 ml, 1 oil refill bottle, 1 maintenance wrench SW 14/17 and SW 12/14, 1 operating manual

ADVANTAGES

→ Specially adapted stroke
→ Very high tensile strength > fast setting process
→ Very light
→ Compact design
→ Extremely handy
→ Economical air consumption
→ Low-wear



Dimensions in mm

JAW MECHANISM ASSIGNMENT

For lockbolts 4.8 mm Magna-Grip®

Designation	No.
Nosepiece	**1434810**
Jaw	**1446118**
Jaw housing	**1435945**

For lockbolts 4.8 mm C6L

Designation	No.
Nosepiece	**1434809**
Supporting sleeve	**1435943**
Jaw	**1446117**
Jaw housing	**1435944**

The suitability of nosepiece and fastener needs to be tested by the user and is user's own responsibility!

*Registered trademark of Huck International Inc.

TAURUS® 4 SRB

The pneumatic tool for the safe and fast processing of larger lockbolts

No. 1450985 For lockbolts 6.4 mm (1/4") C6L

No. 1450986 For lockbolts 6.4 mm (1/4") Magna-Grip®*

TECHNICAL DATA

Weight	2.2 kg
Operating air pressure	5-7 bar
Air hose connection	6
Air consumption	ca. 4.8 liter per rivet
Setting force	23,000 N at 6 bar
Stroke	19.0 mm

WORKING RANGE

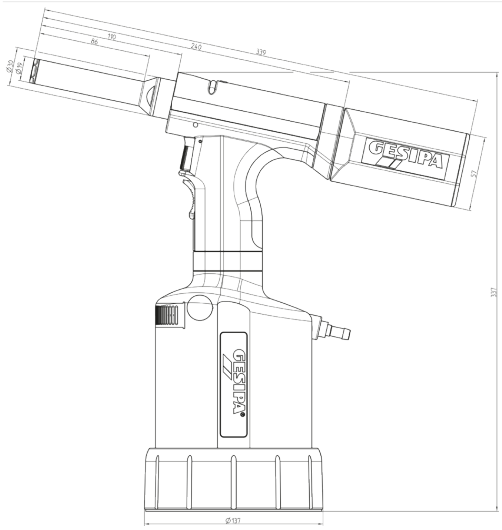
Sets 6.4 lockbolts in the variants C6L and Magna-Grip®*.

SCOPE OF DELIVERY

1 bottle of hydraulic oil 100 ml, 1 oil refill bottle, 1 maintenance wrench SW 14/17 and SW 12/14, 1 operating manual

ADVANTAGES

- → Specially adapted pull path
- → Very high pulling force > fast setting process
- → Very light
- → Compact design
- → Extremely handy
- → Economical air consumption
- → Low-wear



Dimensions in mm

JAW MECHANISM ASSIGNMENT

For lockbolts 6.4 mm Magna-Grip®

Designation	No.
Nosepiece	**1435942**
Supporting ring	**1435995**
Jaw	**1446105**
Jaw housing	**1435997**

For lockbolts 6.4 mm C6L

Designation	No.
Nosepiece	**1435993**
Supporting sleeve	**1435943**
Jaw	**1446116**
Jaw housing	**1435997**

The suitability of nosepiece and fastener needs to be tested by the user and is user's own responsibility!

*Registered trademark of Huck International Inc.

TAURUS® 4 SRB WITH ANGLE HEAD 90° COMPACT

The TAURUS® 4 SRB specially designed for areas that are difficult to access

No. 1457990 For lockbolts 6.4 mm (1/4") Magna-Grip®*

No. 1457989 For lockbolts 6.4 mm (1/4") C6L

TECHNICAL DATA

Weight	2.6 kg
Operating air pressure	5-7 bar
Air hose connection	6
Air consumption	ca. 4.8 liter per rivet
Setting force	23,000 N at 6 bar
Stroke	19.0 mm

WORKING RANGE

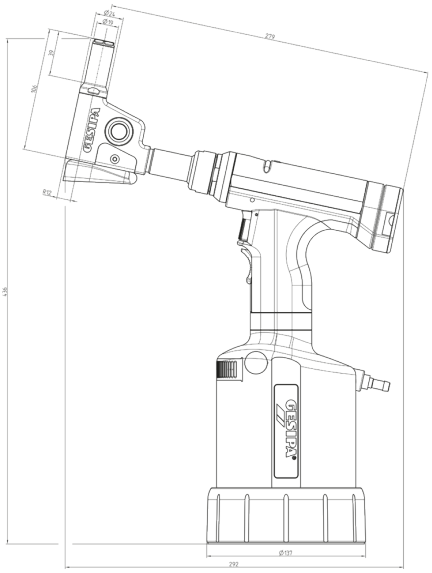
Sets 6.4 lockbolts in the variants Magna-Grip®* and C6L.

SCOPE OF DELIVERY

Angle head with noespiece in working position, 1 bottle of hydraulic oil 100 ml, 1 oil refill container, maintenance wrench SW 14/17 and SW 12/14, operating instructions

ADVANTAGES

- → Specially adapted stroke
- → Very high tensile strength > fast setting process
- → Very light
- → Compact design
- → Extremely handy
- → Economical air consumption
- → Low-wear



Dimensions in mm

JAW MECHANISM ASSIGNMENT

For lockbolts 6.4 mm Magna-Grip®

Designation	No.
Nosepiece	**1435942**
Supporting ring	**1435995**
Jaw	**1446105**
Jaw housing	**1435997**

For lockbolts 6.4 mm C6L

Designation	No.
Nosepiece	**1435993**
Supporting sleeve	**1435943**
Jaw	**1446116**
Jaw housing	**1435997**

The suitability of nosepiece and fastener needs to be tested by the user and is user's own responsibility!

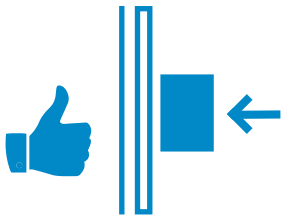
*Registered trademark of Huck International Inc.

BLIND RIVET NUTS TECHNOLOGY

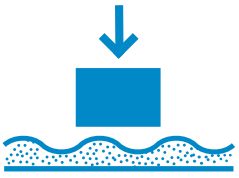
» trust
» move
» know
» understand
» create

GESIPA® BLIND RIVET NUT TECHNOLOGY GIVES YOU A MULTITUDE OF BENEFITS!

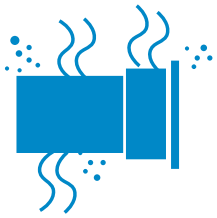
Easy and quick assembly, and the component only needs to be accessed from one side.



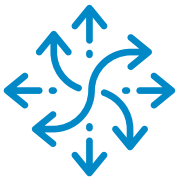
Placement of **high-quality** threads in **thin** and **soft** materials (steel, aluminium, magnesium, plastic, etc.)



No thermal influences on the components and therefore **no thermal distortion** or damage to the surfaces of the components. Reworking is not necessary.

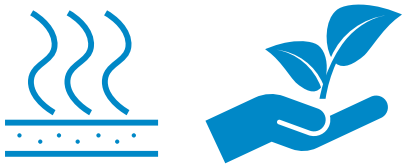


High degree of **flexibility** in the production process.



Production of **watertight** and **gas-tight** connections.

No emission of heat, smoke or welding fumes into the surrounding area and therefore no danger to people or the environment.



Low investment for assembly equipment. Versatile, can also be used for hybrid joints and soft materials.

GESIPA® BLIND RIVET NUTS

JOINING ELEMENT WITH THREAD

GESIPA® blind rivet nuts and blind rivet studs are joining elements used to produce load-bearing, high stress threads for non-permanent connections. Blind rivet nuts have an inside thread whereas blind rivet studs have an outside thread (threaded pin). As with blind rivets, two or more components can be joined with both joining elements.

APPLICATION-OPTIMISED JOINING ELEMENTS

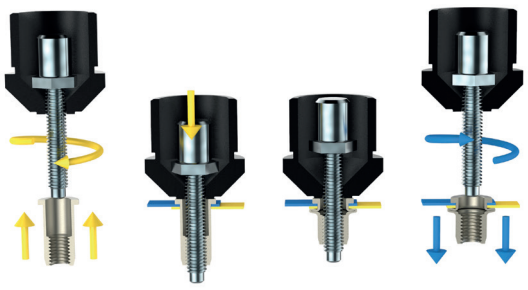
By manufacturing the joining elements ourselves at the GESIPA® production sites we are able to implement specific customer requirements economically and efficiently. We are the specialists for application-optimised blind rivet nuts and blind rivet studs.

APPLICATIONS

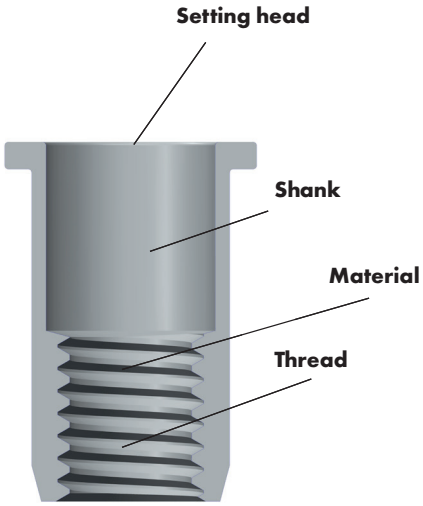
Blind rivet nuts and blind rivet studs are used in the most diverse areas of trade and industry – wherever a strong, non-permanent connection needs to be made.
For example:

- → Automotive
- → White goods
- → Heating and air conditioning
- → Electronics
- → Solar
- → Construction
- → Food industry

PROCESSING



YouTube
Watch processing on youtube!



GESIPA® BLIND RIVET NUT – TERMINOLOGY

The setting head is the part of the blind rivet nut that rests on the visible surface of the component. The user can choose between the following variants:

- → **Dome head**
  for a large contact surface on the component
- → **Small head**
  for minimum overlap of the blind rivet nut thus allowing the component to rest almost flat
- → **Countersunk head**
  for flat surfaces in countersunk holes

The **shank** is the part of the blind rivet nut that deforms during the setting procedure and fixes the blind rivet nut in the component. The so-called bulb is formed in this process. The user can choose from the following variants: Round, Knurled and Polygon (hexagon or square)

The material

Specific to the application, the customer can use blind rivet nuts made from steel, aluminium or stainless steel.

The thread

The GESIPA® blind rivet nuts have a metric thread as standard. The steel blind rivet nuts meet the requirements of strength class 8.8. Other dimensions, such as imperial or coarse thread, are available on request.

TECHNICAL DATA

» high quality
» tested
» safe

YOUR BENEFIT

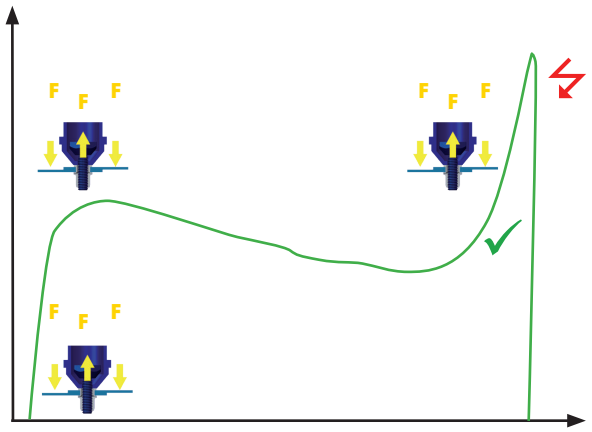
The specified forces and torques correspond to calculated values or values determined in tests. They aim to help the user select the suitable fastener. GESIPA® recommends testing the blind rivet nuts in the application. The actual values may differ from the information in the catalogue due to different circumstances. Please contact our technical team for further help and advice.

THE SETTING PROCESS

The picture shows a diagram of the force-stroke curve for setting a blind rivet nut in the lower clamping range. Initially the force rises steeply because the deformation zone of the blind rivet nut is first compressed. Once a certain force is reached, the deformation zone starts to fold outwards. Due to the fact that the resistance of the material is lower during the deformation and creation of the closing head, the force drops slightly.

FORCE DIAGRAM FOR A SETTING PROCESS

When the closing head meets the backside of the application, the pulling force starts increasing again. To ensure that the blind rivet nut sits tightly on the application material and does not slip when subjected to torque, the closing head must lie completely flat on the joining material (see cross-sections of the blind rivet nuts on the following page). If the setting process is not interrupted, the force will continue to rise until the thread is destroyed.



TECHNICAL DATA

SCHEMATIC LAYOUT FOR THE TORQUE TEST

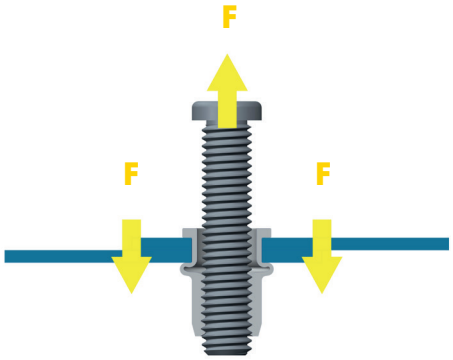
The tightening torque [(Nm) or (lb-ft)] specifies the maximum torque with which the screw can be tightened.

For testing, GESIPA® uses screws of the strength class 10.9 or higher that are free of all lubricants. A hardened washer is used as the clamping part. The test is carried out in the lower and the upper clamping range, where the blind rivet nuts are loaded with the specified torque. Then the screw is screwed out again.

The thread must still turn smoothly in order to pass the test. Then the blind rivet nut is loaded again up to the overtorque.

SCHEMATIC LAYOUT FOR THE THREAD TEAR-OUT TEST

The maximum bearable axial load on the thread is the thread breaking force [(N) and (kp)]. GESIPA® uses screws of the strength class 10.9 or higher that are free of all lubricants for the test. The test takes place in the lower and upper clamping range.



THE TIGHTENING TORQUE (NM) AND (LB-FT)

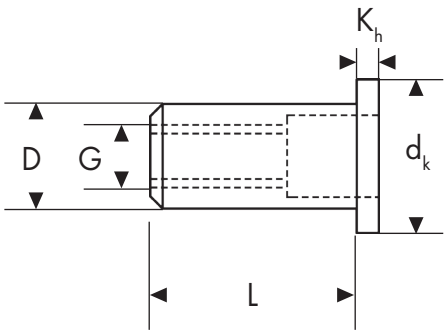
	Alu		Steel		Stainless steel A2 / A4 / Monel®	
	Nm	(lb-ft)	**Nm**	(lb-ft)	**Nm**	(lb-ft)
M4	**2.5**	1.8	**3.0**	2.2	**5.5**	4.1
M5	**5.0**	3.7	**8.0**	5.9	**14.0**	10.3
M6	**9.5**	7.0	**12.0**	8.9	**27.0**	19.9
M8	**17.5**	12.9	**30.0**	22.1	**40.0**	29.5
M10	**28.0**	20.7	**38.0**	28.0	**-**	

THREAD BREAKING FORCE (N) AND (KP)

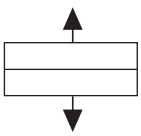
	Alu		Steel		Stainless steel A2 / A4 / Monel®	
	N	(kp)	**N**	(kp)	**N**	(kp)
M4	**4,800**	489	**8,000**	815	**10,000**	1,019
M5	**5,700**	581	**11,500**	1,172	**15,000**	1,529
M6	**9,500**	968	**18,000**	1,836	**> 25,000**	2,548
M8	**13,000**	1,325	**28,000**	2,853	**> 30,000**	3,057
M10	**14,000**	1,427	**30,000**	3,057	**-**	

TECHNICAL DATA

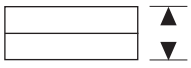
GESIPA® BLIND RIVET NUTS – DIMENSIONS



D = Rivet nut body Ø
L = Rivet nut body length
d_k = Setting head Ø
K_h = Height of head
G = Thread dimension



Shear strength



Grip range

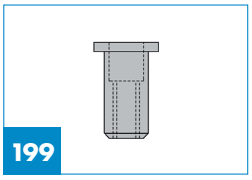
Hole Ø = d_h

For the hole Ø is generally a tolerance of +0.1 / 0 to note!

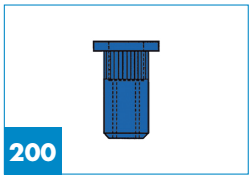
BLIND RIVET NUTS ALU

STANDARD

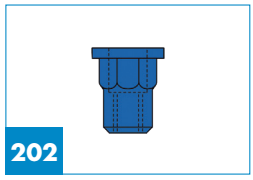
199



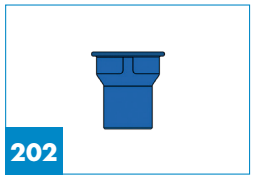
Alu



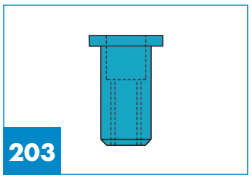
Steel splined



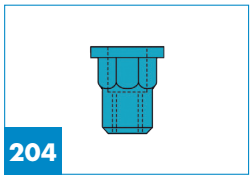
Steel half hexagonal



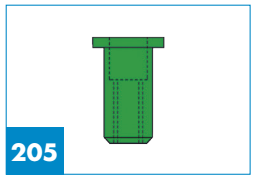
Steel square bodied



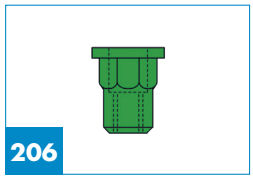
Stainless steel A2



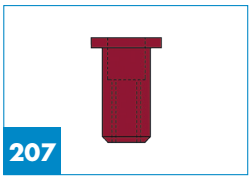
Stainless steel
A2 half hexagonal



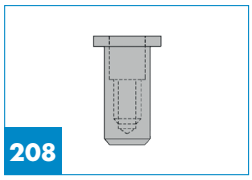
Stainless steel A4



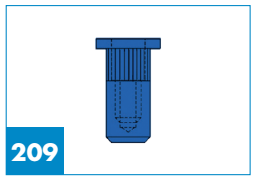
Stainless steel A4
half hexagonal



Monel®



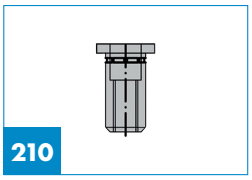
Alu closed end (CAP®)



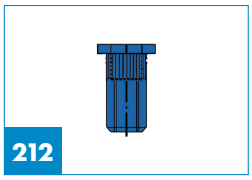
Steel closed end (CAP®)

OUT OF THE BOX

210

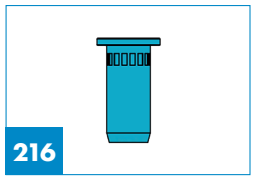


PolyGrip®

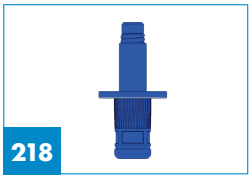


PolyGrip® splined steel

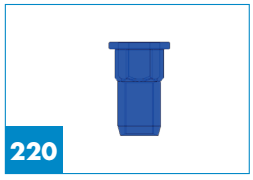
Light Weight



SoftGrip®

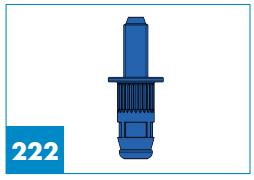


G-Sealed® splined,
closed end

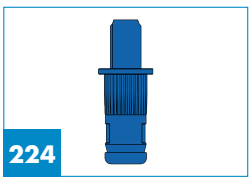


High Strength

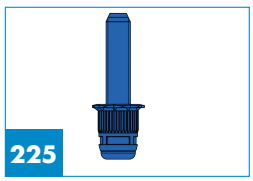
Torque Resistant



Blind rivet nut studs



PolyGrip® blind rivet
nut studs splined



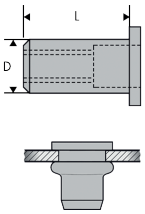
eFAST blind rivet nut studs

All steel blind rivet nuts
are splined!

BLIND RIVET NUTS ALU

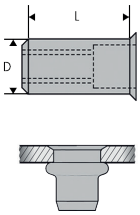
Material: Aluminium alloy

Dome head



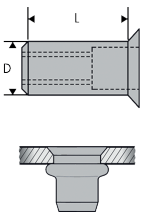
G	D × L mm	mm	No.		Nm	N	d_k	K_h
M 4	**6 × 11.0**	0.25 – 3	**1433676**	A 500	2.5	4800	9	0.8
6.1 mm	**6 × 13.0**	2.5 – 4.5	**1433677**	A 500	2.5	4800	9	0.8
M 5	**7 × 11.5**	0.25 – 3	**1433678**	A 500	5	5700	10	1
7.1 mm	**7 × 13.5**	2.5 – 5	**1433679**	A 500	5	5700	10	1
M 6	**9 × 15.5**	0.25 – 3.5	**1433680**	A 250	9.5	9500	12	1.5
9.1 mm	**9 × 18.0**	3 – 5.5	**1433681**	A 250	9.5	9500	12	1.5
M 8	**11 × 17.0**	0.25 – 3.5	**1433682**	A 100	17.5	13000	14	1.5
11.1 mm	**11 × 20.0**	3 – 6	**1433683**	A 100	17.5	13000	14	1.5
M 10	**12 × 17.5**	0.25 – 3.5	**1433684**	A 100	28	14000	15	1.5
12.1 mm	**12 × 20.5**	3 – 6	**1455345**	A 100	28	14000	15	1.5

Small head



G	D × L mm	mm	No.		Nm	N	d_k	K_h
M 4	**6 × 12.0**	0.5 – 3	**1433685**	A 500	2.5	4800	7.1	0.7
6.1 mm								
M 5	**7 × 12.5**	0.5 – 3	**1433686**	A 500	5	5700	8.1	0.7
7.1 mm								
M 6	**9 × 15.5**	0.5 – 3.5	**1433687**	A 250	9.5	9500	10.1	0.7
9.1 mm								
M 8	**11 × 17.0**	0.5 – 3.5	**1433688**	A 100	17.5	13000	12.1	0.7
11.1 mm								

Countersunk

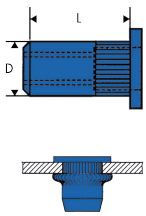


G	D × L mm	mm	No.		Nm	N	d_k	K_h
M 4	**6 × 12.0**	1.5 – 3.5	**1455346**	A 500	2.5	4800	9	1.5
6.1 mm	**6 × 13.5**	3 – 5	**1455347**	A 500	2.5	4800	9	1.5
M 5	**7 × 13.5**	1.5 – 4	**1455348**	A 500	5	5700	10	1.5
7.1 mm	**7 × 15.5**	3.5 – 6	**1455349**	A 500	5	5700	10	1.5
M 6	**9 × 17.0**	1.5 – 4.5	**1455350**	A 250	9.5	9500	12	1.5
9.1 mm	**9 × 19.0**	4 – 6.5	**1455351**	A 250	9.5	9500	12	1.5
M 8	**11 × 18.5**	1.5 – 4.5	**1455352**	A 100	17.5	13000	14	1.5
11.1 mm	**11 × 20.5**	4 – 6.5	**1455353**	A 100	17.5	13000	14	1.5
M 10	**12 × 19.0**	1.5 – 4.5	**1455354**	A 100	28	14000	15	1.5
12.1 mm	**12 × 21.0**	4 – 6.5	**1455355**	A 100	28	14000	15	1.5

BLIND RIVET NUTS STEEL SPLINED

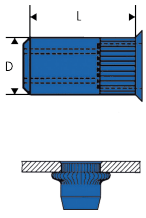
Material: Steel, zinc-plated

Dome head



G	D × L mm	mm	No.		Nm	N	d_k	K_h
M 4 6.1 mm	**6 × 11.0**	0.25 – 3	**1433703**	A 500	3	8000	9	0.8
	6 × 13.0	2.5 – 4.5	**1455362**	A 500	3	8000	9	0.8
M 5 7.1 mm	**7 × 11.5**	0.25 – 3	**1433704**	A 500	8	11500	10	1
	7 × 13.5	2.5 – 5	**1433705**	A 500	8	11500	10	1
M 6 9.1 mm	**9 × 15.5**	0.25 – 3.5	**1433706**	A 250	12	18000	12	1.5
	9 × 18.0	3 – 5.5	**1455363**	A 250	12	18000	12	1.5
	9 × 21.0	5.5 – 8	**1450364**	A 200	12	18000	12	1.5
	9 × 24.5	8 – 11	**1450365**	A 200	12	18000	12	1.5
M 8 11.1 mm	**11 × 17.0**	0.25 – 3.5	**1433707**	A 100	30	28000	14	1.5
	11 × 20.0	3 – 6	**1433708***	A 100	30	28000	14	1.5
	11 × 21.5	6 – 9	**1450366***	A 100	30	28000	14	1.5
	11 × 25.5	9 – 12	**1450367***	A 100	30	28000	14	1.5
M 10 12.1 mm	**12 × 17.5**	0.25 – 3.5	**1433709**	A 100	38	30000	15	1.5
	12 × 20.5	3 – 6	**1433710**	A 100	38	30000	15	1.5

Small head

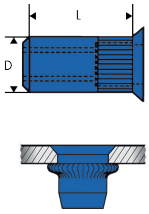


G	D × L mm	mm	No.		Nm	N	d_k	K_h
M 4 6.1 mm	**6 × 12.0**	0.25 – 3	**1433711**	A 500	3	8000	7.1	0.7
M 5 7.1 mm	**7 × 12.5**	0.25 – 3	**1433712**	A 500	8	11500	8.1	0.7
M 6 9.1 mm	**9 × 15.5**	0.25 – 3.5	**1433713**	A 250	12	11500	10.1	0.7
	9 × 19.0	3.5 – 5.5	**1450368**	A 250	12	18000	10.1	0.7
	9 × 22.0	5.5 – 8	**1450369****	A 250	12	18000	10.1	0.7
M 8 11.1 mm	**11 × 17.0**	0.25 – 3.5	**1433714**	A 100	30	28000	12.1	0.7
	11 × 21.0	3.5 – 5.5	**1450370***	A 100	30	28000	12.1	0.7
	11 × 23.0	5.5 – 9	**1450371**	A 100	30	28000	12.1	0.7
M 10 12.1 mm	**12 × 18.0**	1.5 – 4.5	**1464890**	A 100	38	30000	13.1	0.7
	12 × 20.0	4 – 6.5	**1464889**	A 100	38	30000	13.1	0.7

BLIND RIVET NUTS STEEL SPLINED

Material: Steel, zinc-plated

Countersunk



G	D × L mm	mm	No.		Nm	N	d_k	K_h
M 4	**6 × 12.0**	1.5 – 3.5	**1455365**	A 500	3	8000	9	1.5
6.1 mm	**6 × 13.5**	3 – 5	**1455366**	A 500	3	8000	9	1.5
M 5	**7 × 13.5**	1.5 – 4	**1455367**	A 500	8	11500	10	1.5
7.1 mm	**7 × 15.5**	3.5 – 6	**1455368**	A 500	8	11500	10	1.5
M 6	**9 × 17.0**	1.5 – 4.5	**1455369**	A 250	12	18000	12	1.5
	9 × 19.0	4 – 6.5	**1455370**	A 250	12	18000	12	1.5
9.1 mm	**9 × 23.0**	6.5 – 9	**1450372****	A 200	12	28000	12	1.5
M 8	**11 × 18.5**	1.5 – 4.5	**1433715**	A 100	30	28000	14	1.5
	11 × 20.5	4 – 6.5	**1455371**	A 100	30	28000	14	1.5
11.1 mm	**11 × 23.0**	6.5 – 9	**1450373**	A 100	30	28000	14	1.5
M 10	**12 × 19.0**	1.5 – 4.5	**1455372**	A 100	38	30000	15	1.5
12.1 mm	**12 × 21.0**	4 – 6.5	**1455373**	A 100	38	30000	15	1.5

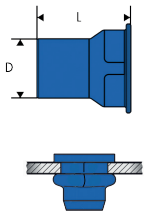
*Cannot be used with the standard mandrel + nosepiece. A longer mandrel or a conversion kit for DIN screws, is needed for this, page 247, 262, 268, 271 and page 234 (**does not apply to GMB 40-R /GBM 50)

BLIND RIVET NUTS STEEL

Material: Steel, zinc-plated

Square bodied

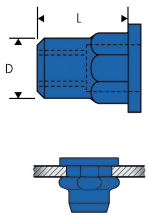
Dome head



G	D × L mm	mm	No.		Nm	N	d_k	K_h
M 5 SW7.1 + 0.1 mm	**7 × 12.0**	0.5 – 3	**1464921**	A 500	8	11500	10	1
M 6 SW9.1 + 0.1 mm	**9 × 15.5**	0.5 – 3	**1464922**	A 250	12	18000	13	1.5
M 8 SW11.1 + 0.1 mm	**11 × 17.0**	0.5 – 3	**1464923**	A 100	30	28000	16	1.5

Half hexagonal

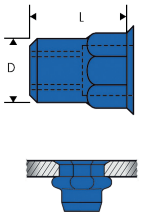
Dome head



G	D × L mm	mm	No.		Nm	N	d_k	K_h
M 4 SW6 + 0.1 mm	**6 × 11.0**	0.5 – 2	**1455377**	A 500	3	8000	9	0.8
M 5 SW7 + 0.1 mm	**7 × 12.0**	0.5 – 3	**1455378**	A 500	8	11500	10	1
M 6 SW9 + 0.1 mm	**9 × 15.5**	0.5 – 3	**1455379**	A 250	12	18000	13	1.5
M 8 SW11 + 0.1 mm	**11 × 17.0**	0.5 – 3	**1433716**	A 100	30	28000	16	1.5

Half hexagonal

Small head

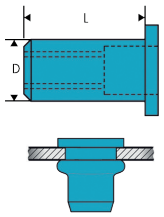


G	D × L mm	mm	No.		Nm	N	d_k	K_h
M 4 SW6 + 0.1 mm	**6 × 11.0**	0.5 – 2	**1455380**	A 500	3	8000	7.4	0.6
M 5 SW7 + 0.1 mm	**7 × 12.5**	0.5 – 3	**1455381**	A 500	8	11500	8.4	0.7
M 6 SW9 + 0.1 mm	**9 × 15.5**	0.5 – 3	**1455382**	A 250	12	18000	10.4	0.7
M 8 SW11 + 0.1 mm	**11 × 17.0**	0.5 – 3	**1455383**	A 100	30	28000	12.4	0.7

BLIND RIVET NUTS STAINLESS STEEL A2

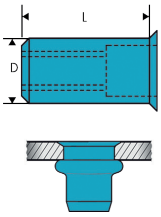
Material: Stainless Steel A2 - Nr. 1.4567

Dome head



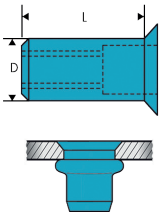
G	D × L mm	mm	No.		Nm	N	d_k	K_h
M 4	**6 × 11.0**	0.25 – 3	**1455444**	A 500	5.5	10000	9	0.8
6.1 mm	**6 × 13.0**	2.5 – 4	**1455445**	A 500	5.5	10000	9	0.8
M 5	**7 × 11.5**	0.25 – 3	**1433725**	A 500	14	15000	10	1
7.1 mm	**7 × 13.5**	2.5 – 4.5	**1433726**	A 500	14	15000	10	1
M 6	**9 × 15.5**	0.25 – 3.5	**1455446**	A 250	27	25000	12	1.5
9.1 mm	**9 × 18.0**	3 – 5.5	**1455447**	A 250	27	25000	12	1.5
M 8	**11 × 17.0**	0.25 – 3.5	**1455448**	A 100	40	30000	14	1.5
11.1 mm	**11 × 20.0**	3 – 6	**1455449**	A 100	40	30000	14	1.5

Small head



G	D × L mm	mm	No.		Nm	N	d_k	K_h
M 4	**6 × 12.0**	0.25 – 3	**1433727**	A 500	5.5	10000	9	0.7
6.1 mm								
M 5	**7 × 12.5**	0.25 – 3	**1433728**	A 500	14	15000	10	0.7
7.1 mm								
M 6	**9 × 15.5**	0.25 – 3.5	**1433729**	A 250	27	25000	12	0.7
9.1 mm								
M 8	**11 × 17.0**	0.25 – 3.5	**1433730**	A 100	40	30000	14	0.7
11.1 mm								

Countersunk



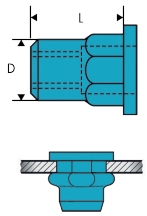
G	D × L mm	mm	No.		Nm	N	d_k	K_h
M 4	**6 × 12.0**	1.5 – 3	**1433731**	A 500	5.5	10000	9	1.6
6.1 mm	**6 × 13.0**	2.5 – 4	**1455450**	A 500	5.5	10000	9	1.6
M 5	**7 × 13.5**	1.5 – 4	**1433732**	A 500	14	15000	10	1.6
7.1 mm	**7 × 15.5**	3.5 – 6	**1455451**	A 500	14	15000	10	1.6
M 6	**9 × 17.0**	1.5 – 4.5	**1433733**	A 250	27	25000	12	1.6
9.1 mm	**9 × 18.5**	4 – 6	**1455452**	A 250	27	25000	12	1.6
M 8	**11 × 18.5**	1.5 – 4.5	**1433734**	A 100	40	30000	14	1.6
11.1 mm	**11 × 20.0**	4 – 6	**1455453**	A 100	40	30000	14	1.6

BLIND RIVET NUTS STAINLESS STEEL A2 HALF HEXAGONAL

Material: Stainless Steel A2 - Nr. 1.4567

A2 half hexagonal

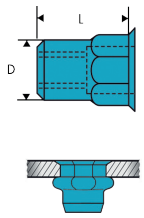
Dome head



G	D × L mm	mm	No.		Nm	N	d_k	K_h
M 4 SW6 + 0.1 mm	**6 × 11.0**	0.5 – 2	**1455454**	A 500	5.5	10000	9	0.8
M 5 SW7 + 0.1 mm	**7 × 12.0**	0.5 – 3	**1455455**	A 500	14	15000	10	1.1
M 6 SW9 + 0.1 mm	**9 × 15.5**	0.5 – 3	**1455456**	A 250	27	25000	13	1.5
M 8 SW11 + 0.1 mm	**11 × 17.0**	0.5 – 3	**1455457**	A 100	40	30000	16	1.5

A2 half hexagonal

Small head



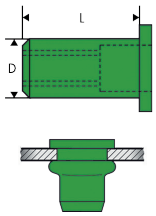
G	D × L mm	mm	No.		Nm	N	d_k	K_h
M 4 SW6 + 0.1 mm	**6 × 11.0**	0.5 – 2	**1455458**	A 500	5.5	10000	7.4	0.6
M 5 SW7 + 0.1 mm	**7 × 12.0**	0.5 – 3	**1455459**	A 500	14	15000	8.4	0.7
M 6 SW9 + 0.1 mm	**9 × 15.5**	0.5 – 3	**1455460**	A 250	27	25000	10.4	0.7
M 8 SW11 + 0.1 mm	**11 × 17.0**	0.5 – 3	**1455461**	A 100	40	30000	12.4	0.7

Material surcharge will be added at a daily rate

BLIND RIVET NUTS STAINLESS STEEL A4

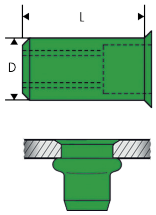
Material: Stainless Steel A2 - Nr. 1.4567

Dome head



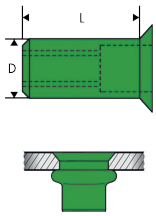
G	D × L mm	mm	No.		Nm	N	d_k	K_h
M 4	**6 × 11.0**	0.25 – 3	**1455468**	A 500	5.5	10000	9	0.8
6.1 mm	**6 × 13.0**	2.5 – 4	**1455473**	A 500	5.5	10000	9	0.8
M 5	**7 × 11.5**	0.25 – 3	**1455475**	A 500	14	15000	10	1
7.1 mm	**7 × 13.5**	2.5 – 4.5	**1455478**	A 500	14	15000	10	1
M 6	**9 × 15.5**	0.25 – 3.5	**1455462**	A 250	27	25000	12	1.5
9.1 mm	**9 × 18.0**	3 – 5.5	**1450381**	A 250	27	25000	12	1.5
M 8	**11 × 17.0**	0.25 – 3.5	**1455480**	A 100	40	30000	14	1.5
11.1 mm	**11 × 20.0**	3 – 6	**1455485**	A 100	40	30000	14	1.5

Small head



G	D × L mm	mm	No.		Nm	N	d_k	K_h
M 4	**6 × 12.0**	0.25 – 3	**1455472**	A 500	5.5	10000	7.1	0.7
6.1 mm								
M 5	**7 × 12.5**	0.25 – 3	**1455476**	A 500	14	15000	8.1	0.7
7.1 mm								
M 6	**9 × 15.5**	0.25 – 3.5	**1455465**	A 250	27	25000	10.1	0.7
9.1 mm								
M 8	**11 × 17.0**	0.25 – 3.5	**1455481**	A 100	40	30000	12.1	0.7
11.1 mm								

Countersunk



G	D × L mm	mm	No.		Nm	N	d_k	K_h
M 4	**6 × 12.0**	1.5 – 3	**1455471**	A 500	5.5	10000	9	1.6
6.1 mm	**6 × 13.0**	2.5 – 4	**1455474**	A 500	5.5	10000	9	1.6
M 5	**7 × 13.5**	1.5 – 4	**1455479**	A 500	14	15000	10	1.6
7.1 mm	**7 × 15.5**	3.5 – 6	**1450382**	A 500	14	15000	10	1.6
M 6	**9 × 17.0**	1.5 – 4.5	**1455464**	A 250	27	25000	12	1.6
9.1 mm	**9 × 18.5**	4 – 6	**1455463**	A 250	27	25000	12	1.6
M 8	**11 × 18.5**	1.5 – 4.5	**1455484**	A 100	40	30000	14	1.6
11.1 mm	**11 × 20.0**	4 – 6	**1455486**	A 100	40	30000	14	1.6

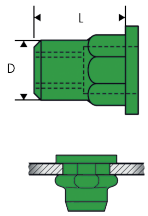
Material surcharge will be added at a daily rate

BLIND RIVET NUTS STAINLESS STEEL A4 HALF HEXAGONAL

Material: Stainless Steel A2 - Nr. 1.4567

A4 half hexagonal

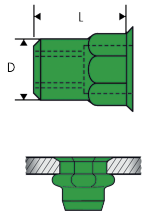
Dome head



G	D × L mm	mm	No.		Nm	N	d_k	K_h
M 4 SW6 + 0.1 mm	**6 × 11.0**	0.5 – 2	**1455469**	A 500	5.5	10000	9	0.8
M 5 SW7 + 0.1 mm	**7 × 12.0**	0.5 – 3	**1446456**	A 500	14	15000	10	1
M 6 SW9 + 0.1 mm	**9 × 15.5**	0.5 – 3	**1455466**	A 250	27	25000	13	1.5
M 8 SW11 + 0.1 mm	**11 × 17.0**	0.5 – 3	**1455482**	A 100	40	30000	16	1.5

A4 half hexagonal

Small head



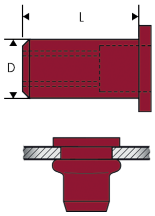
G	D × L mm	mm	No.		Nm	N	d_k	K_h
M 4 SW6 + 0.1 mm	**6 × 11.0**	0.5 – 2	**1455470**	A 500	5.5	10000	7.4	0.6
M 5 SW7 + 0.1 mm	**7 × 12.0**	0.5 – 3	**1455477**	A 500	14	15000	8.4	0.7
M 6 SW9 + 0.1 mm	**9 × 15.5**	0.5 – 3	**1455467**	A 250	27	25000	10.4	0.7
M 8 SW11 + 0.1 mm	**11 × 17.0**	0.5 – 3	**1455483**	A 100	40	30000	12.4	0.7

Material surcharge will be added at a daily rate

BLIND RIVET NUTS MONEL®

Material: Monel 400 NiCu30Fe 2.4360

Dome head



G	D × L mm	mm	No.		Nm	N	d_k	K_h
M 5 7.1 mm	**7 × 11.5**	0.25 – 3	**1464292**	A 500	14	15000	10	1
M 6 9.1 mm	**9 × 15.5**	0.25 – 3.5	**1455489**	A 250	27	25000	12	1.5
M 8 11.1 mm	**11 × 17.0**	0.25 – 3.5	**1464291**	A 100	40	30000	14	1.5

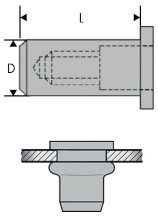
6

Material surcharge will be added at a daily rate

BLIND RIVET NUTS ALU CLOSED END (CAP®)

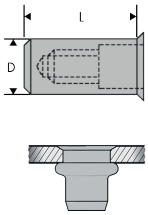
Material: Aluminium alloy

Dome head



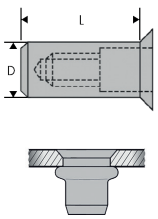
G	D × L mm	mm	No.		Nm	N	d_k	K_h
M 4 6.1 mm	**6 × 15.0**	0.25 – 3	**1464107**	A 500	2.5	4800	9	0.8
	6 × 17.0	2.5 – 4.5	**1464108**	A 500	2.5	4800	9	1
M 5 7.1 mm	**7 × 17.0**	0.25 – 3	**1464109**	A 500	5	5700	10	1
	7 × 19.0	2.5 – 5	**1464110**	A 250	5	5700	10	1
M 6 9.1 mm	**9 × 21.5**	0.25 – 3.5	**1464111**	A 100	9.5	9500	12	1.5
	9 × 24.5	3 – 5.5	**1464112**	A 100	9.5	9500	12	1.5
M 8 11.1 mm	**11 × 24.0**	0.25 – 3.5	**1464113**	A 100	17.5	13000	14	1.5
	11 × 27.0	3 – 6	**1464114**	A 100	17.5	13000	14	1.5

Small head



G	D × L mm	mm	No.		Nm	N	d_k	K_h
M 4 6.1 mm	**6 × 16.0**	0.25 – 3	**1464115**	A 500	2.5	4800	7.1	0.7
M 5 7.1 mm	**7 × 18.0**	0.25 – 3	**1464116**	A 500	5	5700	8.1	0.7
M 6 9.1 mm	**9 × 21.5**	0.25 – 3.5	**1464117**	A 250	9.5	9500	10.1	0.7

Countersunk

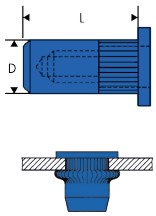


G	D × L mm	mm	No.		Nm	N	d_k	K_h
M 4 6.1 mm	**6 × 16.0**	1.5 – 3	**1464099**	A 500	2.5	4800	9	1.6
M 5 7.1 mm	**7 × 19.0**	1.5 – 4	**1464101**	A 250	5	5700	10	1.6
	7 × 21.0	3.5 – 6	**1464102**	A 250	5	5700	10	1.6
M 6 9.1 mm	**9 × 23.0**	1.5 – 4.5	**1464103**	A 100	9.5	9500	12	1.6
	9 × 25.0	4 – 6.5	**1464104**	A 100	9.5	9500	12	1.6
M 8 11.1 mm	**11 × 25.5**	1.5 – 4.5	**1464105**	A 100	17.5	13000	14	1.6
	11 × 27.5	4 – 6.5	**1464106**	A 100	17.5	13000	14	1.6

BLIND RIVET NUTS STEEL CLOSED END (CAP®)

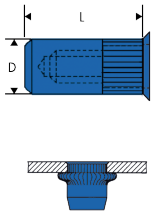
Material: Steel, zinc-plated

Dome head



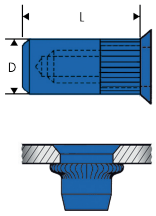
G	D × L mm	mm	No.		Nm	N	d_k	K_h
M 4	**6 × 15.0**	0.25 – 3	**1432370**	A 500	3	8000	9	0.8
6.1 mm	**6 × 17.0**	2.5 – 4.5	**1432369**	A 500	3	8000	9	1
M 5	**7 × 17.0**	0.25 – 3	**1432373**	A 500	8	11500	10	1
7.1 mm	**7 × 19.0**	2.5 – 5	**1432374**	A 250	8	11500	10	1
M 6	**9 × 21.5**	0.25 – 3.5	**1432375**	A 100	12	18000	12	1.5
9.1 mm	**9 × 24.5**	3 – 5.5	**1432376**	A 100	12	18000	12	1.5
M 8	**11 × 24.0**	0.25 – 3	**1432377**	A 100	30	28000	14	1.5
11.1 mm	**11 × 27.0**	3 – 6	**1432378**	A 100	30	28000	14	1.5

Small head



G	D × L mm	mm	No.		Nm	N	d_k	K_h
M 4	**6 × 16.0**	0.25 – 3	**1464295**	A 500	3	8000	7.1	0.7
6.1 mm								
M 5	**7 × 18.0**	0.25 – 3	**1464294**	A 250	8	11500	8.1	0.7
7.1 mm								
M 6	**9 × 21.5**	0.25 – 3.5	**1464293**	A 100	12	18000	10.1	0.7
9.1 mm								

Countersunk



G	D × L mm	mm	No.		Nm	N	d_k	K_h
M 4	**6 × 16.0**	1.5 – 3	**1432379**	A 500	3	8000	9	1.6
6.1 mm	**6 × 17.5**	3 – 5	**1432380**	A 500	3	8000	9	1.6
M 5	**7 × 19.0**	1.5 – 4	**1432381**	A 250	8	11500	10	1.6
7.1 mm	**7 × 21.0**	3.5 – 6	**1432382**	A 250	8	11500	10	1.6
M 6	**9 × 23.0**	1.5 – 4.5	**1432383**	A 100	12	18000	12	1.6
9.1 mm	**9 × 25.0**	4 – 6.5	**1432385**	A 100	12	18000	12	1.6
M 8	**11 × 25.5**	1.5 – 4.5	**1464297**	A 100	30	28000	14	1.6
11.1 mm	**11 × 27.5**	4 – 6.5	**1464296**	A 100	30	28000	14	1.6

POLYGRIP® BLIND RIVET NUTS

PolyGrip® blind rivet nuts with a large grip range

OVERVIEW

Grip range	0.25 – 6 mm
Dimensions	M 5 – M 8
Variants	Dome head
Material	● ● ● ●

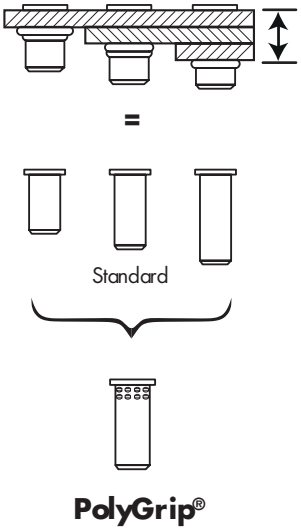
With its large drilling hole tolerance and the ability to cover several grip ranges with just one fastener, the PolyGrip® blind rivet nut has become the fastener of choice in many industrial applications and in the skilled trades.

ADVANTAGES

- → Can replace up to five different sizes of DIN standard blind rivet nuts due to the large grip range.
- → Reduces handling and storage costs
- → Reduces the risk of mix-ups in the workplace
- → Can help to reduce quality costs

Your benefits:

- → Type simplification
- → Limited type variety for reduced stocks
- → Lower risk of confusion therefore fewer mistakes in production



AREA OF APPLICATION

- → Universally usable

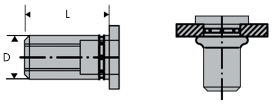
The best setting results can be achieved with GESIPA® FireBird® Pro!

Material surcharge will be added at a daily rate

POLYGRIP® BLIND RIVET NUTS

Aluminium alloy

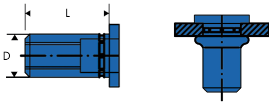
Dome head



G	D × L mm	mm	No.		Nm	N	d_k	K_h
M 5 7.1 mm	**7 × 13.5**	0.25 – 5	**1433791**	A 500	5	5700	10	1
M 6 9.1 mm	**9 × 18.0**	0.25 – 6	**1433792**	A 250	9.5	9500	12	1.5
M 8 11.1 mm	**11 × 20.0**	0.5 – 6.5	**1455561**	A 100	17.5	13000	14	1.5

Steel, zinc-plated

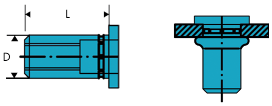
Dome head



G	D × L mm	mm	No.		Nm	N	d_k	K_h
M 5 7.1 mm	**7 × 13.5**	0.25 – 5	**1433793**	A 500	8	11500	10	1
M 6 9.1 mm	**9 × 18.0**	0.25 – 6	**1433794**	A 250	12	18000	12	1.5
M 8 11.1 mm	**11 × 20.0**	0.5 – 6.5	**1433795**	A 100	30	28000	14	1.5

Stainless Steel A2

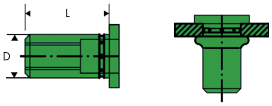
Dome head



G	D × L mm	mm	No.		Nm	N	d_k	K_h
M 5 7.1 mm	**7 × 13.5**	0.25 – 5	**1433796**	A 500	14	15000	10	1
M 6 9.1 mm	**9 × 18.0**	0.5 – 6	**1433797**	A 250	27	25000	12	1.5
M 8 11.1 mm	**11 × 20.0**	0.5 – 6.5	**1433798**	A 100	40	30000	14	1.5

Stainless Steel A4

Dome head



G	D × L mm	mm	No.		Nm	N	d_k	K_h
M 5 7.1 mm	**7 × 13.5**	0.25 – 5	**1450393**	A 500	14	15000	10	1
M 6 9.1 mm	**9 × 18.0**	0.5 – 6	**1455567**	A 250	27	25000	12	1.5
M 8 11.1 mm	**11 × 20.0**	0.5 – 6.5	**1455568**	A 100	40	30000	14	1.5

POLYGRIP® BLIND RIVET NUTS SPLINED

The splined multigrip blind rivet nuts for better anti-rotation protection in soft materials

OVERVIEW

Grip range	0.5 – 8 mm
Dimensions	M 6 – M 8
Variants	Dome head
Material	●

It combines the advantages of covering a large grip range with knurling for a high level of protection against twisting. The long longitudinal knurling ensures even setting behaviour across the entire grip range and a very large closing head.

ADVANTAGES

- → High torsional strength
- → Large grip range: can replace up to five different DIN standard blind rivet nuts
- → Very large closing head
- → Reduces handling and storage costs
- → Reduces the risk of confusion

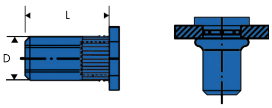
AREA OF APPLICATION

- → Universally usable

The best setting results can be achieved with GESIPA® FireBird® Pro!

POLYGRIP® BLIND RIVET NUTS SPLINED

Steel, zinc-plated
Dome head



G	D × L mm	mm	No.		Nm	N	d_k	K_h
M 6 9.1 mm	**9 × 18.0**	0.5 – 6.5	**1455562**	A 250	12	18000	12	1.5
M 8 11.1 mm	**11 × 20.0**	0.5 – 8	**1455563**	A 100	30	28000	14	1.5

BLIND RIVET NUT LIGHT WEIGHT

Light Weight blind rivet nuts –
Perfect when every gram counts!
Light. Compact. Strong.

OVERVIEW

Grip range	0.5 – 3 mm
Dimensions	M 5 – M 6
Variants	Dome head, Small head
Material	●

The new light weight blind rivet nut from GESIPA® is the next evolutionary step in blind rivet nuts. It meets the industry's requirements for weight reduction and conservation of resources, which are particularly important in the automotive sector. With the same mechanical properties, the BNM Light Weight saves up to 50% in weight by optimising material and design.

ADVANTAGES

- → Weight savings of up to 50%
- → Reduced space requirement on the closing head side
- → Mechanical strength properties analogous to conventional blind rivet nuts
- → Resource-efficient (production, transport, storage, weight of the end product)
- → Process monitoring and control possible
- → No third-party materials required (e.g. adhesive)

AREA OF APPLICATION

- → Automotive
- → Weight-sensitive applications
- → Confined spaces

5 STANDARD
BLIND RIVET NUTS
21,3 g

≅

10 LIGHT WEIGHT
BLIND RIVET NUTS
20,6 g

*GESIPA® Light Weight® is protected by the U.S. Pat. 10,648,500

BLIND RIVET NUT LIGHT WEIGHT

Material: Steel, zinc-plated

Steel, zinc-plated
Dome head

G	D × L mm	mm	No.		Nm	N	d_k	K_h
M 5 7.1 mm	**7 × 9.5**	0.5 – 3	**1658768**	A 500	8	11500	8.2	0.5
M 6 9.1 mm	**9 × 10.5**	0.5 – 3.5	**1658766**	A 250	12	18000	10.5	0.8

Steel, zinc-plated
Small head

G	D × L mm	mm	No.		Nm	N	d_k	K_h
M 5 7.1 mm	**7 × 9.5**	0.5 – 3	**1658769**	A 500	8	11500	7.5	0.5
M 6 9.1 mm	**9 × 10.5**	0.5 – 3.5	**1658767**	A 250	12	18000	10	0.6

SOFTGRIP® BLIND RIVET NUTS

SoftGrip® blind rivet nuts from GESIPA® allow for high-quality threads to be inserted easily into delicate lightweight applications.

OVERVIEW

Grip range	0.5 – 6.5 mm
Dimensions	M 6
Variants	Dome head
Material	

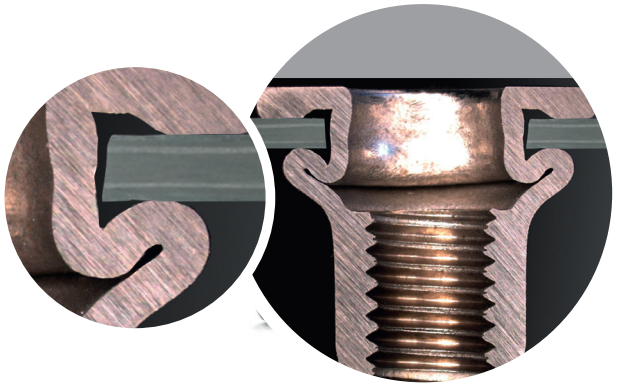
The assembly puts only a slight strain on the components. The large diameter of the closing head ensures very good mechanical properties. Damage to components is avoided. The controlled formation of the closing head and the reduced hole filling capability mean that smaller edge distances of the blind rivet nut can be realised with larger hole tolerances. The high-quality materials offer high corrosion resistance of the load-bearing thread.

ADVANTAGES

- → No component damage
- → High drilling hole tolerance
- → Process monitoring and control possible
- → High corrosion resistance of the load-bearing thread
- → Component-friendly assembly
- → No third-party materials required (adhesive)

AREA OF APPLICATION

- → Pressure or break-sensitive components
- → Corrosion-sensitive components

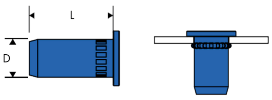


SOFTGRIP® BLIND RIVET NUTS

Perfect for plastics and soft materials
As a cost-effective alternative to the stainless steel SoftGrip®, the SoftGrip® steel blind rivet nut is the ideal functional component for plastics and soft materials where there is no need to prevent contact corrosion.

Steel

Dome head



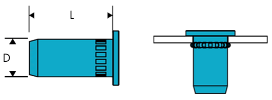
G	D × L mm	mm	No.		Nm	N	d_k	K_h
M 6	**9 × 20.0**	0.5 – 4.5	**1568810**	A 100	12	18000	13	1.5
9.1 mm	**9 × 20.0**	4.5 – 6.5	**1568811**	A 100	12	18000	13	1.5
	9 × 20.0	0.5 – 4.5	**1568874**	A 100	12	18000	16	1.5
	9 × 20.0	4.5 – 6.5	**1568875**	A 100	12	18000	16	1.5
	9 × 20.0	0.5 – 4.5	**1568878**	A 100	12	18000	18	1.5
	9 × 20.0	4.5 – 6.5	**1568879**	A 100	12	18000	18	1.5

The standard SoftGrip® can be adapted in accordance with special requirements and specific customer requests in many areas. Other dimensions available on request.

Ideal for CFRP applications
The high-quality materials stainless A2 and A4 also ensure that the load-bearing thread is highly resistant to corrosion, making the GESIPA® SoftGrip® stainless steel blind rivet nut ideal for use with CFRP materials.

Stainless steel A2

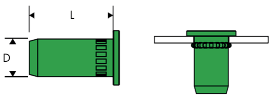
Dome head



G	D × L mm	mm	No.		Nm	N	d_k	K_h
M 6	**9 × 20.0**	0.5 – 4.5	**1523786**	A 100	27	25000	16	1.5
9.1 mm	**9 × 20.0**	4.5 – 6.5	**1523787**	A 100	27	25000	16	1.5
	9 × 20.0	0.5 – 4.5	**1567589**	A 100	27	25000	18	1.5
	9 × 20.0	4.5 – 6.5	**1568804**	A 100	27	25000	18	1.5

Stainless steel A4

Dome head



G	D × L mm	mm	No.		Nm	N	d_k	K_h
M 6	**9 × 20.0**	0.5 – 4.5	**1568805**	A 100	27	25000	16	1.5
9.1 mm	**9 × 20.0**	4.5 – 6.5	**1568806**	A 100	27	25000	16	1.5
	9 × 20.0	0.5 – 4.5	**1568807**	A 100	27	25000	18	1.5
	9 × 20.0	4.5 – 6.5	**1568808**	A 100	27	25000	18	1.5

BLIND RIVET NUT G-SEALED® SPLINED, CLOSED END

The new blind rivet nut with pre-coating offers excellent resistance.

OVERVIEW

Grip range	0.25 – 3 mm
Dimensions	M 4 – M 8
Variants	Dome head
Material	●

G-sealed® is a non-reactive pre-coating used to create an underhead seal for blind rivet nuts, blind rivet nut bolts and blind rivets. The combination of a knurled CAP® steel blind rivet nut with the G-sealed® underhead seal creates an instant seal and highly durable thread.

ADVANTAGES

- → Non-reactive and non-curing coating
- → Immediate sealing directly after fastener installation
- → A dry, elastic and touch-dry coating
- → Good thermal and chemical resistance
- → Applicable to metallic and non-metallic materials
- → Labelling-free and thus not hazardous or harmful to the environment

AREA OF APPLICATION

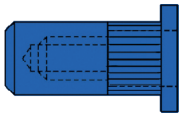
- → Automotive industry
- → Control cabinet construction
- → Housing construction

Other dimensions on request.

BLIND RIVET NUT G-SEALED® SPLINED, CLOSED END

Material: Steel, zinc-plated

Dome head



G	D × L mm	mm	No.		Nm	N	d_k	K_h	
M 4 6.1 mm	**6 × 15.0**	0.25 – 3	**1758507**	A 500	3	8000	10	0.8	NEW
M 5 7.1 mm	**7 × 17.0**	0.25 – 3	**1758508**	A 500	8	11500	11	1	NEW
M 6 9.1 mm	**9 × 21.5**	0.25 – 3.5	**1758509**	A 100	12	18000	13	1.5	NEW
M 8 11.1 mm	**11 × 24.0**	0.25 – 3	**1758510**	A 100	30	28000	16	1.5	NEW

BLIND RIVET NUT HIGH STRENGTH

The blind rivet nut with an extra strong thread.

The blind rivet nut High Strength is the ideal choice for all applications where a particularly strong thread is required. The thread breaking strength far exceeds that of a standard blind rivet nut and the partially hexagonal rivet nut body provides the appropriate anti-twist protection.

STRENGTH

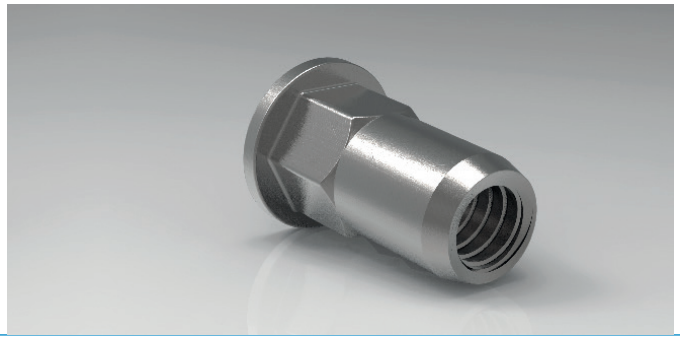
- Class 10 or 12 for steel blind rivet nuts
- Class 10.9 for steel blind rivet nut studs
- Class 8 for aluminium blind rivet nuts

ADVANTAGES

→ Quick to assemble with access from one side
→ Solutions for heavy-duty applications
→ Process monitoring possible
→ The mechanical properties are significantly higher than with standard steel blind rivet nuts
→ Optimises the fasteners in various applications (e.g. weight reduction)
→ Combination with customer-specific requirements and other GESIPA® innovations

AREA OF APPLICATION

→ Perfectly suited for highly stressed applications in body-in-white construction
→ Structural components (e.g. safety components, etc.)



BLIND RIVET NUT TORQUE RESISTANT

Efficient and reliable solution for aluminium profiles.

The Torque Resistant Blind Rivet Nut is the perfect solution for inserting threaded inserts into aluminium profiles with single-sided component accessibility.
According to the current state of the art, the rivet nut achieves the same mechanical properties that would otherwise only be possible with the use of hexagonal blind rivet nuts.

PRODUCT PORTFOLIO

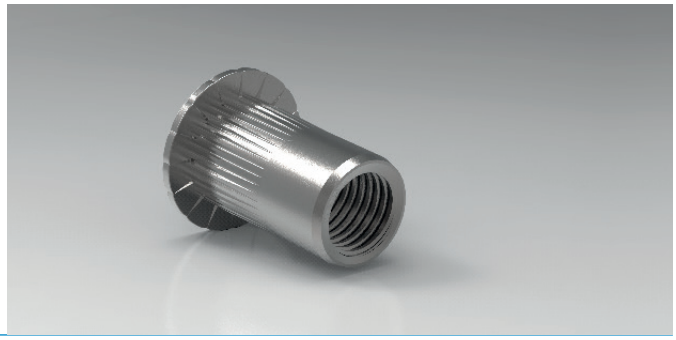
- Steel M6 with serration
- Steel M8 with serration
- Steel M10 with serration

ADVANTAGES

→ Cost-effective: Increased cost-effectiveness compared to hexagonal blind rivet nuts
→ Reliable: Increased process reliability and compensation for process fluctuations
→ Fast: Reduced costs and process time per joining point
→ Customisable: Product-specific adaptation to the application, surface coating according to customer requirements
→ Compatible with the entire GESIPA® system: Can be combined with other GESIPA® innovations

AREA OF APPLICATION

→ Aluminium extruded profiles with single-sided accessibility, such as
  - side members/longitudinal members
  - safety systems
  - structural profiles



BLIND RIVET NUT STUDS

The combination of blind rivet nuts and screws as an alternative or replacement for welding studs and press-in studs

OVERVIEW

Grip range	0.25 – 3 mm
Dimensions	M 4 – M 8
Variants	Dome head, Small head
Material	●

A combination of a blind rivet nut and a screw, blind rivet nut studs are a technical and economical alternative to welding studs or other multi-part T-slot systems. The blind rivet nut stud has a dual function. On the one hand, it connects thin materials, even those made of different materials. On the other hand, it provides a further fastening point or a positioning aid with the securely and permanently fixed screw. Various dimensions, materials and head shapes cover a wide range of applications. In addition to the standard programme, application-specific adaptations are possible.

ADVANTAGES

- → Dual function: joining the material and providing an additional fastening point (threaded stud)
- → Accessibility required from only one side
- → High thread load capacity
- → Easier, cleaner and faster processing
- → Space-saving
- → No damage to painted surfaces
- → No heat input, i.e. no change to the material structure
- → Suitable for repairing welding studs

AREA OF APPLICATION

- → Thin substrates such as sheet metal, plastics, etc.
- → Automotive industry
- → Switch cabinet construction
- → Mechanical engineering

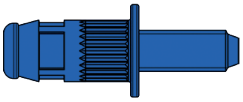
Further dimensions, special surface treatments or materials are available on request

BLIND RIVET NUT STUDS

Material: Steel, zinc-plated

Steel

Dome head



G	D × L mm	mm	No.		Nm	N	d_k	K_h
M 4 6.1 mm	**6 × 11.0**	0.25 – 3	**1433665**	A 200	3	6000	9	0.8
M 5 7.1 mm	**7 × 11.5**	0.25 – 3	**1455330**	A 150	6	10000	10	1
M 6 9.1 mm	**9 × 15.5**	0.25 – 3	**1455331**	A 100	13	17800	12	1.5
M 8 11.1 mm	**11 × 17.0**	0.25 – 3	**1455332**	A 100	26	27800	14	1.5

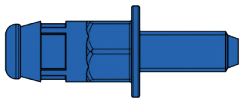
Steel

Small head

G	D × L mm	mm	No.		Nm	N	d_k	K_h
M 4 6.1 mm	**6 × 12.0**	0.5 – 2	**1703097**	A 200	3	6000	9	0.6
M 5 7.1 mm	**7 × 11.5**	0.5 – 3	**1747257**	A 150	6	10000	10	0.7
M 6 9.1 mm	**9 × 15.5**	0.5 – 3	**1747258**	A 100	13	17800	12	0.7
M 8 11.1 mm	**11 × 17.0**	0.5 – 3	**1747259**	A 100	26	27800	14	0.7

Steel half hexagonal

Dome head



G	D × L mm	mm	No.		Nm	N	d_k	K_h
M 4 SW6 + 0.1 mm	**6 × 11.0**	0.5 – 2	**1450359**	A 200	3	6000	9	0.8
M 5 SW7 + 0.1 mm	**7 × 12.0**	0.5 – 3	**1450360**	A 150	6	10000	10	1
M 6 SW9 + 0.1 mm	**9 × 15.5**	0.5 – 3	**1450361**	A 100	13	17800	13	1.5
M 8 SW11 + 0.1 mm	**11 × 17.0**	0.5 – 3	**1450362**	A 50	26	27800	16	1.5

The values were determined using a screw of the strength class 8.8.

POLYGRIP® BLIND RIVET NUT STUDS SPLINED

The splined multigrip blind rivet nut stud for improved anti-rotation in soft materials.

OVERVIEW

Grip range	0.5 – 8 mm
Dimensions	M 6 – M 8
Variants	Dome head
Material	●

The new M6 and M8 steel PolyGrip® splined blind rivet nut studs from GESIPA® are an extension of the proven PolyGrip® multigrip technology. Ideally, the PolyGrip® splined blind rivet nut stud can replace up to five different standard DIN sizes. This saves handling and storage costs and also reduces the risk of confusion in the workplace.

ADVANTAGES

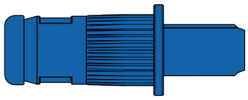
- → Large grip range: can replace up to five different standard DIN sizes
- → Uniform setting behaviour
- → High torsional resistance
- → Large closing head

AREA OF APPLICATION

- → Universally applicable

Steel

Dome head



Material: Steel
Surface: galvanised

G	D × L mm	mm	No.		Nm	N	d_k	K_h
M 6 9.1 mm	**9 × 18.0**	0.5 – 6	**1464481**	A 100	13	17800	12	1.5
M 8 11.1 mm	**11 × 20.0**	0.5 – 8	**1464480**	A 50	26	27800	14	1.5

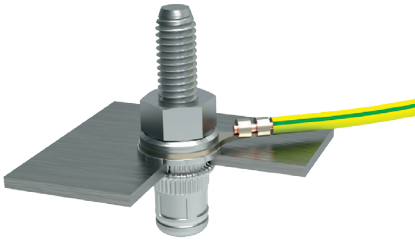
The best setting results can be achieved with GESIPA® FireBird® Pro!

eFAST BLIND RIVET NUT STUDS

The GESIPA® blind rivet nut stud for earthing and protective conductor connections

OVERVIEW

Grip range	0.7 – 2.5 mm
Dimensions	M 6
Variants	Dome head
Material	●



The GESIPA® blind rivet nut stud for earthing and protective conductor connections offers a high degree of flexibility and quick installation of a protective conductor connection when mounting in a MultiSwitch switching cabinet system.

ADVANTAGES

- → Quick to install
- → High flexibility
- → No damage to surrounding surfaces
- → Meets the requirements of DIN EN 62208
- → Very low contact resistance

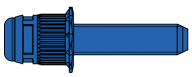
AREA OF APPLICATION

- → Packaging machines
- → Inspection systems
- → Control cabinets for building automation
- → Standard control cabinets

6

Steel

Dome head

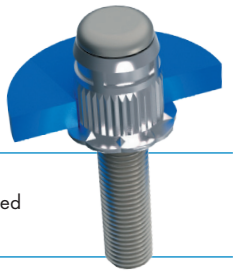


Material: Steel, galvanised

G	D × L mm	mm	No.		Nm	N	d_k	K_h	
M 6	**9.9 × 10.5**	0.7 – 2.5	**1711505**	A 100	13	17800	13	0.8	NEW
10.1 mm	**9.9 × 10.5**	0.7 – 2.5	**1705987**	1000	13	17800	13	0.8	NEW

The best setting results can be achieved with GESIPA® FireBird® Pro!

Underhead serration with the blind rivet nut stud produces the contacting even with coated components and lacquered sheets.



CORDLESS BLIND RIVET NUT TOOLS

Cordless blind rivet nut tool from GESIPA® – Easy to operate, tried and tested, and simply good!

BLIND RIVET NUT HAND TOOLS

228

GBM 10

GBM 40-R

GBM 50

FireFly

Flipper® Plus

BATTERY-POWERED BLIND RIVET NUT TOOLS

236

FireBird® Pro

FireBird® Pro Gold Edition

FireBird® Pro S Gold Editon

FireBird®

FireBird® for conversion kit
for blind rivet nut studs

WHAT RIVETS WHAT?

	Energy	M3	M4	M5	M6	M8	M10	M12	BNM Light Weight, BNM High Strength, BNM Torque resistant BNM PolyGrip®
GBM 10	H				A				
GBM 40-R	H							AS	
GBM 50	H							AS	
FireFly	H			AS	A				
Flipper® Plus	H		AS	AS	A				
FireBird®, FireBird® Pro	B					AS	A		
FireBird® Pro Gold Edition / FireBird® Pro S Gold Edition	B							AS	

H: Hand tool
B: Battery-powered tool
A: Alu/Copper
S: Steel
E: Stainless Steel

Blue box: All materials (ASE) can be riveted. Where there are exceptions, the letters of the rivetable materials are provided directly in the box.

BLIND RIVET NUT HAND TOOLS

GESIPA® manual blind rivet nut setting tools – Easy to operate, tried and tested, always good but now even better!

Housing
Improved performance thanks to newly designed housing

Surface
Powder-coated abrasion-resistant housing surface in GESIPA® colour

Ergonomics
Ergonomically formed handles for working efficiently without fatigue

GBM 10

Manual blind rivet nut tool with easy stroke adjustment

No. 1457087 M4

No. 1434761 M5

No. 1457088 M6

TECHNICAL DATA

Weight	0.6 kg
Total length	260 mm
Stroke	7 mm

WORKING RANGE

Ø mm

	M3	M4	M5	M6	M8	M10	M12
AL							
Steel							
A2							
A4							

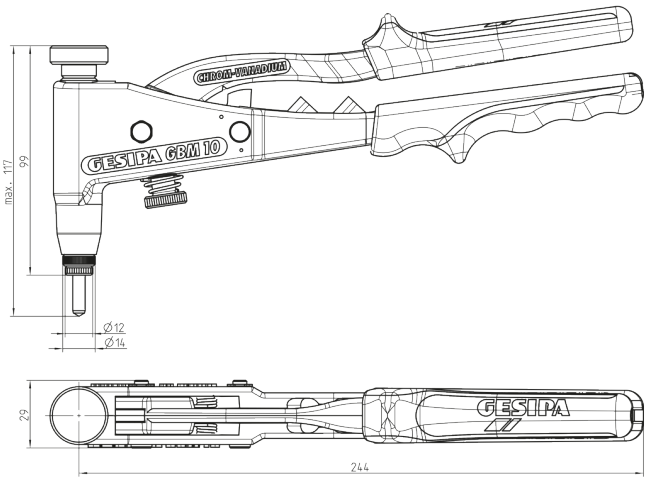
The blind rivet nuts Light Weight, High Strength and Torque Resistant can not be processed!

SCOPE OF DELIVERY

Threaded mandrels and noespieces (optionally from M4 - M6), maintenance instructions, stroke table in a box

ADVANTAGES

- → Simple stroke adjustment using a knurled nut with a stroke scale for safe and complete setting of the blind rivet nut
- → Threaded mandrel locking device with spring ring for quick changing of threaded mandrels without tools
- → With opening spring for easy handling
- → Tool housing made of high-quality die cast aluminium
- → Tool shanks made of forged chrome-vanadium steel
- → Steel inserts at all highly stressed bearing points
- → Ergonomic



Dimensions in mm

7

SPECIAL ACCESSORIES GBM 10

THREADED MANDRELS AND **NOSEPIECES** for GBM 10

THREADED MANDRELS

Threaded mandrels	No.
Threaded mandrel M3*	**1457096**
Threaded mandrel M4	**1434776**
Threaded mandrel M5	**1434779**
Threaded mandrel M6	**1434781**
Threaded mandrel 8-32 UNC	**1434784***
Threaded mandrel 10-24 UNC	**1457098***
Threaded mandrel 10-32 UNF	**1434783***
Threaded mandrel 1/4"-20 UNC	**1434785***

NOSEPIECES

nosepieces	No.
nosepiece M3*	**1457095**
nosepiece M4/8-32 UNC	**1434777**
nosepiece M5/10-24 UNC**	**1434780**
nosepiece M6/ 1/4"-20 UNC	**1434782**

*Available as special accessoires
**The 10-24 UNC nosepiece can be used for the 10-24 UNC and 10-32 UNF threaded mandrels.

BLIND RIVET NUT BOX

No. 1435455

GBM 10 with threaded mandrel and nosepiece M5 including threaded mandrels and nosepieces M4 and M 6, different blind rivet nut dimensions M4 to M 6 made of alu for joint thicknesses of 0.25 to 3 mm.

Incl. 4 blind rivet nut sizes:

Aluminium M4 x 6 x 11.0 mm

Aluminium M5 x 7 x 11.5 mm

Aluminium M5 x 7 x 13.5 mm

Aluminium M6 x 9 x 15.5 mm

GBM 40-R

The new ratchet tool for setting blind rivet nuts

No. 1619731

Also suitable for blind rivet studs. Conversion possible!

TECHNICAL DATA

Weight	1.25 kg
Total length	212 mm
Stroke	6 mm

WORKING RANGE

Ø mm

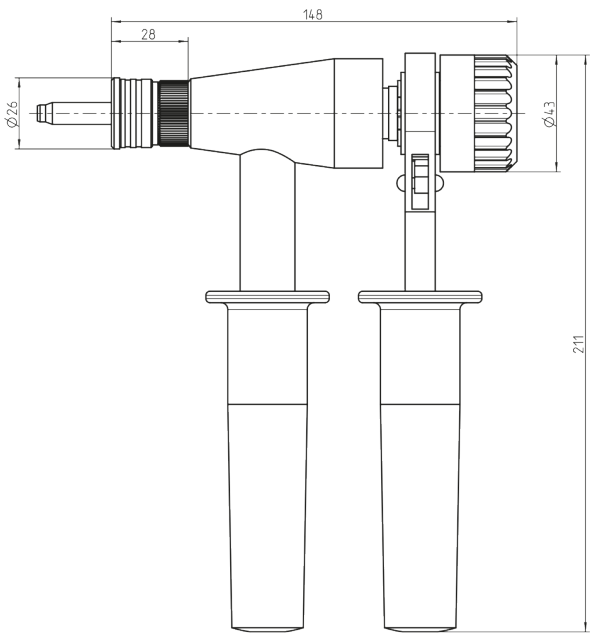
	M3	M4	M5	M6	M8	M10	M12
AL							
Steel							
A2							
A4							

SCOPE OF DELIVERY

Threaded mandrels and nosepieces: M5, M6, M8 and M10, 1 maintenance wrench, operating instructions in a plastic carrying

ADVANTAGES

- → The ratchet mechanism allows you to work with extremely little hand force
- → Noespieces and threaded mandrels can be changed without tools
- → Nosepieces and threaded mandrels are compatible with GBM 50
- → Can be converted to set blind rivet nut studs



Dimensions in mm

SL 30 special length: Extended nosepiece and threaded mandrel for difficult-to-access and/or deep-seated applications.

234

GBM 50

Manual blind rivet nut tool with quick-change drill adapter

No. 1619730

Also suitable for blind rivet studs. Conversion possible!

TECHNICAL DATA

Weight	2.4 kg
Total length	485 mm
Stroke	6 mm

WORKING RANGE

Ø mm

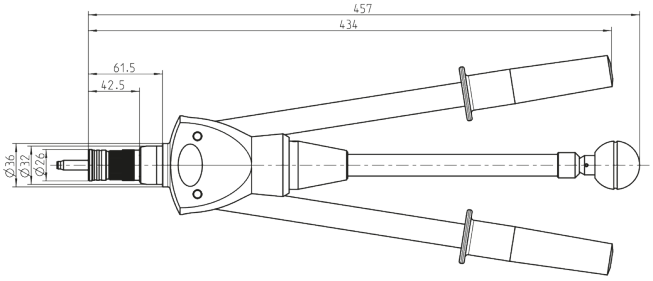
	M3	M4	M5	M6	M8	M10	M12
AL							
Steel							
A2							
A4							

SCOPE OF DELIVERY

Threaded mandrels and noespieces: M5, M6, M8 and M10, 1 maintenance wrench, operating instructions, delivery in plastic carrying case

ADVANTAGES

- → Quick-change drilling device for fast and easy insertion and removal of threaded mandrels
- → Favourable transmission ratio for low force requirement, even when setting large blind rivet nuts
- → Simple stroke adjustment using adjusting ring with stroke scale for safe and complete setting of the blind rivet nut
- → Tool-free change of threaded mandrels and nosepieces
- → Nosepieces and threaded mandrels compatible with GBM 40-R
- → Can be converted for setting blind rivet nut studs



Dimensions in mm

SL 30 special length: Extended nosepiece and threaded mandrel for difficult-to-access and/or deep-seated applications.

234

FIREFLY-BOX

The power and intelligence to set blind rivet nuts

No. 1435453

TECHNICAL DATA

Weight	0.75 kg
Total length	210 mm
Total stroke	9.0 mm
Single action stroke	1.8 mm

WORKING RANGE

Ø mm

	M3	M4	M5	M6	M8	M10	M12
AL							
Steel							
A2							
A4							

SCOPE OF DELIVERY

Nosepiece and threaded mandrels M4 + M5, blind rivet nuts M4 and M5, operating instructions in a plastic carrying case

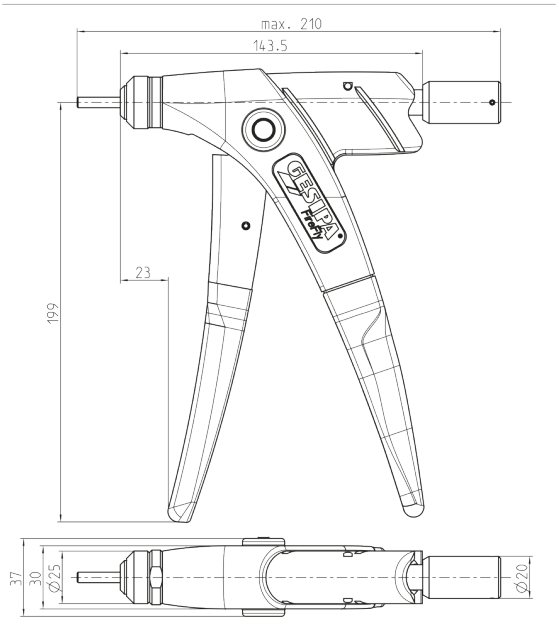
ADVANTAGES

- → 40% savings in manual labour
- → Special lever arrangement
- → Ratchet mechanism
- → Tool-free change of threaded mandrels and noespieces
- → Large stroke
- → Easy setting of blind rivet nuts

FIREFLY IN A BOX

incl. nosepiece, threaded mandrel, operating manual

TOOL	No.
M3	1457653
M4	1457654
M5	1435454
M6	1457655
6 - 32 UNC	1457656
8 - 32 UNF	1457657
10 - 32 UNF	1457659
1/4" - 20 UNC	1457660



Dimensions in mm

The FireFly can also be ordered individually in a box!

SPECIAL ACCESSORIES FireFly

THREADED MANDRELS AND NOSEPIECES

Article	No.
Threaded mandrel M3	**1434002**
Threaded mandrel M4	**1434001**
Threaded mandrel M5	**1434000**
Threaded mandrel M6	**1434008**
Nosepiece insert M3	**1433995**
Nosepiece insert M4	**1433994**
Nosepiece insert M5	**1433993**
Nosepiece insert M6	**1433997**

Article	No.
Threaded mandrel 6 - 32 UNC	**1434019**
Threaded mandrel 8 - 32 UNC	**1434020**
Threaded mandrel 10 - 24 UNC	**1434021**
Threaded mandrel 10 - 32 UNF	**1434022**
Threaded mandrel 1/4" - 20 UNC	**1434023**
Nosepiece 6 - 32 UNC	**1434024**
Nosepiece 8 - 32 UNC	**1434025**
Nosepiece 10 - 24 UNC	**1434026***

*The nosepiece insert 10 - 24 UNC can be used for threaded mandrels 10- 24 UNC and 10-32 UNF

RETROFIT SET FOR blind rivet nut studs

	No.	BRN thread protrusion min.	max.*
M4	**1434009**	8	22
M5	**1434010**	9	22
M6	**1434011**	10	22

* A corresponding extended nosepiece must be used for thread protrusions > 22 mm.

REFILL MINI PACKS for blind rivet nuts

M4 x 6 x 13.0 **No. 1433700**

M5 x 7 x 13.5 **No. 1433701**

NOSEPIECES AND THREADED MANDRELS

Article	No.
nosepiece M3*	**1626929**
nosepiece M4*	**1626941**
nosepiece M5 10-32 UNF	**1622548**
nosepiece M6	**1622549**
nosepiece M8 5/16"-18 UNC	**1622552**
nosepiece M8 SL 30*	**1664686**
nosepiece M10 3/8"-16 UNC	**1622553**
nosepiece M12*	**1622554**
nosepiece insert 1/4"-20 UNC	**1760264**

Article	No.
threaded mandrel M3*	**1626916**
threaded mandrel M4*	**1626917**
threaded mandrel M5	**1622543**
threaded mandrel M6	**1622544**
threaded mandrel M6 SL 10*2	**1678754**
threaded mandrel M8	**1622545**
threaded mandrel M8 SL 10*2	**1678755**
threaded mandrel M8 SL 30*	**1664684**
threaded mandrel M10	**1622546**
threaded mandrel M12*	**1622547**

Article	No.
threaded mandrel 1/4"-20 UNC	**1760260**
threaded mandrel 3/8"-16 UNC	**1760261**
threaded mandrel 5/16"-18 UNC	**1760262**
threaded mandrel 10-32 UNF	**1760263**

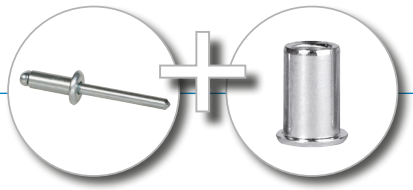
CONVERSION KIT for blind rivet studs

Description	No.
M4	**1622556**
M5	**1622557**
M6	**1622558**
M8	**1622560**

* Available as special accessories. Other dimensions on request.
*2 from a blind rivet nut length of 21 mm for M6 and M8, the threaded mandrels SL 10 must be used.

FLIPPER® PLUS

The combined riveting tool for setting blind rivets and blind rivet nuts. Almost tool-free change from blind rivet to blind rivet nut tool



CONVERTED IN UNDER 1 MINUTE IN JUST A FEW SIMPLE STEPS

No. 1571258

TECHNICAL DATA

Weight	0.75 kg
Total length	217 mm
Stroke	16.2mm
Single action stroke	1.8 mm

WORKING RANGE

Ø mm

	2.4	3.0	3.2	4.0	4.8	5.0	6.0	6.4	8.0
AL									
Steel									
A2									
A4									

WORKING RANGE

Ø mm

	M3	M4	M5	M6	M8	M10	M12
AL							
Steel							

SCOPE OF DELIVERY

Nosepieces for blind rivets: 12/20, 12/24, 12/29. Nosepieces and threaded mandrels for blind rivet nuts: M4, M5 and M6, 1 maintenance wrench, 1 Allen key, 1 jaws insertion tool, maintenance instructions with spare parts list.

COMMON ADVANTAGES

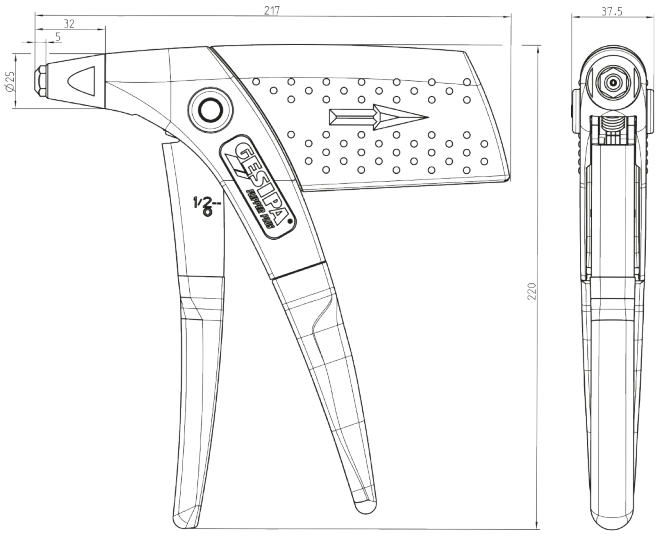
- → New ratchet function
- → When closing the human hand, the force increases. This knowledge is used by a special lever arrangement for setting blind rivets and blind rivet nuts
- → The required hand force is reduced by about 40 percent when operated several times
- → Actuating lever with opening spring for optimal one-handed operation

Advantages when setting blind rivets

- → Handle mechanism with spring reset for safe and automatic mandrel ejection
- → Spent mandrel container can be attached to the tool housing and is easy to empty
- → Large tool stroke: advantageous for extra-long blind rivets

Advantages when setting blind rivet nuts

- → Large stroke of 16.2 mm for easy setting of blind rivet nuts, even in thin materials, and for setting PolyGrip® blind rivet nuts
- → Simplified setting for setting blind rivet nuts



Dimensions in mm

150

Watch conversion YouTube

STROKE- OR SETTING-FORCE ADJUSTMENT ?

GESIPA® blind rivet nut setting tools can be controlled through either stroke or setting force. The FireFox® 2 can do both. When which setting should best be used depends on the application, of course. However, what is guaranteed is that the setting options are **SIMPLE, FAST AND SAFE.**

WHEN IS SETTING FORCE ADJUSTMENT USED?
A blind rivet nut size of the same or varying length (e.g. M6 x 15.5 or M6 x 18) should be set in **changing material** thicknesses using a constant setting force.

ADVANTAGES OF SETTING FORCE ADJUSTMENT

- → Controlling the tool through setting force adjustment protects material and thread and anchors blind rivet nuts securely in the material
- → Quick and easy setting force adjustment via the display or the colour-coded setting ring
- → Does not need to be adjusted in case of changing material thicknesses or different lengths of blind rivet nuts

ADJUSTING SETTING FORCE ON BIRD PRO TOOLS

1. Read the value* on the setting force guide
2. Enter value* in the display
3. Set blind rivet nut

(1)

Setting force guide – Example: Steel M5 for FireBird® Pro

(2)

(3)

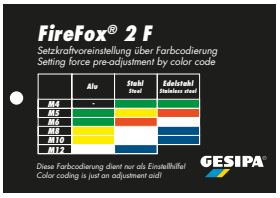
* The values given are only guide values. because different settings may be required depending on the type of blind rivet nut.

ADJUSTING THE SETTING FORCE ON FIREFOX® TOOLS

When using the setting force adjustment, the maximum tool stroke must be set prior to using the setting force.

Presetting the setting force with colour-coded setting ring

Screwing in the set screw increases the tool's setting force, screwing it out reduces the setting force.



Setting force guide FireFox® 2

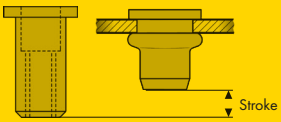
* The values given are only guide values. because different settings may be required depending on the type of blind rivet nut.

ADVANTAGES OF STROKE SETTING

- → Controlling the tool through stroke setting guarantees the height of the blind rivet nuts is constant after setting, regardless of any small variations in the nut or the material
- → Infinitely variable adjustment of the set stroke
- → Stroke setting is preferred above all by experienced users and for large series production

WHEN IS STROKE SETTING USED?

A constant set stroke should be used when a blind rivet nut size of the same length is set in **unchanging material** thicknesses. The set stroke corresponds to the distance the threaded mandrel is drawn into the nosepiece during the setting process and thus how far the blind rivet nut is compressed. With stroke setting, this distance can be adjusted mechanically on the riveting tool.

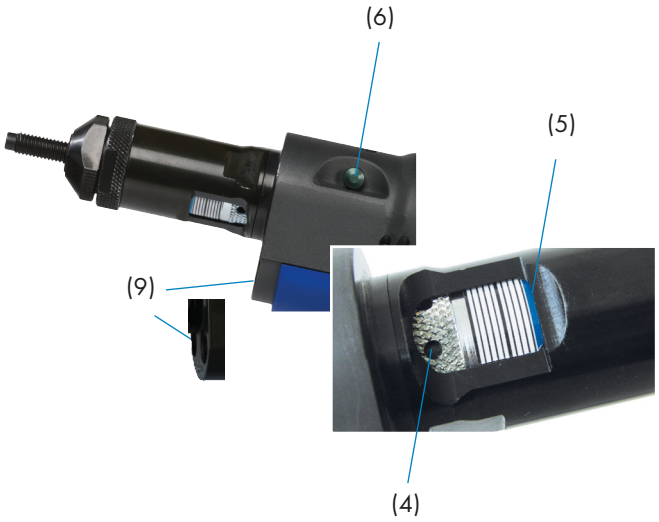


ADJUSTING THE SET STROKE ON FIREFOX® TOOLS

When using stroke setting, the setting force must first be set to maximum.

Setting is done in four steps

1. The rivet set screw with colour scale (9) must be screwed in up to the stop with the enclosed hexagon screwdriver SW 3.
2. Then press in the green release button (6) fully.
3. Adjust the set stroke according to the scale (5) by turning the stroke adjuster (4). One line on the scale equals 1 mm of set stroke.
4. Release the green release button. If the release button does (6) not latch automatically, turn the stroke until the release button (6) engages.



In contrast to the force adjustment method, blind rivet nuts of different lengths or changing material thicknesses require different set stroke settings.

EXAMPLES

BRN M6 9x15
Rivetable material thickness 0.25 - 3.5 mm for material thickness 1 mm, the set stroke is approx. 3.0 mm
for material thickness 1.5 mm, the set stroke is approx. 2.5 mm

BRN PolyGrip® M6 9x18
Rivetable material thickness 0.25–6.0 mm for material thickness 1 mm, the set stroke is approx. 6.0 mm

The values given are only guide values. because different settings may be required depending on the type of blind rivet nut.

THE BIRD PRO SERIES Battery-powered blind rivet nut tools

**The alliance of the best –
The manufacturer-independent
battery system sequence**

GESIPA® RELIES ON CAS

Riveting with the CAS system

Our blind rivet nut setting tools ***FireBird® Pro,*** ***FireBird® Pro Gold Edition*** and the ***FireBird® Pro S Gold Edition*** are equipped with the new CAS batteries since 2021.

CAS

BLDC TECHNOLOGY

A BLDC motor is a brushless DC motor that, instead of brushes that are susceptible to wear, uses electrical sensors to detect the rotor's position and commutate the stator coil via circuit breakers. A special software in the electronics controls the motor.

The advantages of a BLDC motor include high efficiecy, long service life, particularly smooth running with a precision ball bearing and a reduction in electrical noise radiation.

FireBird® Pro

FireBird® Pro Gold Edition

FireBird® Pro S Gold Edition

Advantages at a glance – Battery-powered blind rivet nut tools with BLDC

Threaded mandrel
- → Mandrel quick-change system
- → Nosepiece and mandrel module taken from FireFox®

Lighting
The light-emitting diodes precisely aligned to the work piece are integrated into the adjusting ring. There are three possible switch positions: **Process-controlled:** The diodes remain illuminated after the setting process, which allows a continuous workflow even in bad lighting conditions. **Torch function:** Steady glow of diode (max.10 minutes). **Lighting off:** saves electricity.

LED input field
- → Split LED input field
- → Switches to energy-saving mode after 15 seconds
- → Plastic cover to avoid damage and inadvertently changing the setting
- → Presetting in steps of 10 and fine adjustment with 99 individual settings
- → 10 freely selectable program memories

Threaded mandrel magazine
- → Storage of mandrels in the practical, screw-on mandrel magazine
- → Three mandrels and matching nosepieces included in scope of delivery

Trigger
- → Automatic screw-on after pressing the switch

Autoreverse function
Immediately after mandrel break-off, this optional operating mode stops the pulling process and moves the jaw assembly back into the initial position. This saves time and energy while making sure the tool is immediately ready for use.

Li-Ion battery 18V
- → Ultra M technology: Intelligent battery management for long-lasting battery packs
- → Patented "AIR COOLED" charging technology
- → Permanent Electronic Single Cell Protection (ESCP) when charging, for particularly long life.
- → Processor-controlled charge and discharge management
- → Capacity display with almost no self-discharge
- → Capacity display with almost no self-discharge
- → One battery pack for everything. 100% compatibility with all 18 V machines and chargers of the CAS partners

FIREBIRD® PRO

FireBird® Pro – The battery-powered blind rivet nut tool with setting force adjustment for blind rivet nuts up to M8 steel.

18 V

No. 1679670

No. 1679671

No. 1679668

No. 1679669

TECHNICAL DATA

Setting force	15,000 N
Weight	2.4 kg
Drive	Brushless DC motor (BLDC)
Stroke	10.0 mm

WORKING RANGE

Ø mm

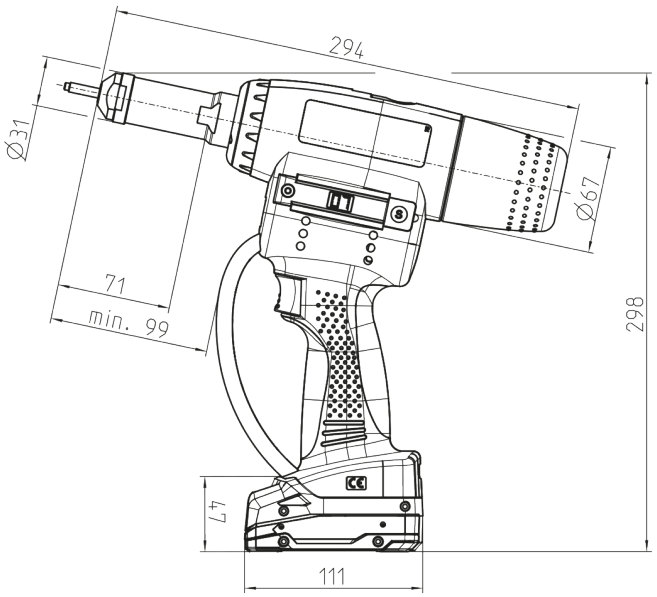
	M3	M4	M5	M6	M8	M10	M12
AL							
Steel							
A2							
A4							

SCOPE OF DELIVERY

Threaded mandrels and M6 nosepiece (in working position), threaded mandrels and M4 and M5 nosepieces (accessories), 1x Allen key, 2x 24/27 double open-ended wrenches, quick-adjustment card, setting force presetting card, operating instructions

ADVANTAGES

- Easy operation
- No wear due to BLDC motor
- State-of-the-art battery technology
- Setting force controlled
- Intelligent error indication
- 10 mm setting stroke for easy setting of blind rivet nuts, even in thin materials
- Fully automatic twisting process



Dimensions in mm

246 268

FIREBIRD® PRO GOLD EDITION

FireBird® Pro Gold Edition – The battery-powered blind rivet nut tool with setting force adjustment for blind rivet nuts up to M12 steel!

18 V

No. 1679674

No. 1679676

No. 1679672

No. 1679673

Setting force guide* – Example: Steel M6

TECHNICAL DATA

Setting force	20,000 N
Weight	2.4 kg
Drive	Brushless DC motor (BLDC)
Stroke	10.0 mm

WORKING RANGE

Ø mm

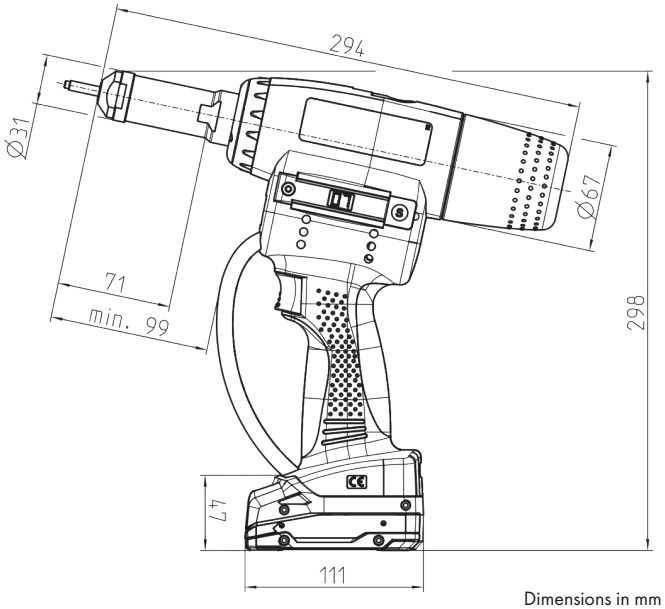
	M3	M4	M5	M6	M8	M10	M12
AL							
Steel							
A2							
A4							

SCOPE OF DELIVERY

Threaded mandrels and nosepieces M6 (in working position), threaded mandrels and nosepieces M8 and M10 (accessories), 1x Allen key, 2x double open-ended wrenches SW 24/27, quick-adjustment card, setting force presetting card, operating instructions

ADVANTAGES

- → Easy operation
- → No wear due to BLDC motor
- → State-of-the-art battery technology
- → Setting force controlled
- → Intelligent error indication
- → 10 mm setting stroke for easy setting of blind rivet nuts, even in thin materials
- → Fully automatic twisting process



Dimensions in mm

246 268

* The values given are only guide values. The values should always be set slightly lower when setting for the first time!

FIREBIRD® PRO S GOLD EDITON

The FireBird® Pro with mechanical stroke adjustment

18 V

No. 1679678

No. 1679677

CAS

with mechanical stroke setting

Technical data, working range and advantages analogue to the FireBird® Pro Gold Edition.

SCOPE OF DELIVERY

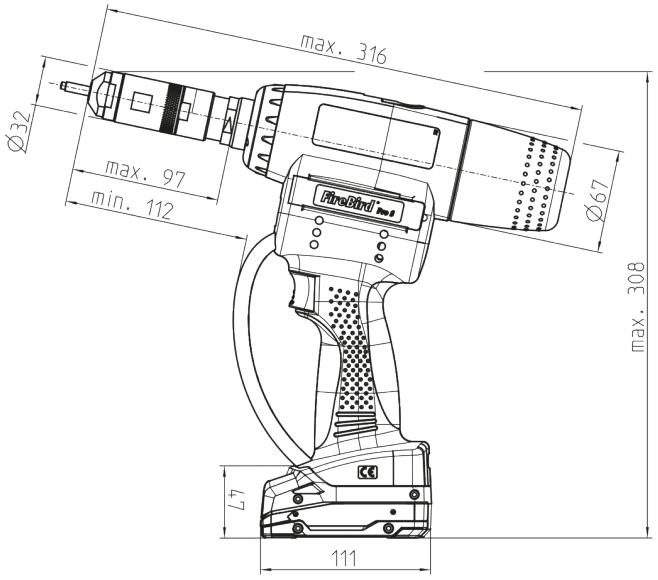
Threaded mandrels and M6 nosepieces (in working position) and threaded mandrels and M8 and M10 nosepieces (accessories), 1x Allen key, 1x double open-ended wrench SW 24/27, 1x double open-ended wrench SW 27/30, operating instructions

WHEN IS STROKE SETTING USED?

A constant set stroke should be used when a blind rivet nut size of the same length is set in unchanging material thicknesses. The set stroke corresponds to the distance the threaded mandrel is drawn into the nosepiece during the setting process and thus how far the blind rivet nut is compressed. With stroke setting, this distance can be adjusted mechanically on the riveting tool.

ADVANTAGES OF STROKE SETTING

- → Controlling the tool through stroke setting guarantees the height of the blind rivet nuts is constant after setting, regardless of any small variations in the nut or the material
- → Infinitely variable adjustment of the set stroke
- → Stroke setting is preferred above all by experienced users and for large series production



Dimensions in mm

246 268

POWER PER BATTERY CHARGE/THREADED MANDRELS AND NOSEPIECES FOR FIREBIRD® PRO TOOLS

Inner thread	Material	approx. pc per charging process FireBird® Pro	Threaded mandrel	Nosepiece	capprox. pc per charging process FireBird® Pro GE / FireBird® Pro S GE	Threaded mandrel	Nosepiece
			No.	No.		No.	No.
M3	Aluminium	1,200	1436211*	1436218*	1,200	1436211*	1436218*
M3	Steel/Stainless steel	1,100			1,100		
M4	Aluminium	1,100	1436212	1436219	1,100	1436212*	1436219*
M4	Steel/Stainless steel	1,000			1,000		
M5	Aluminium	950	1436213	1436220	950	1436213*	1436220*
M5	Steel/Stainless steel	900			900		
M6	Aluminium	900	1436214	1436221	900	1436214	1436221
M6	Steel/Stainless steel	800			800		
M8	Aluminium	850	1436215*	1436222*	850	1436215	1436222
M8	Steel/Stainless steel	550			550		
M10	Aluminium	750	1436216*	1436223*	750	1436216	1436223
M 10	Steel/Stainless steel	-			500		
M12	Aluminium	-	-	-	500	1436217*	1436224*
M12	Steel	-			300		

*Available as special accessory

Example and application:
Extended nosepiece and threaded mandrel for difficult-to-access and/or deep-seated applications

FIREBIRD®

The proven blind rivet nut tool with mechanical setting of the setting stroke for blind rivet nuts up to M10 aluminium.

14 V

No. 1457414

No. 1457413

No. 1464336

TECHNICAL DATA

Setting force	13,000 N
Weight	2.1 kg
Drive	DC motor
Stroke	5.5 mm

WORKING RANGE

Ø mm

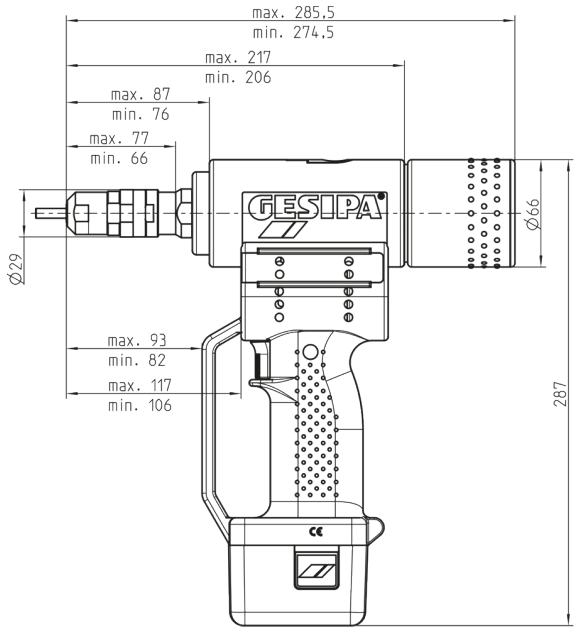
	M3	M4	M5	M6	M8	M10	M12
AL							
Steel							
A2							
A4							

SCOPE OF DELIVERY

Threaded mandrels and M6 nosepiece (in working position), threaded mandrels and M4 and M5 nosepieces (accessory), 1x hexagonal wrench, 2x 24/27 double open-ended wrenches, operating instructions

ADVANTAGES

- → Optimised torque
- → Automatic shut-off
- → Simple and safe drilling of the blind rivet nut
- → High energy density
- → Low weight
- → Automatic drilling of



Dimensions in mm

246 268

POWER PER BATTERY CHARGE/THREADED MANDRELS AND NOSEPIECES

Blind rivet nuts inner thread	Material	approx. pc per charging process 2,0 Ah Li-Ion battery	No.	
			Threaded mandrel	Nosepiece
M3	Aluminium	**1000**	**1435052***	**1435065***
M3	Steel/Stainless steel	**900**		
M4	Aluminium	**900**	**1435055**	**1435066**
M4	Steel/Stainless steel	**800**		
M5	Aluminium	**800**	**1435056**	**1435067**
M5	Steel/Stainless steel	**750**		
M6	Aluminium	**700**	**1435059**	**1435068**
M6	Steel/Stainless steel	**500**		
M8	Aluminium	**600**	**1435063***	**1435069***
M8	Steel	**300**		
M10	Aluminium	**500**	**1435064***	**1435070***

*Available as special accessory

FIREBIRD® Basic tool for blind rivet nut studs conversion kit

The blind rivet nut studs conversion kits enable the FireBird® to be used to set M4 and M8 blind rivet nut studs.

No. 1464336

The tool is delivered without threaded mandrels and nosepieces. Please order the corresponding conversion kit. **page 247**

247

SPARE PARTS / SPECIAL ACCESSORIES Battery powered blind rivet nut tools

14,4 V/2,0 Ah LI-ION BATTERY
Weight: 0.36 kg

No. 1666440

14,4 V/4,0 Ah LI-ION BATTERY
Weight: 0.58 kg

No. 1666441

CHARGER 14.4 V LI-ION

Technical data

Input voltage:	230 V / 50 Hz
Output voltage:	14.4 V DC
Recharging time:	50 to 100 minutes (battery depending)
Weight:	0.6 kg

No. 1457282

18V LI-POWER 2,0 AH BATTERY
Weight: 0,4 kg / available as special accessory

CAS

No. 1679689

18V LiHD 4,0 AH BATTERY
Weight: 0,6 kg / available as special accessory

CAS

No. 1679690

CHARGER FOR 18,0 V LI-ION BATTERY

Technical data

Input voltage:	100 - 240 V / 50 - 60 Hz
Output voltage:	21 V DC
Charging time:	2.0 Ah = approx. 40 minutes
	4.0 Ah = approx. 80 minutes
Weight:	0.6 kg

CAS

Note: Equipped with Euro plug as standard (other versions on request)

EU packed
No. 1679694
UK packed
No. 1679695
US packed
No. 1679696

THREADED MANDREL AND NOSEPIECE SET FOR BLIND RIVET NUT SETTING TOOLS

Equipped with a complete set of nosepieces and threaded mandrels (M3 to M12) in a plastic carrying case. Suitable for:

- → FireBird® Pro Serie
- → FireFox® Serie
- → FireRex® / FireRex® C WinTech
- → eRex®

Metric dimensions
No. 1458111

UNC/UNF dimensions
No. 1458112

CONVERSION KIT FOR BLIND RIVET NUT STUDS

	No. FireBird® Pro tools	No. FireBird® tools	BRN thread protrusion min.	BRN thread protrusion max.*
M4	**1436285**	**1435117**	8	30
M5	**1436286**	**1435118**	9	30
M6	**1436287**	**1435119**	10	30
M8	**1436288**	**1435121**	12	30
M10	**1609282**	**-**	12	30

* A corresponding extended nose-piece must be used for BRN thread protrusions > 30 mm.

CONVERSION KIT FOR COARSE THREAD

	No. FireBird® Pro tools	No. FireBird® tools	BRN thread protrusion min.	BRN thread protrusion max.
T5	**1458170**	**1457434**	9	22
T6	**1458171**	**1457476**	10	22

Other dimensions on request

CONVERSION KIT FOR HEXAGON SOCKET SCREWS

For the FireBird® Pro series

Can be operated with DIN EN ISO 4762 allen screws instead of threaded mandrels

Special adapters available as accessory for M4 to M8 threads allows the original threaded mandrels to be replaced by allen screws: A substantial cost saving without any quality or performance loss and higher endurance when far away from the spare parts source. Best results are obtained with 12.9 grade screws.

Example:
Conversion kit SL30

Conversion kit for blind rivet nuts	No.	Conversion kit for extended DIN screws SL30 No.		Conversion kit for extended DIN screws SL50 No.	
M4 x min. 20	**1436264**	M4 x min. 50	**1458182**	M4 x min. 70	**1529115**
M5 x min. 25	**1436279**	M5 x min. 55	**1458183**	M5 x min. 75	**1567148**
M6 x min. 30	**1436283**	M6 x min. 60	**1458184**	M6 x min. 80	**1567147**
M8 x min. 30	**1436284**	M8 x min. 60	**1458178**	M7 x min. 80	**1567146**

HYDRO-PNEUMATIC BLIND RIVET NUT TOOLS

Technological leadership, experience and in-house production – The hydro-pneumatic blind rivet nut tools from GESIPA®

WHAT RIVETS WHAT?

	Energy	M3	M4	M5	M6	M8	M10	M12
FireFox® 1 / FireFox® 1 F	P	●	●	●	AS			
FireFox® 2 (all versions)	P		SE	●	●	●	●	AS
FireFox® 2 C **FireRex® / FireRex® C**	P			●	●	●	●	
eRex®	EP			●	●	●	●	AS

P: Hydro-pneumatic tool
EP: Electric tool
A: Alu/Copper
S: Steel
E: Stainless Steel

Blue box: All materials (ASE) can be riveted. Where there are exceptions, the letters of the rivetable materials are provided directly in the box.

HYDRO-PNEUMATIC BLIND RIVET NUT TOOLS

249

FireFox® 1

FireFox® 1 F

FireFox® 2

FireFox® 2 F

FireFox® 2 FL

FireFox® 1F / FireFox® 2
for conversion kit for blind rivet nut studs

FireFox® 1 F Axial eco

FireFox® 2 F Axial eco

FireFox® 2 F Axial eco with contact pressure monitoring and counting device

FireFox® 2 C Wintech

FireRex®

FireRex® C WinTech

eRex®

FIREFOX® 1

The pneumatic-hydraulic blind rivet nut tool – with either stroke or setting force control

No. 1605610

TECHNICAL DATA

Weight	2.2 kg
Stroke, max.	7.5 mm
Setting force	12,000 N at 6 bar
Operating air pressure	5-7 bar
Air hose connection	6 Ø (1/4")
Air consumption	approx. 1-2 liter

WORKING RANGE

Ø mm

	M3	M4	M5	M6	M8	M10	M12
AL							
Steel							
A2							
A4							

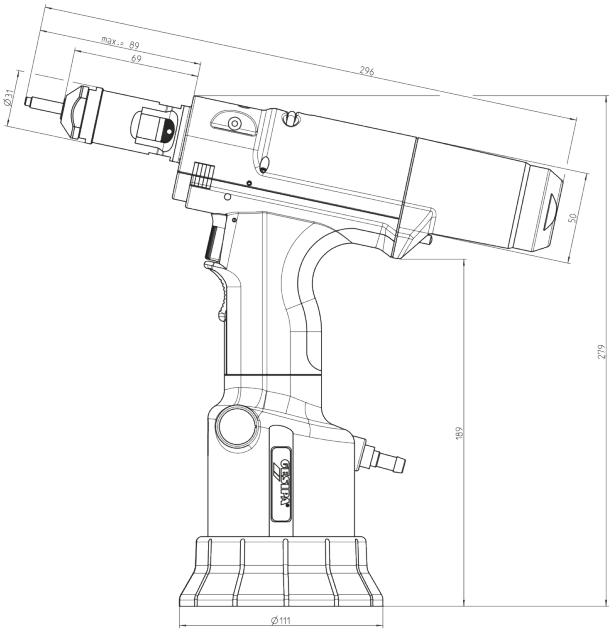
SCOPE OF DELIVERY

Threaded mandrels and M6 nosepiece (in working position), threaded mandrels and M3, M4 and M5 nosepieces (accessory), 2x 24/27 double open-ended wrenches, 1x wrench AF 3, 1x 100ml hydraulic oil refill bottle, 1x oil refill container, rubber foot, quick-adjustment card, colour code card, operating instructions + spare parts list

ADVANTAGES

- → Setting of lifting or setting force possible
- → Maximum stroke clearly identifiable by a blue ring on the stroke scale (1)
- → Fast and precise pre-setting of the setting force using the colour-coded adjusting ring (2)
- → New stroke scale can be easily and reliably set even in poor lighting conditions

Setting force guide



Dimensions in mm

260 268

FIREFOX® 1 F

The pneumatic-hydraulic blind rivet nut tool with setting force control – handy, reliable and safe

No. 1458198

TECHNICAL DATA

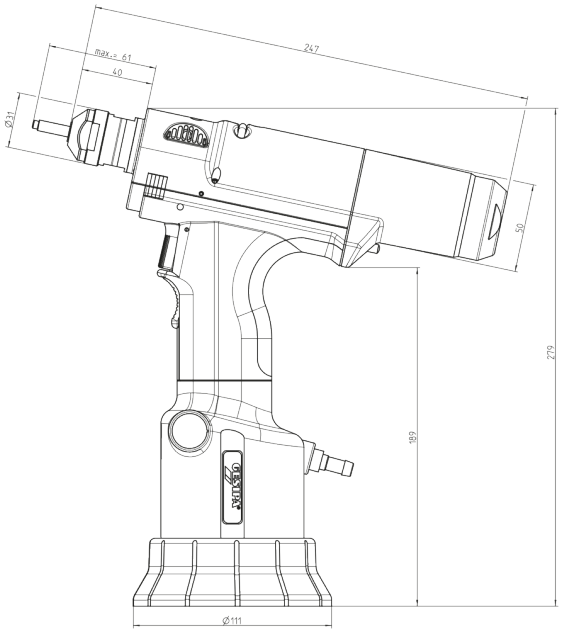
Weight	2 kg
Stroke, max.	7.5 mm
Setting force	12,000 N at 6 bar
Operating air pressure	5-7 bar
Air hose connection	6 Ø (1/4")
Air consumption	approx. 1-2 liter

WORKING RANGE

Ø mm

	M3	M4	M5	M6	M8	M10	M12
AL							
Steel							
A2							
A4							

Setting force guide



Dimensions in mm

SCOPE OF DELIVERY

Threaded mandrels and M6 nosepiece (in working position), threaded mandrels and M3, M4 and M5 nosepieces (accessory), 2x 24/27 double open-ended wrenches, 1x wrench SW 3, 1x 100ml hydraulic oil refill bottle, 1x oil refill container, rubber foot, quick-adjustment card, colour code card, operating instructions + spare parts list

ADVANTAGES

- → Handy, light and small
- → Sets small blind rivet nuts optimally and safely without damaging the material to be joined
- → The setting process is carried out exclusively via the setting force adjustment
- → Optimum protection of the thread of the blind rivet nut
- → Ergonomic design for fatigue-free working

260 268

FIREFOX® 2

The pneumatic-hydraulic blind rivet nut tool with optional stroke or setting force control

No. 1458086

TECHNICAL DATA

Weight	2.4 kg
Stroke, max.	10 mm
Setting force	22,000 N at 6 bar
Operating air pressure	5-7 bar
Air hose connection	6 Ø (1/4")
Air consumption	approx. 2-4 liter

WORKING RANGE

Ø mm

	M3	M4	M5	M6	M8	M10	M12
AL							
Steel							
A2							
A4							

SCOPE OF DELIVERY

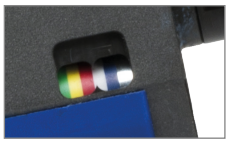
Threaded mandrels and M6 nosepiece (in working position), threaded mandrels and M4, M5 and M8 nosepieces (accessory), 2x 24/27 double open-ended wrenches, 1x 3mm, 1x 100ml bottle of hydraulic oil, 1x oil refill reservoir, quick-reference adjustment chart, colour code chart, operating instructions + spare parts list

ADVANTAGES

- → Setting of lifting or setting force possible
- → Maximum stroke clearly identifiable by a blue ring on the stroke scale (1)
- → Fast and precise pre-setting of the setting force using the colour-coded adjusting ring (2)
- → New stroke scale can be easily and reliably set even in poor lighting conditions

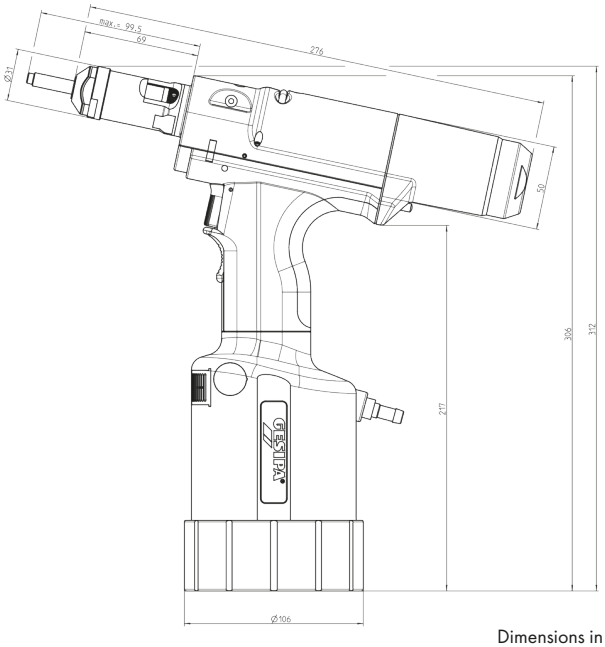
(1)

With improved setting technology



(2)

Setting force guide



Dimensions in mm

260 268

FIREFOX® 2 F

The pneumatic-hydraulic blind rivet nut tool with setting force control

No. 1451045

For special applications also with left-hand thread available!

TECHNICAL DATA

Weight	2.4 kg
Stroke, max.	10 mm
Setting force	22,000 N at 6 bar
Operating air pressure	5-7 bar
Air hose connection	6 Ø (1/4")
Air consumption	approx. 2-4 liter

WORKING RANGE

Ø mm

	M3	M4	M5	M6	M8	M10	M12
AL							
Steel							
A2							
A4							

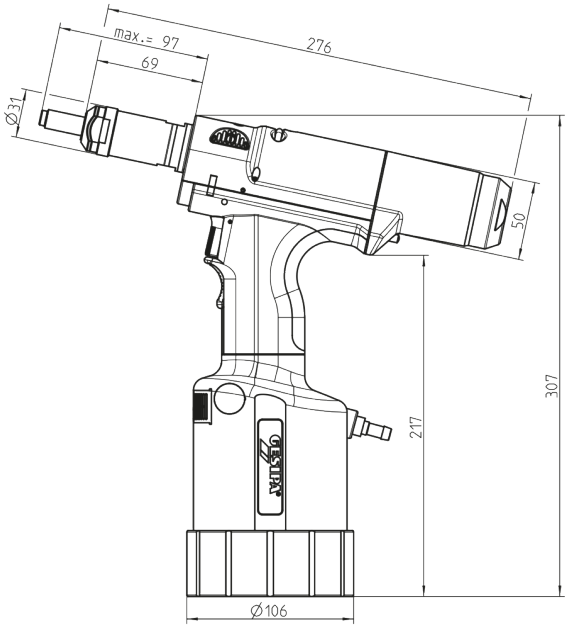
Setting force guide

SCOPE OF DELIVERY

Threaded mandrels and M6 nosepiece (in working position), threaded mandrels and M4, M5 and M8 nosepieces (accessory), 2x 24/27 double open-ended wrenches, 1x 3mm, 1x 100ml bottle of hydraulic oil, 1x oil refill reservoir, quick-reference adjustment chart, colour code chart, operating instructions + spare parts list

ADVANTAGES

- With pure setting force adjustment
- Fast and precise pre-setting of the setting force using the colour-coded adjusting ring
- Optimum protection of the material being joined and the thread of the blind rivet nut
- Secure anchoring of the blind rivet nut
- High process reliability



Dimensions in mm

260 268

FIREFOX® 2 FL

FireFox® 2F with left-hand thread – for setting blind rivet nuts with left-hand thread

No. 1451037

TECHNICAL DATA

Weight	2,4 kg
Stroke, max.	10 mm
Setting force	22.000 N at 6 bar
Operating air pressure	5-7 bar
Air hose connection	6 mm Ø (1/4")
Air consumption	approx. 2-4 litres per setting (depending on the rivet nut size)

WORKING RANGE

Ø mm

	M3	M4	M5	M6	M8	M10	M12
AL							
Steel							
A2							
A4							

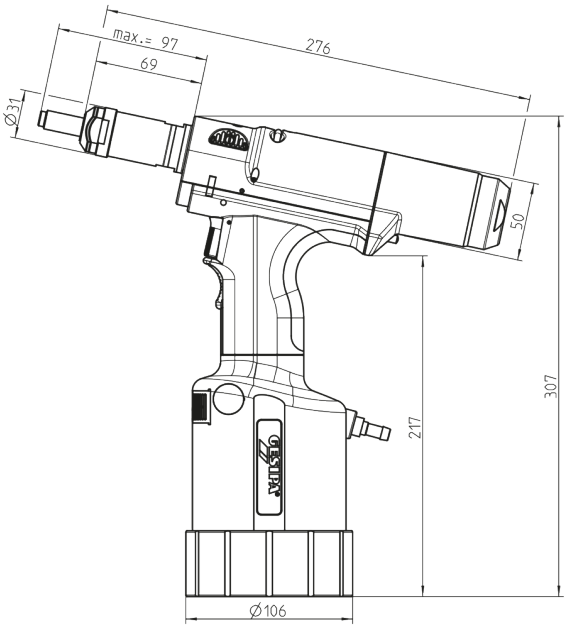
SCOPE OF DELIVERY

Threaded mandrels and M6 nosepiece (in working position), threaded mandrels and M4, M5 and M8 nosepieces (accessory), 2x 24/27 double open-ended wrenches, 1x 3mm, 1x 100ml bottle of hydraulic oil, 1x oil refill reservoir, quick-reference adjustment chart, colour code chart, operating instructions + spare parts list

ADVANTAGES

- → With pure setting force adjustment
- → Fast and precise pre-setting of the setting force using the colour-coded adjusting ring
- → Optimum protection of the material being joined and the thread of the blind rivet nut
- → Secure anchoring of the blind rivet nut
- → High process reliability

Setting force guide



Dimensions in mm

260 268

FIREFOX® 1F / FIREFOX® 2 FOR CONVERSION KIT FOR BLIND RIVET NUT STUDS

The blind rivet nut stud conversion sets allow you to use the FireFox® tools for setting blind rivet nut studs.

No. 1451106 FireFox® 1 F Basic tool

No. 1458096 FireFox® 2 Basic tool

Technical data analogue to the FireFox® 1 F and FireFox® 2 .

WORKING RANGE

Ø mm

	M3	M4	M5	M6	M8	M10	M12
AL							
Steel							
A2							
A4							

SCOPE OF DELIVERY

2x double open-ended wrenches SW 24/27, 1x hexagonal screwdriver SW 3, 1x 100ml hydraulic oil refill bottle, 1x oil refill container, rubber foot, quick reference card, colour code card, operating instructions + spare parts list

WORKING RANGE

Ø mm

	M3	M4	M5	M6	M8	M10	M12
AL							
Steel							
A2							
A4							

SCOPE OF DELIVERY

2x double open-ended wrenches SW 24/27, 1x hexagonal screwdriver SW 3, 1x 100ml hydraulic oil refill bottle, 1x oil refill container, quick-reference adjustment chart, colour code chart, operating instructions + spare parts list

260 262

FIREFOX® 1 F AXIAL ECO

The pneumatic-hydraulic blind rivet nut tools for vertical work

No. 1451105

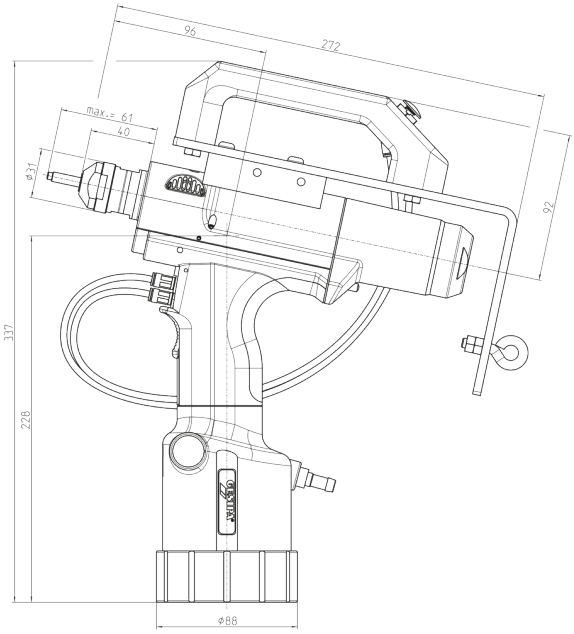
TECHNICAL DATA

Weight	2,8 kg
Stroke, max.	7.5 mm
Setting force	12.000 N at 6 bar
Operating air pressure	5-7 bar
Air hose connection	6 mm Ø (1/4")
Air consumption	approx. 1-2 litres per setting (depending on the rivet nut size)

Working range and scope of delivery analogue to the FireFox® 1F.

ADVANTAGES

- → Very practical for installing blind rivet nuts in places that require a vertical riveting process
- → Cost-effective entry-level option
- → Ideal for installation in assembly cells, fixtures or semi-automated workstations
- → Can be suspended from a balancer



Dimensions in mm

260 268

FIREFOX® 2 F AXIAL ECO

The pneumatic-hydraulic blind rivet nut tools for vertical work

No. 1458103

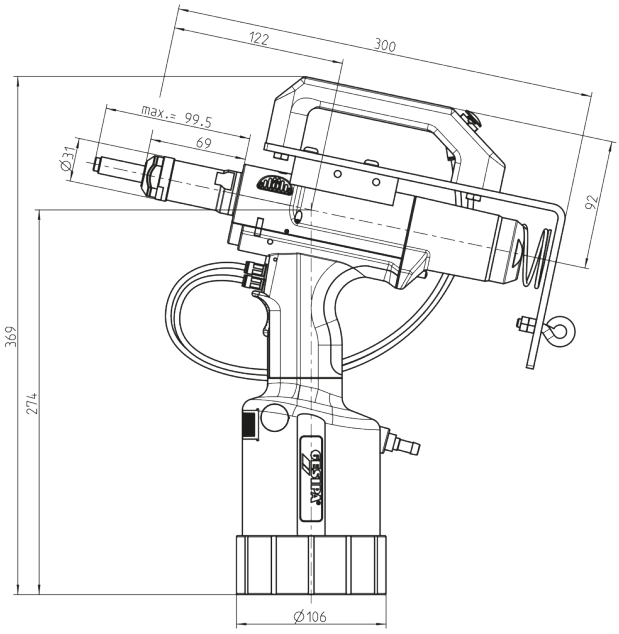
TECHNICAL DATA

Weight	3,3 kg
Stroke, max.	10 mm
Setting force	22.000 N at 6 bar
Operating air pressure	5-7 bar
Air hose connection	6 mm Ø (1/4")
Air consumption	approx. 2-4 litres per setting (depending on the rivet nut size)

Working range and scope of delivery analogue to the FireFox® 2 F.

ADVANTAGES

- → Very practical for installing blind rivet nuts in places that require a vertical riveting process
- → Cost-effective entry-level option
- → Ideal for installation in assembly cells, fixtures or semi-automated workstations
- → Can be suspended from a balancer

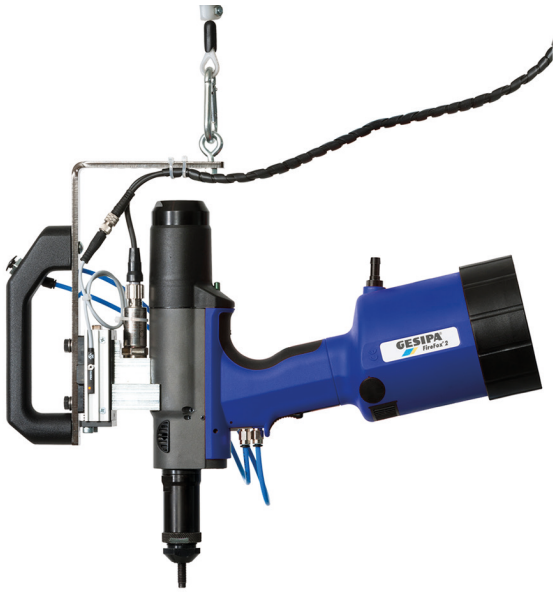


Dimensions in mm

260 268

FIREFOX® 2 F AXIAL ECO WITH CONTACT PRESSURE MONITORING AND COUNTING DEVICE

The FireFox® 2 F Axial eco with contact pressure monitoring and a counting device – available in three variants.



TECHNICAL DATA

Weight	3.3 kg
Stroke, max.	10 mm
Setting force	22,000 N at 6 bar
Operating air pressure	5-7 bar
Air hose connection	6 Ø (1/4")
Air consumption	approx. 2-4 liter

WORKING RANGE

Ø mm

	M3	M4	M5	M6	M8	M10	M12
AL							
Steel							
A2							
A4							

SCOPE OF DELIVERY

2x double open-ended wrenches SW 24/27, 1x hexagonal screwdriver SW 3, 1x 100ml hydraulic oil refill bottle, 1x oil refill reservoir, quick-reference adjustment chart, colour-coding chart, threaded mandrels and noespieces in M6, operating instructions

ADVANTAGES

- → The most cost-effective entry-level solution for process monitoring
- → Ideal for installation in assembly cells, fixtures or semi-automated workstations
- → Very practical for processing blind rivet nuts in places that require a vertical riveting process
- → Can be suspended from a balancer

This tool is based on the proven FireFox® 2 F Axial eco. Three variants are available:

- → with contact pressure monitoring
- → with counting device
- → with contact pressure monitoring and counting device

The counting device is realised by means of an analogue oil pressure sensor, the contact pressure monitoring by means of an adjustable spring mechanism. The use of an analogue oil pressure sensor makes it possible to set the threshold value of the oil pressure, from which a setting process is recognised as valid, on a programmable logic controller (PLC) that is not included in the scope of delivery.

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FIREFOX® 2 C WINTECH

FireFox® 2 C – The variant with setting process monitoring

TECHNICAL DATA

Weight	3.1 kg
Stroke, max.	10 mm
Setting force	22,000 N at 6 bar
Operating air pressure	5-7 bar
Air hose connection	6 Ø (1/4")
Air consumption	approx. 2-4 liter

WORKING RANGE

Ø mm

	M3	M4	M5	M6	M8	M10	M12
AL							
Steel							
A2							
A4							

ADVANTAGES

- → High process reliability
- → Documentation of each individual setting process
- → Fewer rejects, as errors can be detected immediately
- → Avoidance of follow-up costs/quality costs due to non-conforming parts

SCOPE OF DELIVERY

2x double open-ended wrenches SW 24/27, 1x hexagonal screwdriver SW 3, 1x 100ml hydraulic oil refill bottle, 1x oil refill container, quick-adjustment card, colour code card, threaded mandrels + noespieces in M5-M8, operating instructions

The FireFox® 2 C WinTech is based on the proven TAURUS® C model. Here the setting process is analysed via integrated electronics using stroke and force sensors. The user can define an OK window by means of a special software. A coloured LED on the tool shows the results of the setting process monitoring which can also be recorded and processed via data line.

APLLICATIONS

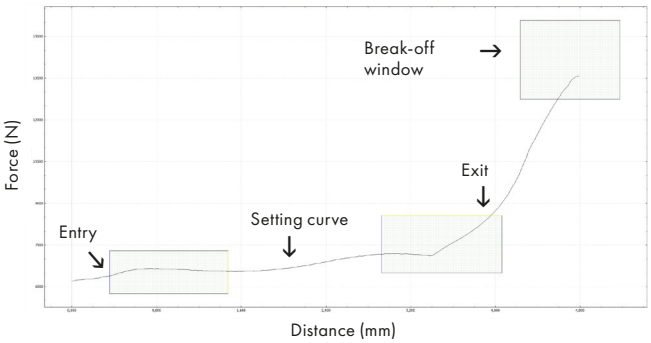
In the serial production of safety component parts as well as in automated setting processes the FireFox® C allows checking and documentation of the setting process.

NOK WINDOW

Even incompletely fitted blind rivet nuts are detected!

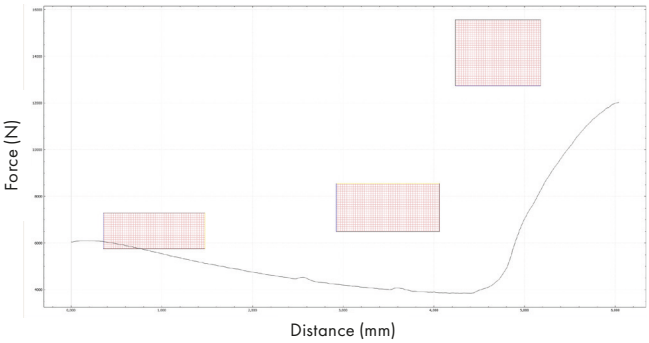
EXAMPLE OF OK PROCESS

Window entry and exit at customer-defined positions



EXAMPLE OF NOT OK PROCESS

Material to be joined too thin due to missing component



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SPARE PARTS / SPECIAL ACCESSORIES FireFox® series

FLEXIBLE BASE – FIREFOX® 1 AND 2

With the new flexible base made from NBR and the larger surface area, the TAURUS® tools stand even more stably.

Flexible base for FireFox® 1 (for all versions)
No. 1436394

Flexible base for FireFox® 2 (for all versions)
No. 1436371

PROTECTIVE COVER for FireFox® 2 with stroke setting.

An additional **protective cover** over the head ensures that the stroke length setting is not unintentionally changed.

Protective cover
No. 1436313

SWIVEL AIR CONNECTOR for FireFox® 1 F & 2

(all versions except FireFox® 2 C)

No. 1435479

THREADED MANDREL AND NOSEPIECE SET FOR BLIND RIVET NUT SETTING TOOLS

Equipped with a complete set of nosepieces and threaded mandrels (M3 to M12) in a plastic carrying case. Suitable for:

- FireBird® Pro Serie
- FireFox® Serie
- FireRex® / FireRex® C WinTech
- eRex®

No. 1458111
Metric dimensions

No. 1458112
UNC/UNF dimensions

TOOL MOUNT* for FireFox® 1 F & 2
(all versions except FireFox® 2 C)

No. 1458175

For integration into automated systems or connection to handling modules

*Tool mount is not available separately. It is supplied mounted on a new tool or can be retrofitted to an existing tool at the Walldorf plant or in a qualified GESIPA® workshop.

Can only be mounted by GESIPA®

CALIBRATION DEVICE
The GESIPA® calibration device for calibrating and adjusting process-controlled blind rivet and blind rivet nut tools. The DAKKS laboratory-certified device is suitable for all GESIPA® WinTech tools.

No. 1666178

INTERFACE 4.0 FOR CONNECTION TO EXTERNAL CONTROLLERS
The communication interface between GESIPA® tools and PLC interface. For all GESIPA® blind rivet tools with process control and connection to a PLC interface.

Interface 4.0 Universal **No. 1634326**

NEW **Interface 4.0 Profinet** **No. 1814433**

SPARE PARTS / SPECIAL ACCESSORIES FireFox® series

CONVERSION KIT FOR BLIND RIVET NUT STUDS

Article	No.	BRN thread protrusion min.	BRN thread protrusion max.*1
M4	**1436285**	8	30
M5	**1436286**	9	30
M6	**1436287**	10	30
M8*2	**1436288**	12	30
M10*2	**1609282**	12	30

*1With the standard conversion kits, blind rivet studs with a thread protrusion of up to 30 mm can be processed. For BNS thread protrusions > 30 mm, a correspondingly extended screw nose piece must be used. Other screw nosepieces are available on request.

*2 not for FireFox® 1 series

CONVERSION KIT FOR COARSE THREAD

	No. FireFox® tools	BRN thread protrusion min.	BRN thread protrusion max.
T5	**1458170**	9	22
T6	**1458171**	10	22

Further dimensions on request.

SCREW NOSEPIECE for conversion kit

Description	No.
Screw nosepiece M4	**1435100**
Screw nosepiece M5	**1435102**
Screw nosepiece M6	**1435103**
Screw nosepiece M8*2	**1435105**
Screw nosepiece M10*2	**1609270**

SCREW INSERT for conversion kit

Description	No.
Screw insert M4	**1436278**
Screw insert M5	**1436280**
Screw insert M6	**1436281**
Screw insert M8*2	**1436282**
Screw insert M10*2	**1609283**

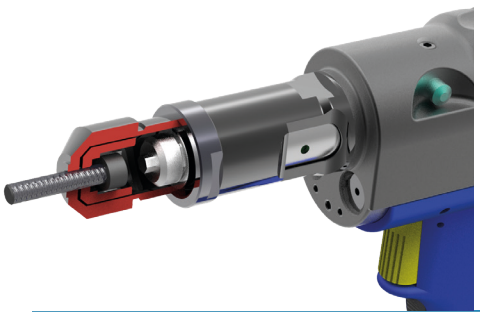
CONVERSION KIT FOR HEXAGON SOCKET SCREWS

Can be operated with DIN EN ISO 4762 allen screws instead of threaded mandrels.

Special adapters available as accessory for M4 to M8 threads allows the original threaded mandrels to be replaced by allen screws: A substantial cost saving without any quality or performance loss and higher endurance when far away from the spare parts source. Best results are obtained with 12.9 grade screws

Conversion kit for blind rivet nuts	No.
M4 x min. 20	**1436264**
M5 x min. 25	**1436279**
M6 x min. 30	**1436283**
M8*2 x min. 30	**1436284**

*2 not for FireFox® 1 series



Conversion kit for extended DIN screws SL30 No.		Conversion kit for extended DIN screws SL50 No.	
M4 x min. 50	**1458182**	M4 x min. 70	**1529115**
M5 x min. 55	**1458183**	M5 x min. 75	**1567148**
M6 x min. 60	**1458184**	M6 x min. 80	**1567147**
M8 x min. 60	**1458178**	M7 x min. 80	**1567146**

CONVERSION KIT FOR CRIMP NUTS

FireFox® 2 (all variants)

Use

The conversion kits allow the use of the FireFox® 2 for inserting crimp nut sizes M6 to M12. This is done as fast as usual by drilling the nut on and off automatically and by fast insertion.

Delivered version

The conversion kit is delivered as a pre-assembled accessory. For inserting crimp nuts into very thick steel plates special sizes of threaded mandrels have to be used.

Installation

For installing the conversion kit special tools are not necessary. This can be done by using the wrench that comes with the FireFox® 2 standard version.

Installed conversion kit

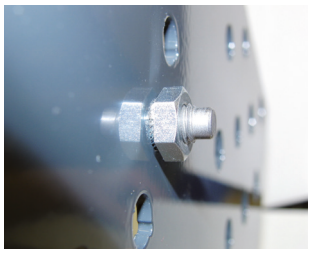
Conversion kit for setting nut	No.
M6	**1436354**
M8	**1436355**
M10	**1436356**
M12	**1436357**

The conversion kit is delivered as a preassembled accessory.

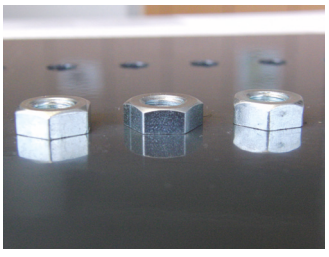
The spring-loaded centering bush allows the setting nut to be inserted in an optimum way.

Threaded mandrels for conversion kit

Description	No.
Threaded mandrel M6	**1436214**
Threaded mandrel M8	**1436215**
Threaded mandrel M10	**1436216**
Threaded mandrel M12	**1436217**



The nut automatically drills on after having been slightly pressed onto the threaded mandrel.



Inserted nut after process has been finished.

FIREREX®

The pneumatic-hydraulic blind rivet nut tool with external pressure intensifier for more flexibility

TECHNICAL DATA

Weight	4.4 kg
Stroke, max.	10 mm
Setting force	22,000 N at 6 bar
Operating air pressure	5-7 bar
Air hose connection	6 Ø (1/4")
Air consumption	approx. 2-4 liter

WORKING RANGE

Ø mm

	M3	M4	M5	M6	M8	M10	M12
AL							
Steel							
A2							
A4							

SCOPE OF DELIVERY

Threaded mandrels and nosepieces available in a range of sizes

ADVANTAGES

- → Low weight of the riveting gun
- → Hose connection with quick-release coupling (optional): the gun can be disconnected from the external pressure intensifier without oil loss and without venting
- → Excellently suited for setting blind rivet nuts in hard-to-reach places
- → Also ideal for installation in assembly cells, fixtures or semi-automated workstations
- → Can be equipped with almost all FireFox® 2 accessories, e.g. extension units, mandrel containers, blind rivet nut counters, setting process monitoring, spring-loaded trigger system and remote control

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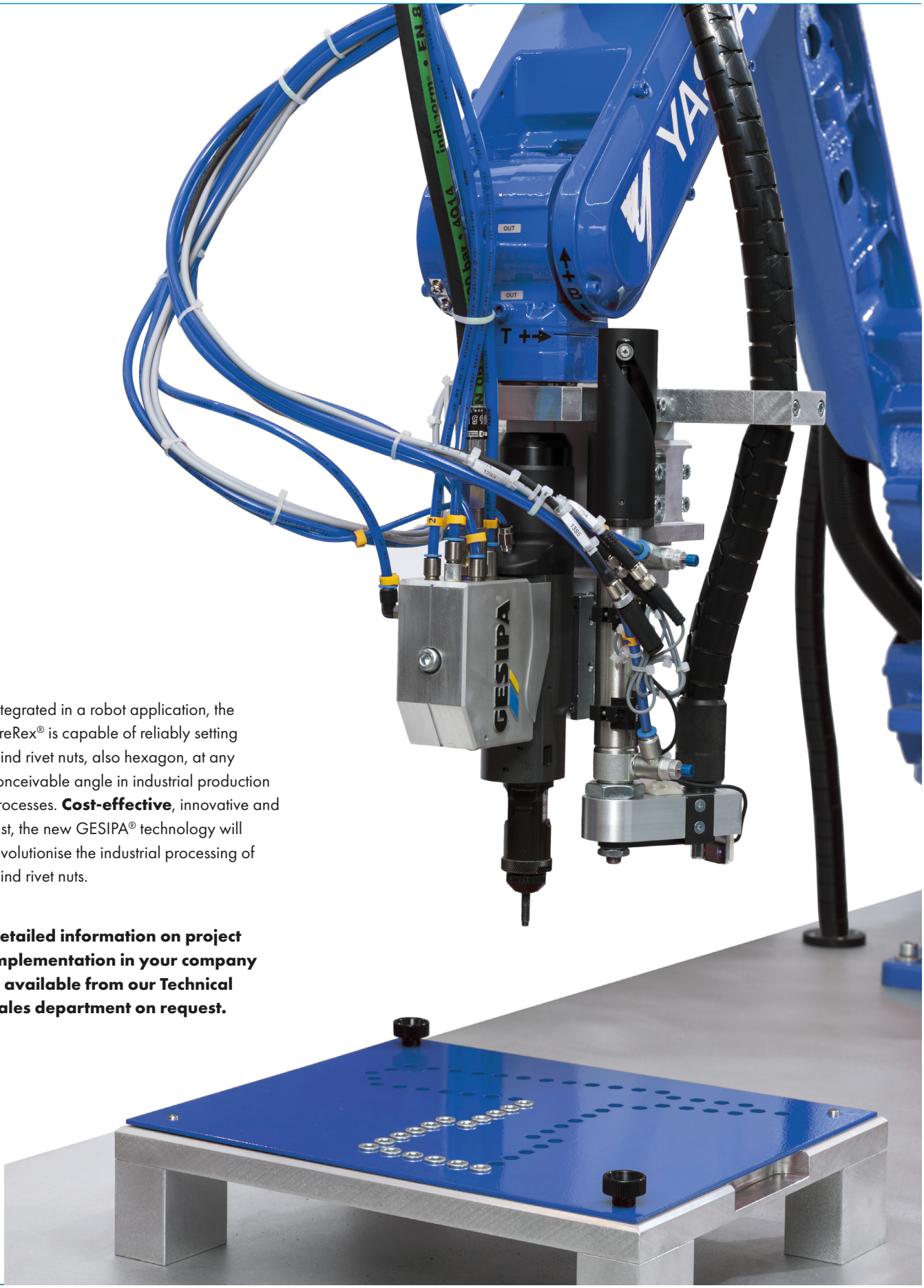
FIREREX® *as robot application*



Integrated in a robot application, the FireRex® is capable of reliably setting blind rivet nuts, also hexagon, at any conceivable angle in industrial production processes. **Cost-effective**, innovative and fast, the new GESIPA® technology will revolutionise the industrial processing of blind rivet nuts.

Detailed information on project implementation in your company is available from our Technical Sales department on request.

FIREREX® C WINTECH

The hydropneumatic blind rivet nut tool with external pressure booster and with setting process monitoring

Technical data, working range
and advantages analog to FireRex®

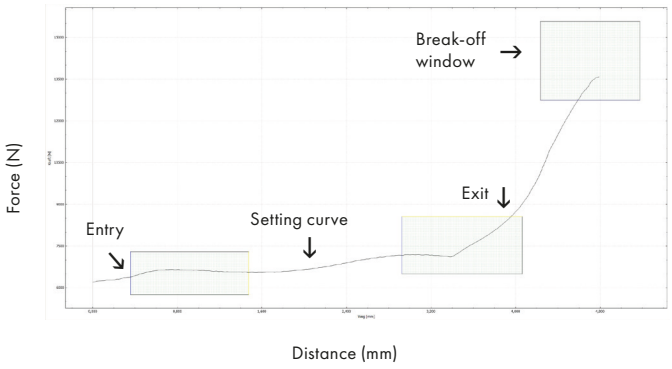
NOW ALSO AVAILABLE WITH SETTING PROCESS MONITORING!

In the production of critical components as well as in automatic setting processes, the FireRex® C WinTech can facilitate monitoring and documentation of the results. The FireFox® 2 C WinTech is based on the proven TAURUS® C model. Here the setting process is analysed via integrated electronics using stroke and force sensors. The user can define an OK window by means of a special software. A coloured LED on the tool shows the results of the setting process monitoring which can also be recorded and processed via data line.

As a further development of the tried and tested FireFox® 2, the FireRex® C is capable of setting blind rivet nuts at any conceivable angle in industrial production processes. The external pressure booster makes the FireRex® C particularly suitable for use in tight spaces. The special gun of the FireRex® C can be integrated in production systems and facilitates flexible and ergonomically efficient manual working procedures in applications with restricted access and therefore require riveting from above.

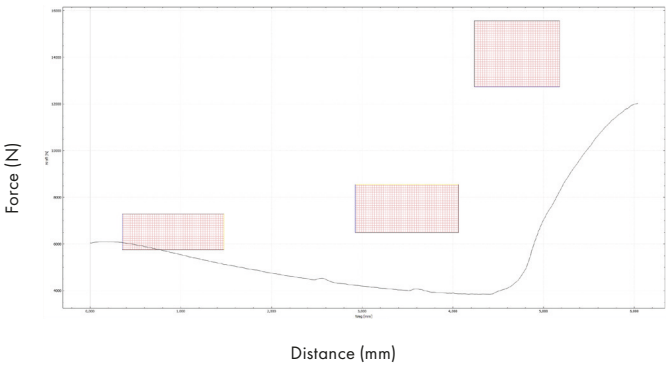
EXAMPLE OF OK PROCESS

Window entry and exit at customer-defined positions



EXAMPLE OF NOT OK PROCESS

Material to be joined too thin due to missing component



eREX®

Fast. Compact. Environmentally friendly! The electric blind rivet nut tool for blind rivet nuts and studs!

ELECTRICAL

TECHNICAL DATA

Setting force	20,000
Weight	3.1 kg
Drive	Brushless DC motor (BLDC)
Stroke	10 mm

WORKING RANGE

Ø mm

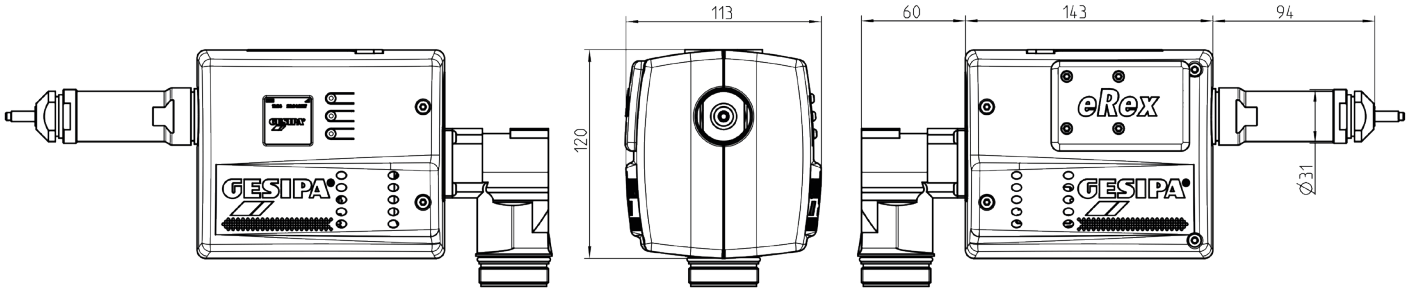
	M3	M4	M5	M6	M8	M10	M12
AL							
Steel							
A2							
A4							

SCOPE OF DELIVERY

Threaded mandrels and nosepieces available in a range of sizes from M5 to M12.

ADVANTAGES

- → Fast and easy
- → Compact housing
- → Brushless motor (BLDC)
- → Maintenance-friendly
- → Environmentally friendly as no compressed air supply is required
- → Perfect for use in sensitive areas/on sensitive surfaces, as no oil leakage is possible
- → When changing the connector, the setting force between the setting processes can be readjusted via the PLC
- → Versatile mounting options
- → Special power supply included



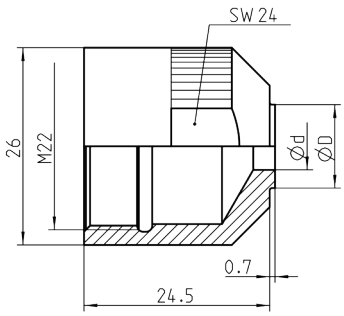
Dimensions in mm

NOSEPIECES STANDARD

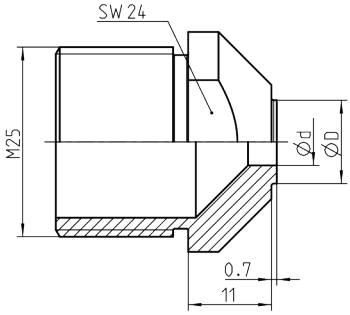
For the FireBird®-, FireBird® Pro- and FireFox® series

Nosepiece	d Ø mm	D Ø mm	No. FireBird®	No. FireBird® Pro / FireBird® Pro GE / FireBird® Pro S GE	No. FireFox® 2, FireFox® 2 F FireFox® 2 FL	No. FireFox® 1 F
M3	3.2	7.0	**1435065**	**1436218**	-	**143 6218**
M4	4.2	8.0	**1435066**	**1436219**	**143 6219**	**143 6219**
M5	5.2	9.0	**1435067**	**1436220**	**143 6220**	**143 6220**
M6	6.2	11.0	**1435068**	**1436221**	**143 6221**	**143 6221**
M8	8.2	13.0	**1435069**	**1436222**	**143 6222**	-
M10	10.2	14.0	**1435070**	**1436223**	**143 6223**	-
M12	12.2	17.0	-	**1436224***	**143 6224**	-
6-32 UNC	3.7	7.0	**1457461**	**1436256**	**143 6256****	**143 6256**
8-32 UNC	4.4	8.0	**1435093**	**1436257**	**143 6257****	**143 6257**
10-24 UNC/10-32 UNF	5.0	9.0	**1435094**	**1436258**	**143 6258****	**143 6258**
1/4"-20 UNC	6.5	11.0	**1435095**	**1436259**	**143 6259****	-
5/16"-18 UNC	8.2	13.0	-	**1436222**	**143 6222****	-
3/8"-16 UNC	9.8	14.0	**1457459**	**1436261**	**143 6261 ****	-

*Does not apply to FireBird® Pro / FireBird® Pro S
**Does not apply to FireFox® 2 FL
Other dimensions on request.



Standard nosepiece FireBird®



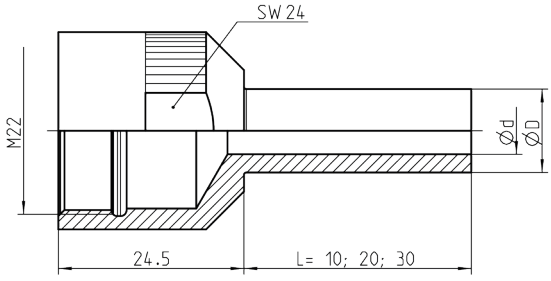
Standard nosepiece FireBird® Pro/FireFox®

SPECIAL NOSEPIECES

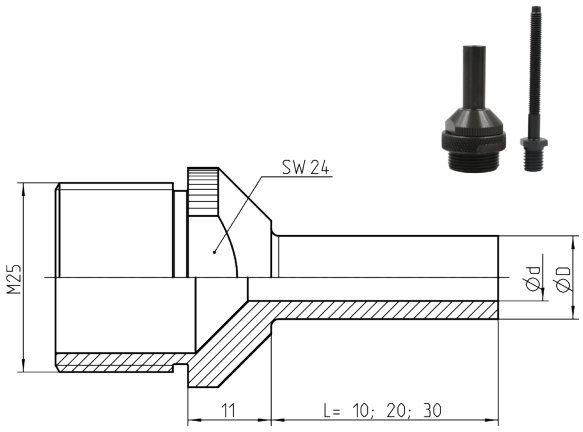
For the FireBird®-, FireBird® Pro- and FireFox® series

Nosepiece	SL	d Ø mm	D Ø mm	No. FireBird®	No. FireBird® Pro / FireBird® Pro GE / FireBird® Pro S GE	No. FireFox® 2 , FireFox® 2 F	No. FireFox® 1 F
M3	SL10	3.2	7.0	-	1458149	-	1458149
	SL20			-	1458134	-	1458134
	SL30			1457470	1436314	-	1436314
M4	SL10	4.2	8.0	-	1458150	1458150	1458150
	SL20			-	1458135	1458135	1458135
	SL30			1457469	1436315	1436315	1436315
M5	SL10	5.2	9.0	1457479	1458151	1458151	1458151
	SL20			1457478	1458136	1458136	1458136
	SL30			1457472	1436316	1436316	1436316
M6	SL10	6.2	11.0	1457481	1458131	1458131	1458131
	SL20			1457480	1458137	1458137	1458137
	SL30			1457473	1436317	1436317	1436317
M8	SL10	8.2	13.0	1457482	1458152	1458152	-
	SL20			1457498	1458138	1458138	-
	SL30			1457474	1436318	1436318	-
M10	SL10	10.2	14.0	-	1458153	1458153	-
	SL20			-	1458139	1458139	-
	SL30			-	1436319	1436319	-
M12	SL10	12.2	17.0	-	1458154*	1458154	-
	SL20			-	1458140*	1458140	-
	SL30			-	1436320*	1436320	-

*Does not apply to FireBird® Pro / FireBird® Pro S
Other dimensions on request.



SL nosepiece FireBird®



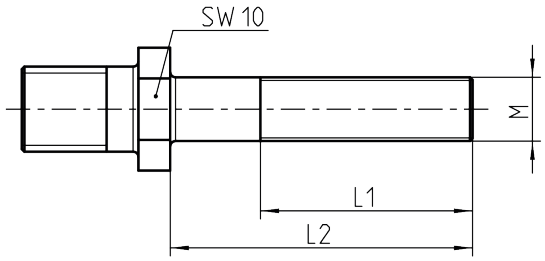
SL nosepiece FireBird® Pro/FireFox®

THREADED MANDRELS STANDARD

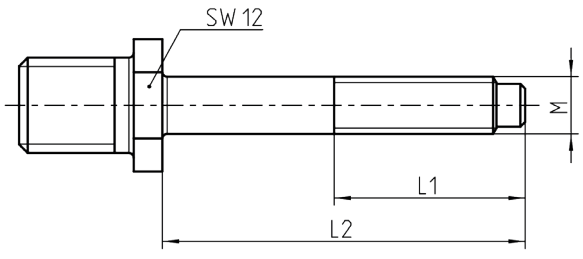
For the FireBird®-, FireBird® Pro- and FireFox® series

Threaded mandrels	L1 mm	L2 mm	No. FireBird®	L1 mm	L2 mm	No. FireBird® Pro / FireBird® Pro GE / FireBird® Pro S GE	No. FireFox® 1F	No. FireFox® 2 FireFox® 2 F	No. FireFox® 2 FL
M3	13.5	17	**1435052**	11	23	**1436211**	**1436211**	-	-
M4	15.5	19	**1435055**	14.5	26.5	**1436212**	**1436212**	**1436212**	**1436364**
M5	16	19.5	**1435056**	17	29	**1436213**	**1436213**	**1436213**	**1436365**
M6	20	23.5	**1435059**	20.5	32.5	**1436214**	**1436214**	**1436214**	**1436366**
M8	21.5	25	**1435063**	22	34	**1436215**	-	**1436215**	**1436367**
M10	22	25.5	**1435064**	23	35	**1436216**	-	**1436216**	**1436368**
M12	_	_	-	30	42	**1436217***	-	**1436217**	**1436369**
6-32 UNC	15.5	19	**1457460**	15	27	**1436249**	**1436249**	**1436249**	-
8-32 UNC	15.5	19	**1435090**	15	27	**1436250**	**1436250**	**1436250**	-
10-24 UNC	19.5	23	**1457475**	17.5	29.5	**1436251**	**1436251**	**1436251**	-
10-32 UNF	19.5	23	**1435091**	16	28	**1436252**	**1436252**	**1436252**	-
1/4"-20 UNC	24	27.5	**1435092**	24	36	**1436253**	-	**1436253**	-
5/16"-18 UNC	27.5	31	**1457457**	28	40	**1436254**	-	**1436254**	-
3/8"-16 UNC	30.5	34	**1457458**	29	41	**1436255**	-	**1436255**	-

*Does not apply to FireBird® Pro
Other dimensions on request.



Standard threaded mandrel FireBird®



Standard threaded mandrel FireBird® Pro/FireFox®

SPECIAL THREADED MANDRELS

For the FireBird®-, FireBird® Pro- and FireFox® series

Threaded mandrels	SL	L2 mm	No. FireBird®	SL	L2 mm	No. FireBird® Pro / FireBird® Pro GE / FireBird® Pro S GE	No. FireFox® 2 / FireFox® 2 F	No. FireFox® 1F
M3	SL10	-	-	SL10	33	**1458156**	-	**1458156**
	SL20	-	-	SL20	43	**1458141**	-	**1458141**
	SL30	47	**1457471**	SL30	53	**1436325**	-	**1436325**
M4	SL10	-	-	SL10	36.5	**1458157**	**1458157**	**1458157**
	SL20	-	-	SL20	46.5	**1458142**	**1458142**	**1458142**
	SL30	49	**1457464**	SL30	56.5	**1436326**	**1436326**	**1436326**
M5	SL10	29.5	**1457484**	SL10	39	**1458158**	**1458158**	**1458158**
	SL20	39.5	**1457483**	SL20	49	**1458143**	**1458143**	**1458143**
	SL30	49.5	**1457465**	SL30	59	**1436327**	**1436327**	**1436327**
M6	SL10	33.5	**1457486**	SL10	42.5	**1458132**	**1458132**	**1458132**
	SL20	43.5	**1457485**	SL20	52.5	**1458144**	**1458144**	**1458144**
	SL30	53.5	**1457466**	SL30	62.5	**1436328**	**1436328**	**1436328**
M8	SL10	35	**1457488**	SL10	44	**1458159**	**1458159**	-
	SL20	45	**1457487**	SL20	54	**1458145**	**1458145**	-
	SL30	55	**1457467**	SL30	64	**1436329**	**1436329**	-
M10	SL10	-	-	SL10	45	**1458160**	**1458160**	-
	SL20	-	-	SL20	55	**1458146**	**1458146**	-
	SL30	-	-	SL30	65	**1436330**	**1436330**	-
M12	SL10	-	-	SL10	52	**1458161 ***	**1458161**	-
	SL20	-	-	SL20	62	**1458147***	**1458147**	-
	SL30	-	-	SL30	72	**1436331 ***	**1436331**	-

*Does not apply to FireBird® Pro Other dimensions on request.

RETAILER AREA / POINT OF SALE

RETAILER AREA

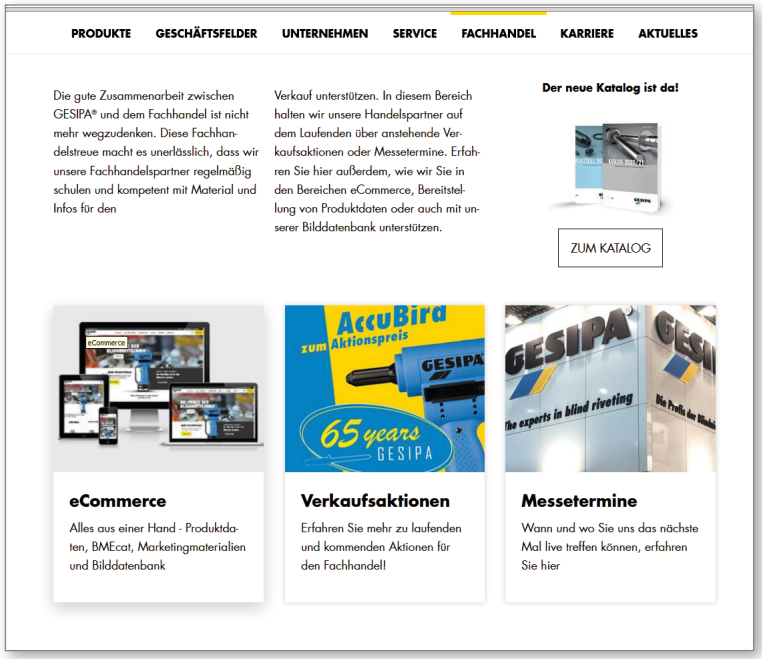
The good cooperation between GESIPA® and our partners in distribution and retail has become indispensable. This loyalty to retailers makes it essential that we train our partners regularly and support them with material and information for sales.

In this area we keep our trading partners up to date about upcoming sales promotions or exhibition appointments. You can also find out how we support you in terms of eCommerce, product data, flyer, brochures or with our image database.

On our service portal you will fin many information:

https://en.gesipa.de/service/

https://en.gesipa.de/b2b/



Please note: Parts of these services are only valid for Germany and/or Austria. If you have any questions on this subject, please contact your responsible contact person.

RIVET HANDBOOK

The ideal companion for the GESIPA® „Do-it-yourself" product range.

With GESIPA® blind rivet technology, both large and small objects in the home can be repaired in next to no time. The Rivet Handbook explains the advantages of blind rivet technology by means of easily understandable examples. Figures illustrate the range of possible applications for rivets as well as the setting procedure using the corresponding tools.

No. 1431960

POINT OF SALE

SALES WALL

The GESIPA® sales wall guarantees the highest level of attention in specialist stores.

All GESIPA® fast turners are professionally and clearly presented on a sales wall that promotes sales. Using light boxes, attention is skilfully drawn to the GESIPA® logo, which serves as an eye-catcher for the customers. The light boxes are suitable for the TEGOMETALL racking system.

Prices and additional information are available on request. The GESIPA® sales team will be happy to advise you!

IN-HOUSE TRADE FAIRS

GESIPA® will gladly take part in your in-house trade show.

In the retail sector information is just as important as the products themselves. Due to the wide range of products available on the market, many products are no longer self-explanatory, and hence experience sharing and a relationship based on trust are becoming increasingly important.

Establishing contacts is very important and, traditionally, this takes place at trade fairs when talking to business partners.

Just contact us and we will be happy to come to your in-house trade fair!

DO IT YOURSELF

NTS Hand riveter

For easy setting blind rivets.

- → Narrow head for difficult to access
- → rivet locations
- → Opening spring for automatic ejection of the mandrel
- → Ergonomic handles

No. 1434029

NIETBOY

The handyman's riveting kit including NTS hand riveter and a selection of 100 rivets, washers and a drill.

No. 1435461

BLIND RIVET ASSORTMENT

CONTENTS
100 blind rivets
in alu/steel:
4 mm Ø x 6, x 8, x 12

No. 1433667

BLIND RIVET ASSORTMENT PRO

1578 parts in the L-BOXX

NEW

No. 1853378

CONTENTS: 15 PolyGrip® dimensions Ø 3.2 - 4.8 in AL/ST, AL/A2, ST/ST, A2/A2, Large head, incl. 3x drill bits

AL/A2	3,2x8,0 K9,5	100 ST
AL/ST	3,2x8,0	100 ST
A2/A2	3,2x8,0	100 ST
AL/A2	4,0x10,0	200 ST
ST/ST	4,8x10,0	50 ST
AL/A2	4,8x10,0 K16	50 ST
ST/ST	4,0x10,0	200 ST
A2/A2	4,8x10,0	50 ST

AL/A2	4,0x10 K12	75 ST
ST/ST	3,2x8,0	100 ST
AL/ST	4,0x10,0	200 ST
A2/A2	4,0x10,0	150 ST
AL/A2	4,8x10,0	50 ST
AL/A2	3,2x8,0	100 ST
AL/ST	4,8x10,0	50 ST
Ø 3,3mm–4,1mm–4,9mm HSSE		3x

GBM 5 Blind rivet nut tool

- → Easy stroke adjustment
- → Quick exchange of mandrel

Sets blind rivet nuts from M4 bis M6 Alu
and up to M5 steel and stainless steel.

Content: 15 x M5 Alu,
threaded mandrel M4 and M5,
M6 in working position,
1 maintenance wrench

No. 1434803

BLIND RIVET NUT ASSORTMENT

CONTENTS
Each one threaded mandrel
M4 and M5 for NTS and NTX.
Each 8 blind rivet nuts M4
short and long.

Each 8 blind rivet nuts M5
short and long.

No. 1433675

SERVICE-PACK

CONTENTS
50 pcs. of washers 3.1 and 4.1 mm Ø
and one of drills 3.1 and 4.1 mm Ø

No. 1433668

MINI-PACKS

MINI-PACK BLIND RIVETS

18 of the most popular blind rivet sizes in **alu/steel, steel/steel** and **copper/bronze** in single boxes.

Alu/steel

D x L mm	mm	No.	
3 x 6	2.5 - 3.5	**143 3530**	100
3 x 8	4.5 - 5.0	**143 3531**	100
3 x 12	7.0 - 9.0	**143 3532**	100
4 x 6	1.5 - 3.0	**143 3533**	100
4 x 8	4.0 - 5.0	**143 3534**	100
4 x 12	6.5 - 8.5	**143 3535**	100
5 x 6	2.0 - 2.5	**143 3536**	50
5 x 10	4.5 - 6.0	**143 3537**	50
5 x 12	6.0 - 8.0	**143 3538**	50

Copper/bronze

4 x 6	0.5 - 3.5	**143 3662**	50
4 x 10	4.5 - 6.5	**143 3663**	50
4 x 12	6.5 - 8.5	**143 3664**	50

Steel/steel

3 x 6	2.0 - 3.0	**143 3568**	100
3 x 10	5.0 - 6.5	**143 3569**	100
3 x 12	6.5 - 8.5	**143 3570**	100
4 x 6	0.5 - 2.5	**143 3571**	100
4 x 10	4.5 - 6.5	**143 3572**	100
4 x 12	6.5 - 8.5	**143 3573**	100

BLIND RIVET NUTS BLISTERED

GBM mini pack blind rivet nuts in **alu** on blister card.

Description	d_h mm	mm	No.	
M4	6.1	0.25 - 3.0	**143 3669**	20
M4	6.1	2.5 - 4.5	**143 3670**	20
M5	7.1	0.25 - 3.0	**143 3671**	15
M5	7.1	2.5 - 5.0	**143 3672**	15
M6	9.1	0.25 -3.5	**143 3673**	8
M6	9.1	3.0 - 5.5	**143 3674**	7

d_h = hole-Ø in mm = Grip range

MINI-PACKS

MINI PACK POLYGRIP® BLIND RIVETS

PolyGrip® alu/steel

D x L mm	mm	No.	
3.2 x 8	0.5 - 5.0	**143 3846**	100
3.2 x 11	3.0 - 8.0	**143 3847**	100
4 x 10	0.5 - 6.5	**143 3848**	100
4 x 17	7.0 - 13.0	**143 3849**	50
4.8 x 10	0.5 - 6.5	**143 3850**	50
4.8 x 17	6.5 - 13.0	**143 3851**	50

PolyGrip® alu/stainless steel

3.2 x 8	0.5 - 5.0	**146 4835**	100
3.2 x 11	3.0 - 8.0	**146 4834**	100
4 x 10	0.5 - 6.5	**146 4831**	100
4 x 17	7.0 - 13.0	**143 2059**	50
4.8 x 10	0.5 - 6.5	**146 4833**	50
4.8 x 17	6.5 - 13.0	**146 4832**	50

Material surcharge will be added at a daily rate.

PolyGrip® alu/steel large flange K16

4.8 x 10	0.5 - 6.5	**143 3852**	25
4.8 x 17	6.5 - 13.0	**143 3853**	25

PolyGrip® steel/steel

D x L mm	mm	No.	
3.2 x 8	1.0 - 5.0	**146 4887**	100
3.2 x 11	3.0 - 8.0	**146 4886**	100
4 x 10	1.5 - 6.5	**146 4884**	100
4 x 13	4.5 - 9.0	**146 4883**	50
4.8 x 10	1.5 - 6.5	**143 2058**	50
4.8 x 15	6.0 - 11.0	**146 4885**	50

PolyGrip® stainless steel

3.2 x 8	1.0 - 5.0	**143 2060**	100
3.2 x 11	3.0 - 8.0	**146 4830**	75
4 x 10	1.0 - 6.5	**146 4827**	75
4 x 17	7.0 - 11.0	**146 4826**	50
4.8 x 10	1.0 - 6.5	**146 4829**	50
4.8 x 15	5.0 - 10.0	**146 4828**	50

Material surcharge will be added at a daily rate.

MINI PACK POLYGRIP® BLIND RIVET NUTS

POLYGRIP® Alu

Description	d_h mm	mm	No.	
M 5	7.1	0.25 - 5.0	**146 4843**	50
M 6	9.1	0.25 - 6.0	**146 4842**	25
M 8	11.1	0.5 - 6.5	**146 4841**	25

PolyGrip® steel

M 5	7.1	0.25 - 5.0	**146 4840**	50
M 6	9.1	0.25 - 6.0	**146 4839**	25
M 8	11.1	0.5 - 6.5	**146 4915**	25

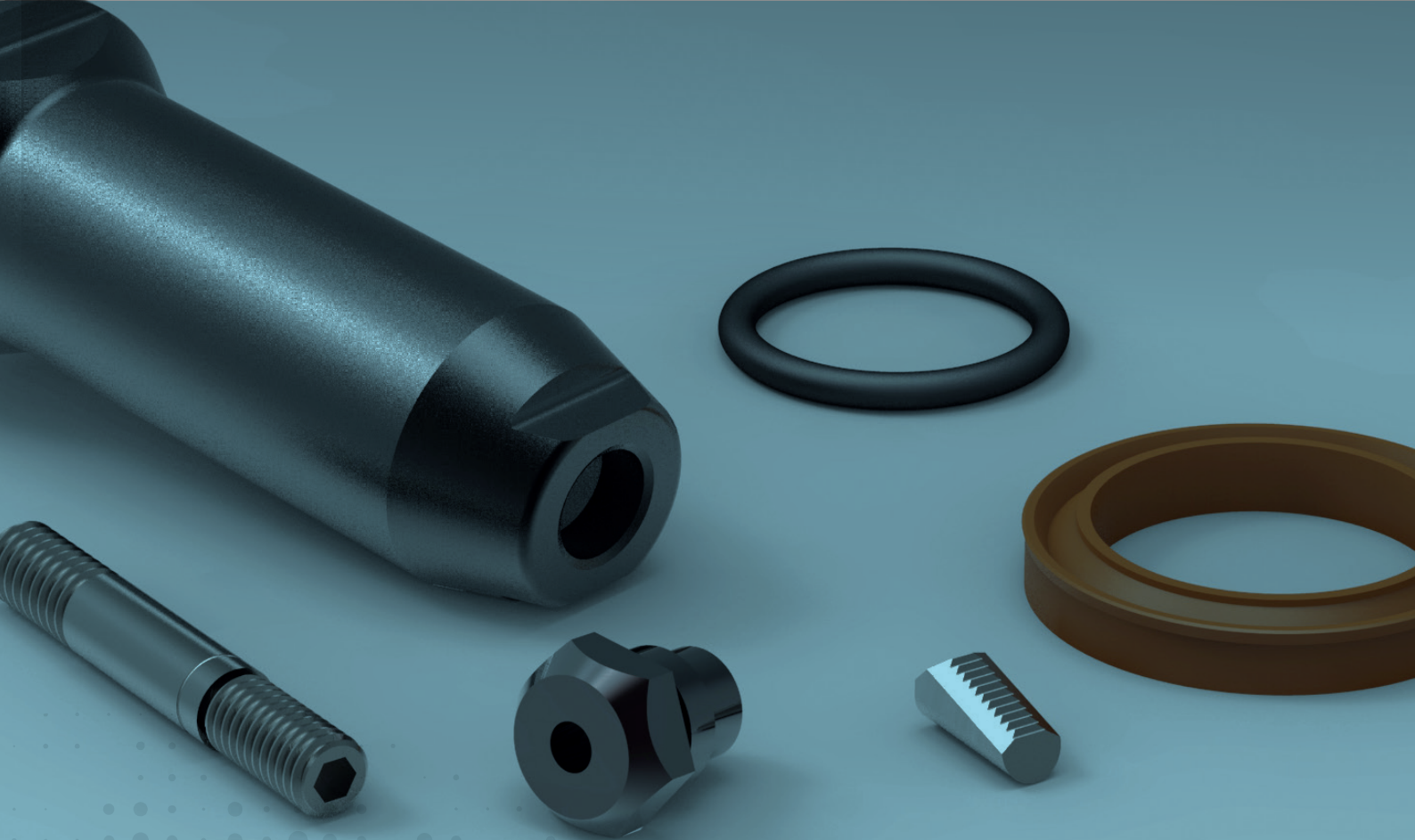
PolyGrip® A2 stainless steel

M 5	7.1	0.25 - 5.0	**146 4888**	50
M 6	9.1	0.25 - 6.0	**146 4838**	25
M 8	11.1	0.5 - 6.5	**146 4837**	25

Material surcharge will be added at a daily rate.

d_h = hole-Ø in mm

= Grip range



SPARE PARTS 2025/26

A member of SFS

GESIPA®

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SPARE PART KITS

Spare part kits 403

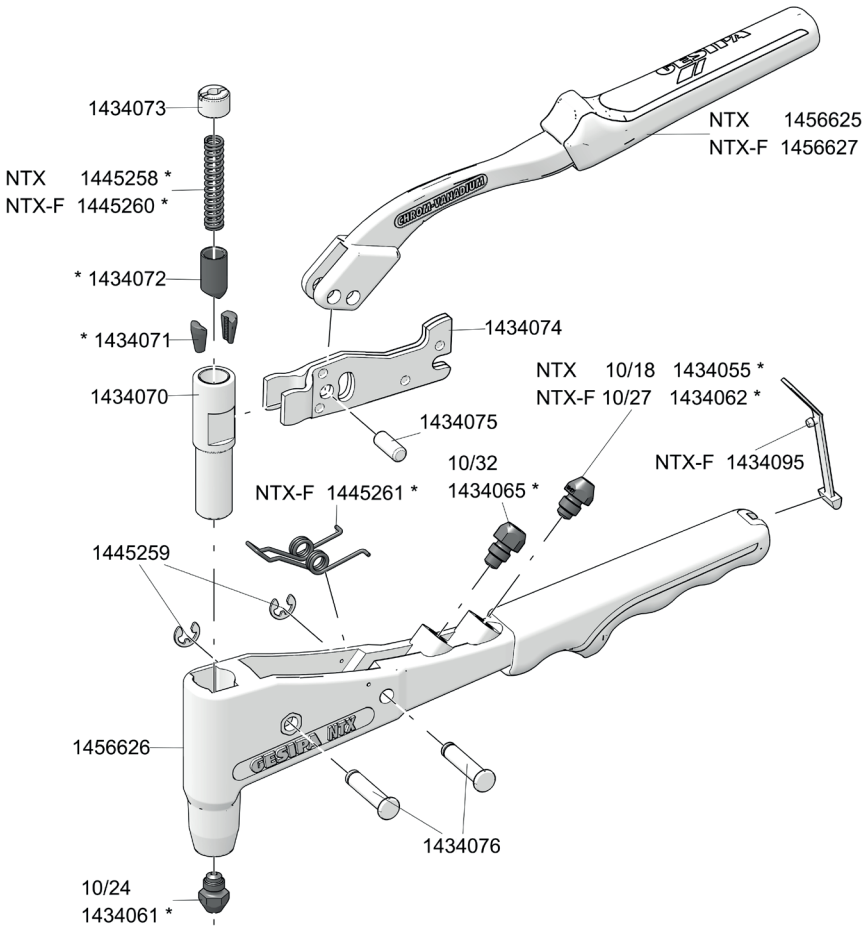
LEGEND

	Description
No.	Article number
	Position
	Tool type

NTX and NTX-F *(with self opening spring)*

No. 143 4040 (NTX)
No. 143 4042 (NTX-F)

No.		
143 4055*	NTX	Nosepiece 10/18
143 4061*		Nosepiece 10/24
143 4062*	NTX-F	Nosepiece 10/27
143 4065*		Nosepiece 10/32
143 4070		Jaw housing
143 4071*		Jaws (2-part)
143 4072*		Jaw pusher
143 4073		Closure screw
143 4074		Lever
143 4075		Bolt
143 4076		Bolt
143 4095	NTX-F	Strap
143 4241		Hard jaws (2-part) for CAP® blind rivets
144 5258*	NTX	Compression spring
144 5259		Snap ring
144 5260*	NTX-F	Compression spring
144 5261*	NTX-F	Self opening spring
145 6625	NTX	Tool shanks with sleeve grip
145 6626	NTX-F	Tool Housing with slide block, lever and grip
145 6627	NTX-F	Tool shanks with sleeve grip



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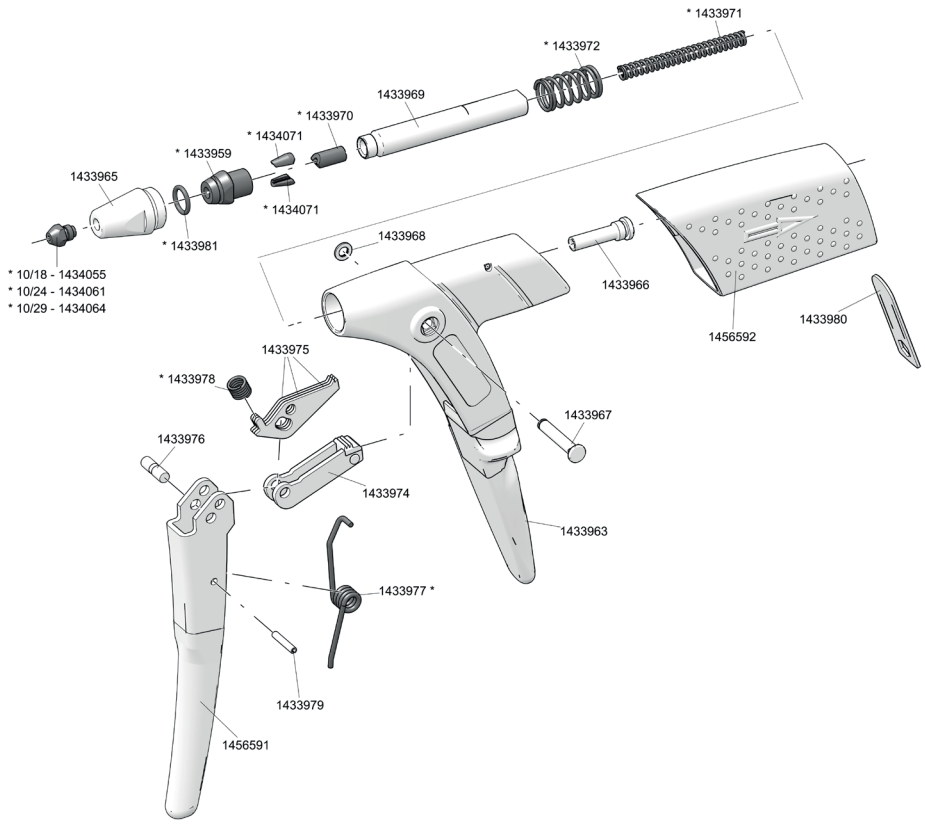
*** Wearing parts**

No.	
143 3959*	Jaw housing
143 3963	Housing with slide block, lever and grip
143 3965	Head
143 3966	Closure screw
143 3967	Pivot bolt
143 3968	Snap ring
143 3969	Lock activator
143 3970*	Jaw pusher
143 3971*	Compression spring
143 3972*	Return spring
143 3974	Drive pawl
143 3975	Storage finger (3-part) per set
143 3976	Bolt
143 3977*	Self opening spring
143 3978*	Retaining spring
143 3979	Spring dowel sleeve
143 3980	Maintenance wrench SW 10
143 3981*	O ring for jaw housing
143 4055*	Nosepiece
143 4061*	Nosepiece
143 4064*	Nosepiece
143 4071*	Jaws (2-part) per set
145 6591	Housing with slide block, lever and grip
145 6592	Operating lever with sleeve grip

Changeover set for plastic rivets

	No.	
10/30 K*	143 4092	Nosepiece
10/35 K*	143 4093	Nosepiece
10/40 K*	143 4094	Nosepiece
17 K*	143 4086	Jaws (2-part) per set
18 K	143 3982	Jaw pusher
24 K	143 3983	Closure screw
	143 3984	**Changeover set complete**



*** Wearing parts**

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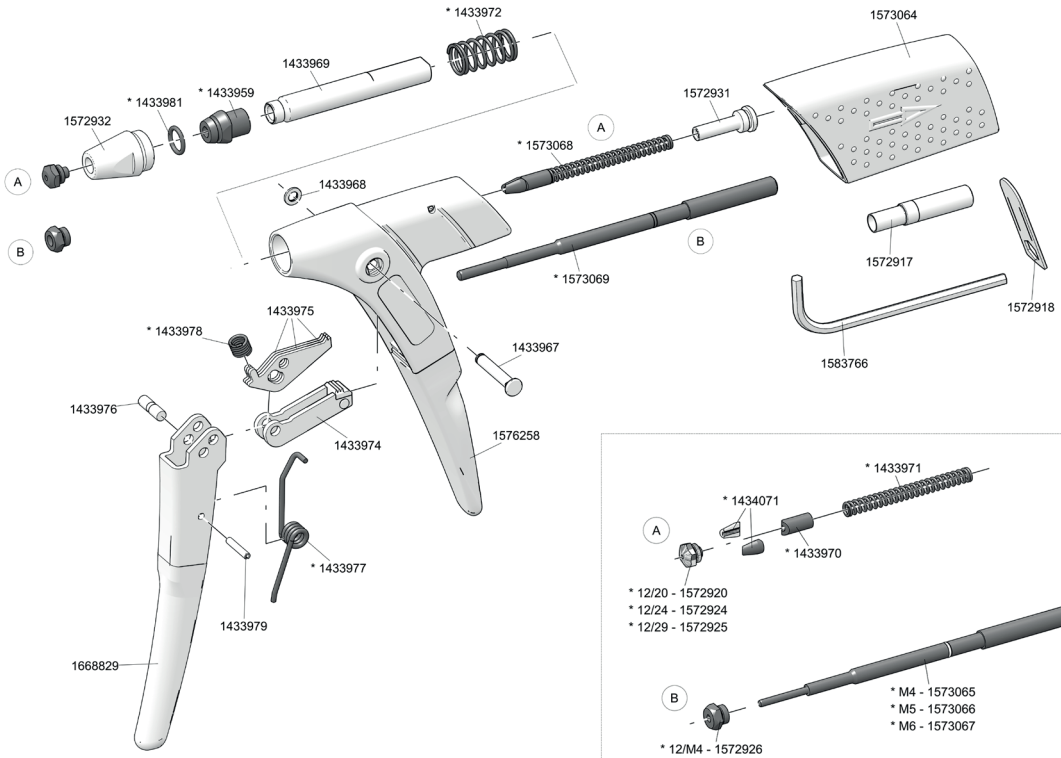
Flipper® Plus

No. 157 1258

No.	
143 3959*	Jaw housing
143 3967	Pivot bolt
143 3968	Snap ring
143 3969	Lock activator
143 3970*	Jaw Pusher
143 3971*	Compression spring
143 3972*	Compression spring
143 3974	Drive pawl
143 3975	Storage finger (3-part) per set
143 3976	Bolt
143 3977*	Self opening spring
143 3978*	Retaining spring
143 3979	Spring dowel sleeve
143 3981*	O ring
143 4071*	Jaws (2-part)
157 2917	Assembly aid
157 2918	Assembly key

No.	
157 2920*	Nosepiece 12/20
157 2924*	Nosepiece 12/24
157 2925*	Nosepiece 12/29
157 2926*	Nosepiece M4
157 2927*	Nosepiece M5
157 2929*	Nosepiece M6
157 2931	Closure screw
157 2932	Steel head sleeve
157 3064	Spent mandrel container
157 3065*	Draw bar M4
157 3066*	Draw bar M5
157 3067*	Draw bar M6
157 3068*	Jaw mechanism
157 3069*	Jaw mechanism
157 6258	Housing with slide block, lever and grip
158 3766	Hexagon key
166 8829	Actuating lever



*** Wearing parts**

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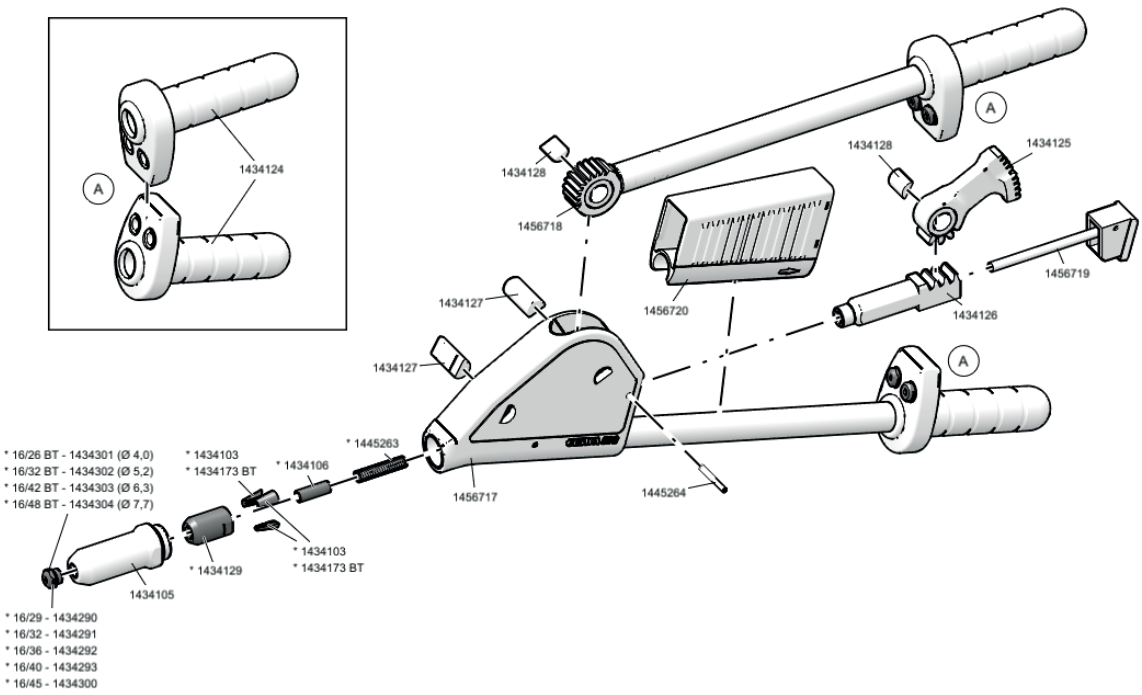
HN 2 / HN 2-BT *(only for Bulb-tite®)*

No. 143 4107 (HN 2)
No. 145 6714 (HN 2-BT)

No.	
143 4103*	Jaws (3-part) per set
143 4105	Head
143 4106	Jaw pusher
143 4124	Grip
143 4125	Transmission segment
143 4126	Gear rack
143 4127	Bolt
143 4128	Safety bolt
143 4129*	Jaw housing
143 4173*	Jaws BT
143 4290*	Nosepiece 16/29
143 4291*	Nosepiece 16/32
143 4292*	Nosepiece 16/36
143 4293*	Nosepiece 16/40
143 4300*	Nosepiece 16/45
143 4301*	Nosepiece for 4 mm Ø BULB-TITE® rivets
143 4302*	Nosepiece for 5.2 mm Ø BULB-TITE® rivets
143 4303*	Nosepiece for 6.3 mm Ø BULB-TITE® rivets
143 4304*	Nosepiece for 7.7 mm Ø BULB-TITE® rivets
144 5263*	Compression spring
144 5264	Cylinder pin
145 6717	Housing with, lever and grip
145 6718	Operating lever with pinion and grip
145 6719	End block with guide tube
145 6720	Spent mandrel container



*** Wearing parts**

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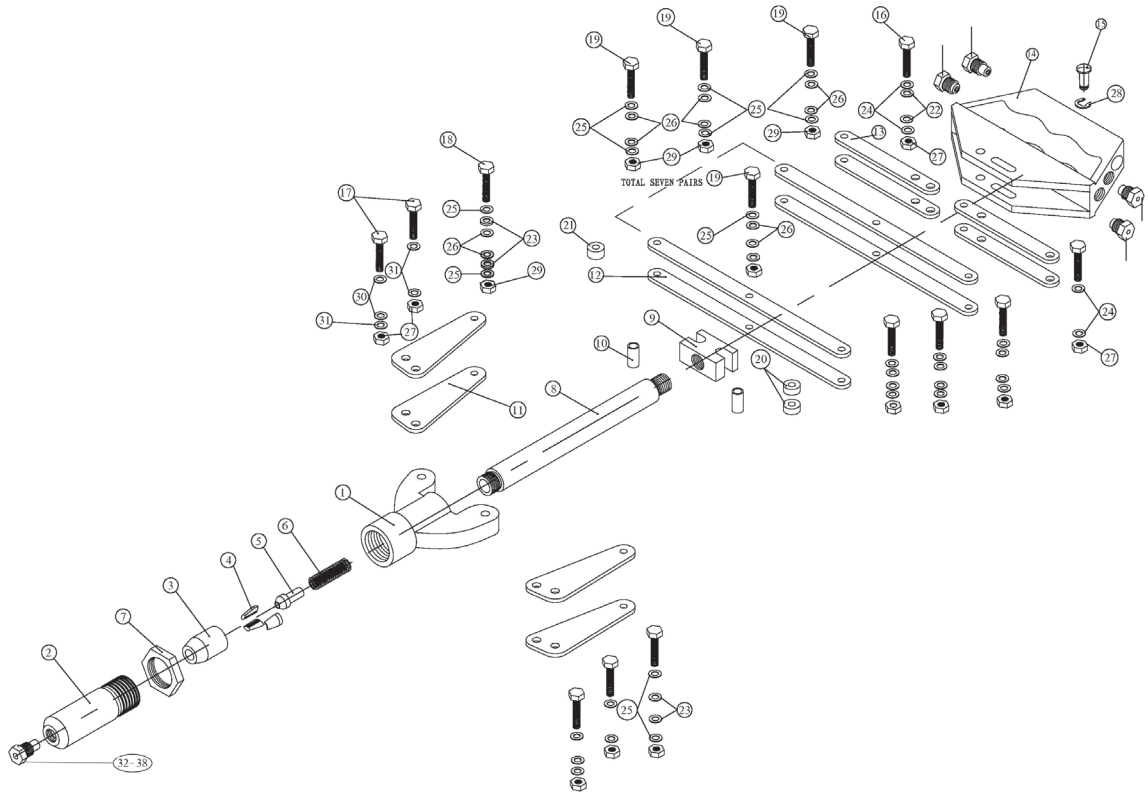
SN 2

No. 145 6674

	No.	
1	145 6687	Housing
2	145 6688	Head
3	145 6689	Jaw housing
4*	143 4958	Jaws (3-part)
5*	145 6690	Jaw pusher
6*	143 6161	Compression spring
7	145 6692	Locking nut
8	145 6693	Lock activator
10	145 6694	Sleeve, long
11	145 6695	Arm
12	145 6696	Lazy tongue segment, long
13	145 6697	Lazy tongue segment, short
14	145 6698	Grip
15	145 6699	Bolt
16	145 6700	Screw M6 x 37
17	145 6701	Screw M6 x 29
18	145 6702	Screw M5 x 29
19	145 6703	Screw M5 x 20.5

	No.	
20	145 6704	Outer sleeve
21	145 6705	Inner sleeve
22	145 6706	Washer 6 x 1.8
23	145 6707	Washer 5 x 1.8
24	145 6708	Washer 6 x 12 x 1.0
25	145 6709	Washer 5 x 0.9
26	145 6710	Washer 5 x 0.5
27	144 5262	Nut M6
28	145 0574	Snap ring
29	145 6711	Nut M5
30	145 6712	Washer 6 x 9 x 0.7
31	145 6713	Washer 6 x 0.5
32*	143 4955	Nosepiece 17/24
33*	143 4973	Nosepiece 17/27
34*	143 4974	Nosepiece 17/29
35*	143 4975	Nosepiece 17/32
36*	143 4977	Nosepiece 17/36
37*	143 4999	Nosepiece 17/40
38*	143 4860	Nosepiece 17/45



*** Wearing parts**

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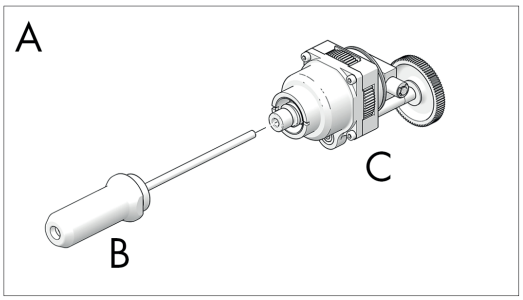

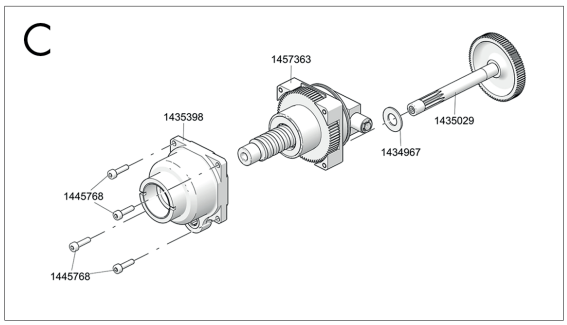

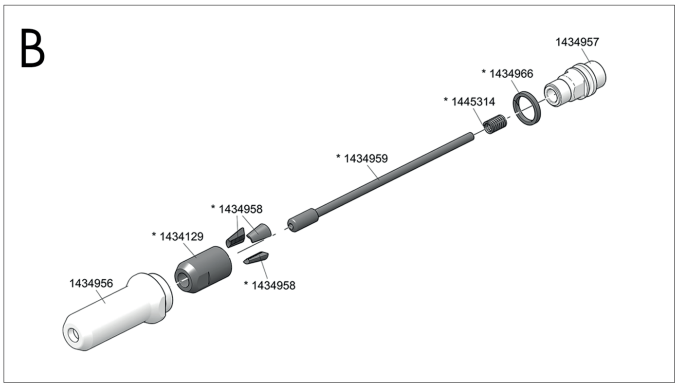

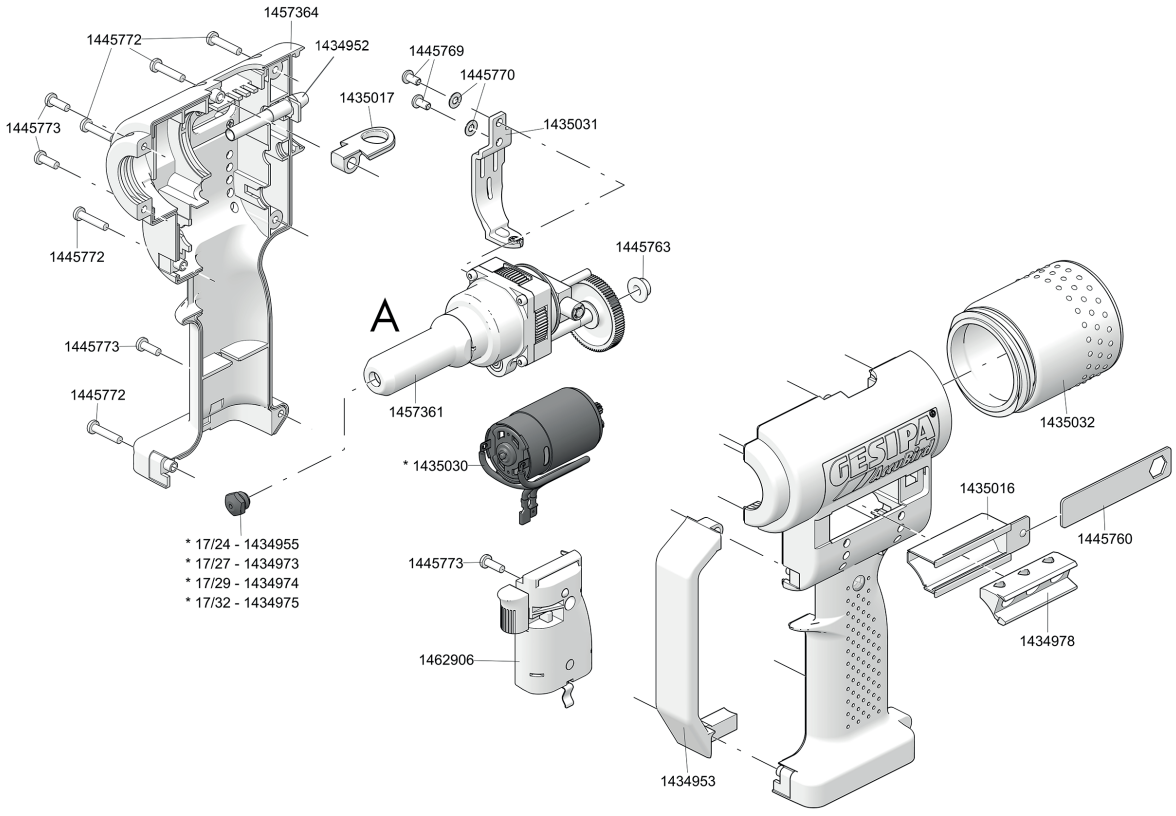

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* Wearing parts

No. 143 4898
No. 145 7235

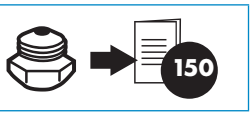
No. 145 7240
No. 145 7230

No.	
143 4129*	Jaw housing
143 4952	Plastic pipe
143 4953	Predection bracket
143 4955*	Nosepiece 17/24
143 4956	Head
143 4957	Adapter
143 4958*	Jaws (3-part)
143 4959*	Jaw Pusher
143 4966*	Wiper
143 4967	Stop disc
143 4973*	Nosepiece 17/27
143 4974*	Nosepiece 17/29
143 4975*	Nosepiece 17/32
143 4978	Magazine insert
143 5016	Nosepiece magazine
143 5017	Hanger
143 5398	Bearing, complete
143 5029	Pinion shaft, complete

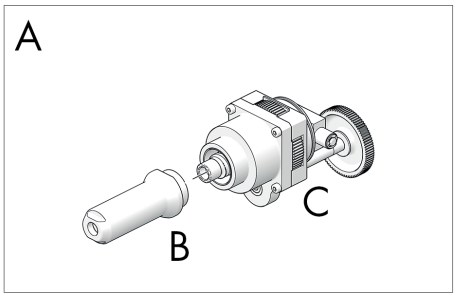
No.	
143 5030*	Motor, complete
143 5031	Magnetic holder, complete
143 5032	Spent mandrel container, complete
144 5314*	Compression spring
144 5760	Key
144 5763	Sintered-metal bushing
144 5768	Allen screw
144 5769	Magnetic holder screw
144 5770	Spring washer
144 5772	Housing screw, long
144 5773	Housing screw, short
145 7361	Drive, complete
145 7363	Sintered-metal bushing
145 7364	Housing
146 2906	E-control

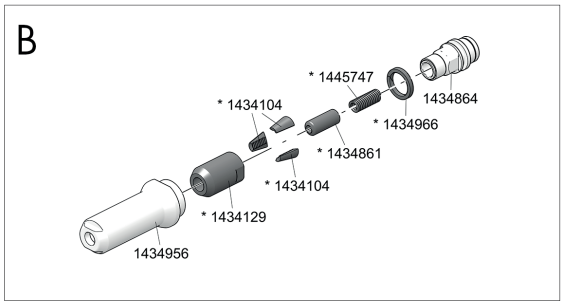
*** Wearing parts**

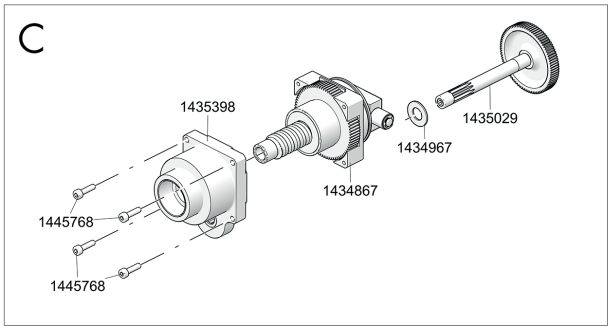
You will find spare part kits from page 403

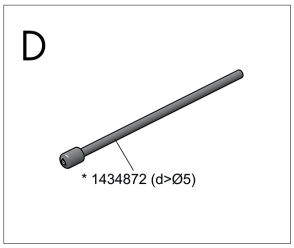


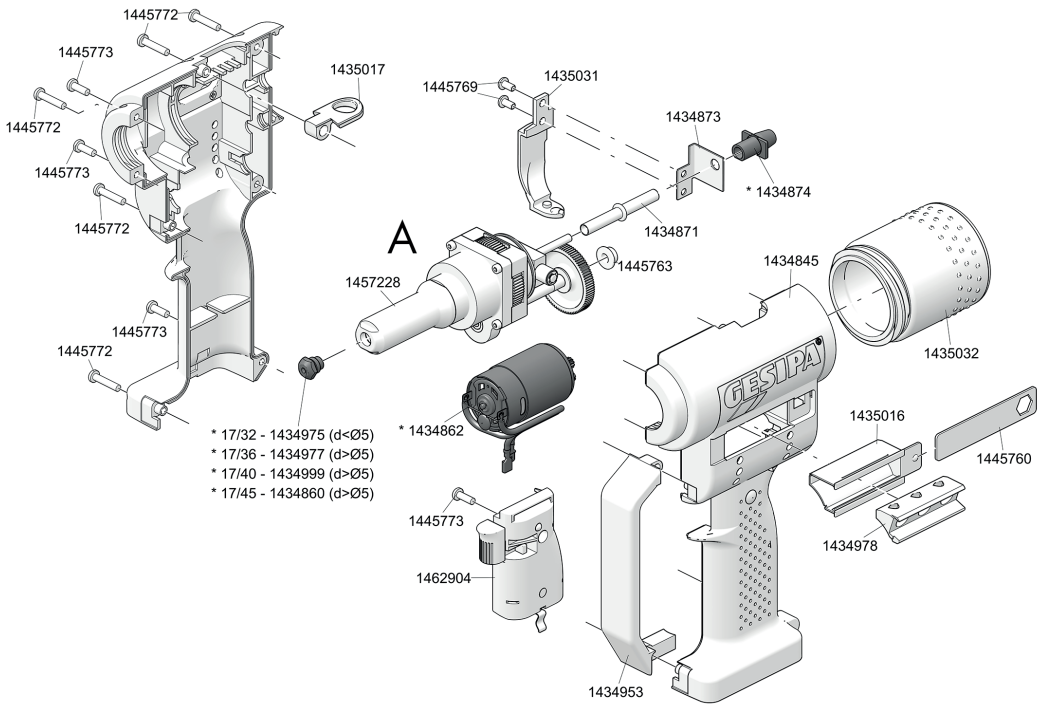
PowerBird® - Tool no longer available











* Wearing parts

150

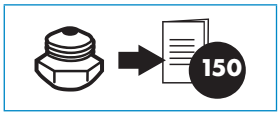
No. 145 7186
No. 145 7190

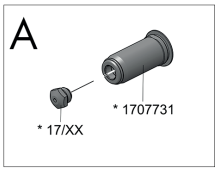
No.	
143 4104*	Jaws (3-part)
143 4129*	Jaw housing
143 4845	Housing, complete
143 4847	P tube short
143 4860*	Nosepiece 17/45
143 4861*	Jaw Pusher (for BN > Ø 5)
143 4862*	Motor complete
143 4864	Adapter
143 4867	Ball screw drive
143 4871	PB tube
143 4872*	Jaw Pusher
143 4873	Angle
143 4874*	P tube short
143 4953	Hoop guard
143 4956	Steel head sleeve
143 4966*	Wiper
143 4967	Stop disc
143 4975*	Nosepiece 17/32
143 4977*	Nosepiece 17/36
143 4978	Magazine insert

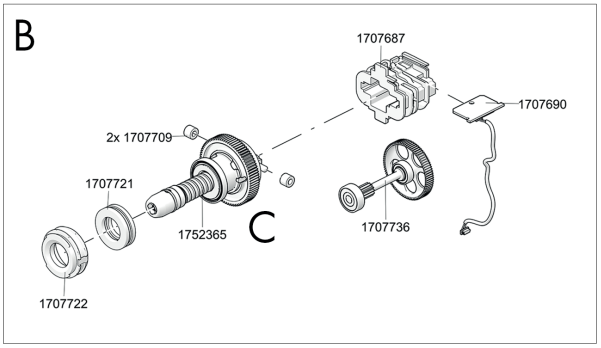
No.	
143 4999*	Nosepiece 17/40
143 5016	Nosepiece magazine
143 5017	Hanger
143 5398	Bearing, complete
143 5029	Pinion shaft
143 5031	Magnetic holder
143 5032	Spent mandrel container, complete
143 5034	Extension
144 5747*	Compression spring
144 5760	Key
144 5763	Sintered-metal bushing
144 5768	Intermediate screw
144 5769	Magnetic holder screw
144 5772	Housing screw long
144 5773	Housing screw short
144 5774	Hose complete
145 7228	Drive, complete
146 2904	E control
146 2907	Safety lubricating grease

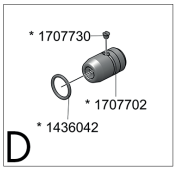
*** Wearing parts**

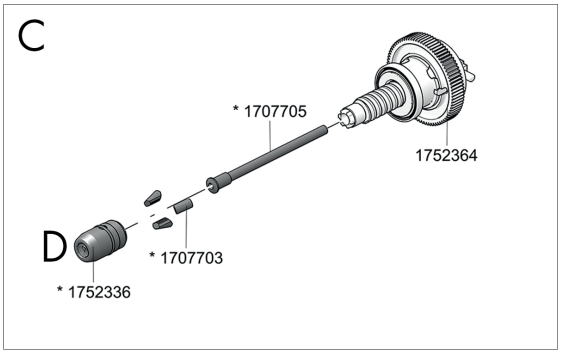
You will find spare part kits from page 403

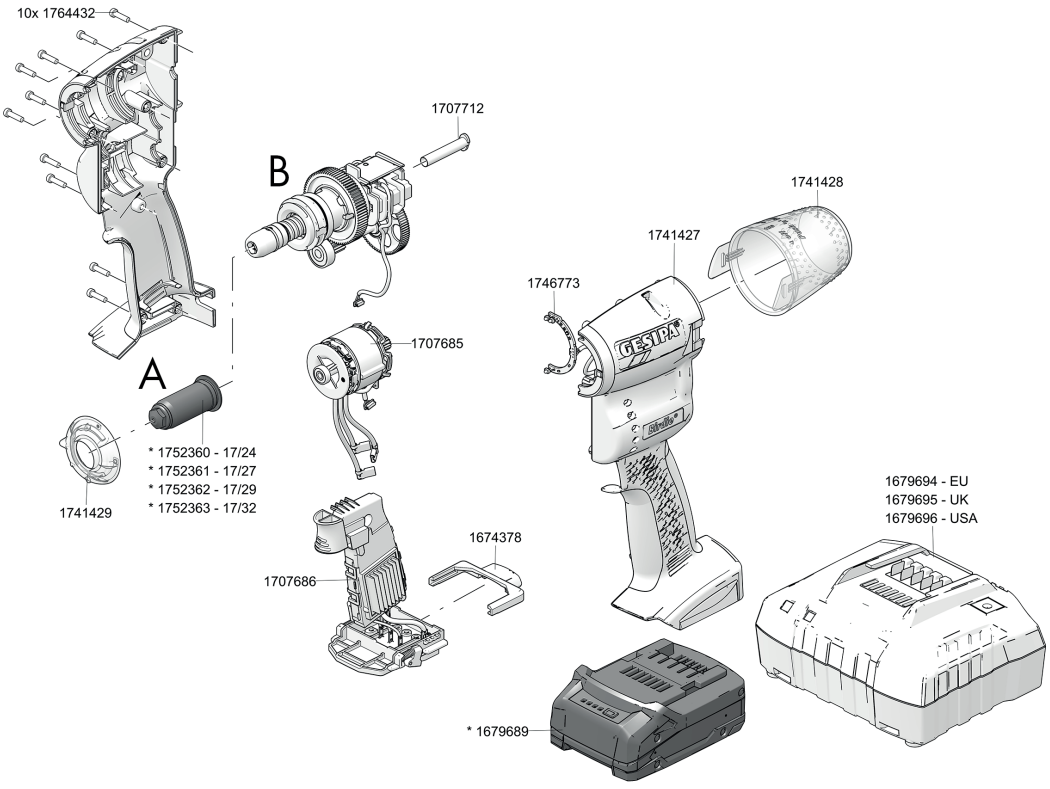












* Wearing parts

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No.	
143 6042	O ring
167 4378	Locking slider
167 9689*	Battery 2.0 Ah
167 9694	Charger EU
167 9695	Charger UK
167 9696	Charger USA
170 7685	Motor complete
170 7686	E control
170 7687	Cage
170 7690	Plate
170 7702*	Jaw housing
170 7703*	Jaw
170 7705*	Jaw pusher
170 7709	Sintered metal roller
170 7712	Exhaust pipe
170 7721	Axial groove ball bearing
170 7722	Housing

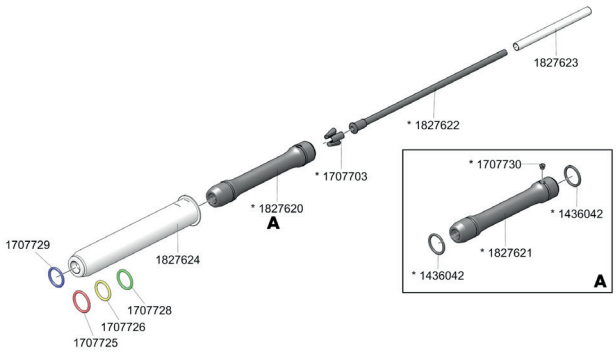
No.	
170 7730*	Retainer
170 7731*	Setting sleeve
170 7736	Intermediate shaft
174 1427	Housing complete
174 1428	Spent mandrel container
174 1429	Light ring
174 6773	Plate light ring
175 2336*	Jaw Housing complete
175 2360*	Setting sleeve 17/24 complete
175 2361*	Setting sleeve 17/27 complete
175 2362*	Setting sleeve 17/29 complete
175 2363*	Setting sleeve 17/32 complete
175 2364	Ball screw drive complete
175 2365	Drive unit complete
176 4432	Screw
178 8776*	**Spare part kit Birdie®** - 170 7731 Setting sleeve - 170 7703 Jaws - 170 7705 Jaw pusher

*** Wearing parts**

Conversion kit extended setting sleeve Birdie®

No. 182 7619

No.	
1436042*	O ring
1707703*	Jaws (3 parts)
1707725	O ring red
1707726	O ring yellow
1707728	O ring green
1707729	O ring blue
1707730*	Barrier
1827620*	Jaw housing complete
1827621*	Jaw housing
1827622*	Jaw pusher
1827623	Compression tube
1827624	Setting sleeve



*** Wearing parts**

You will find spare part kits from page 403

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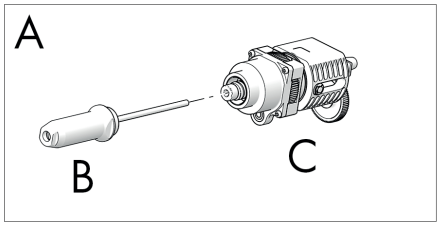
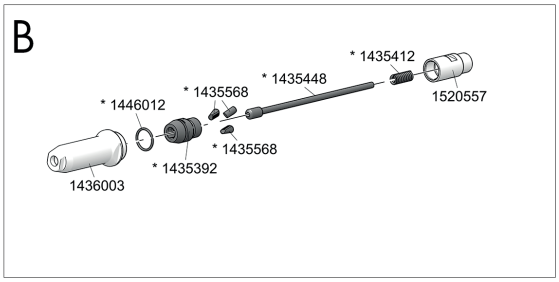
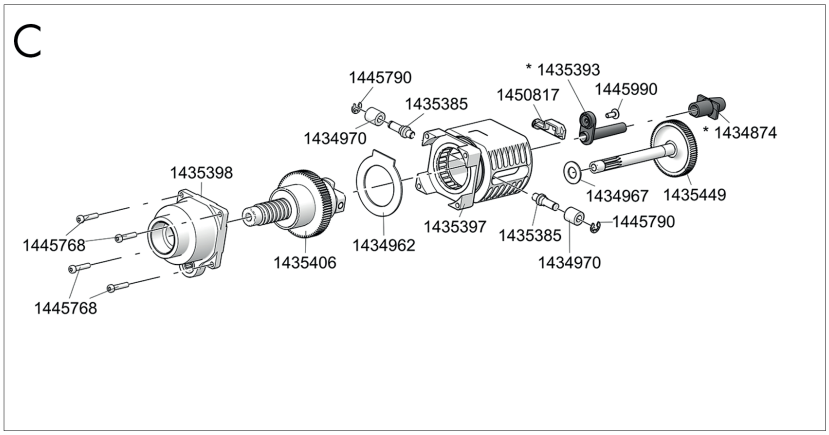
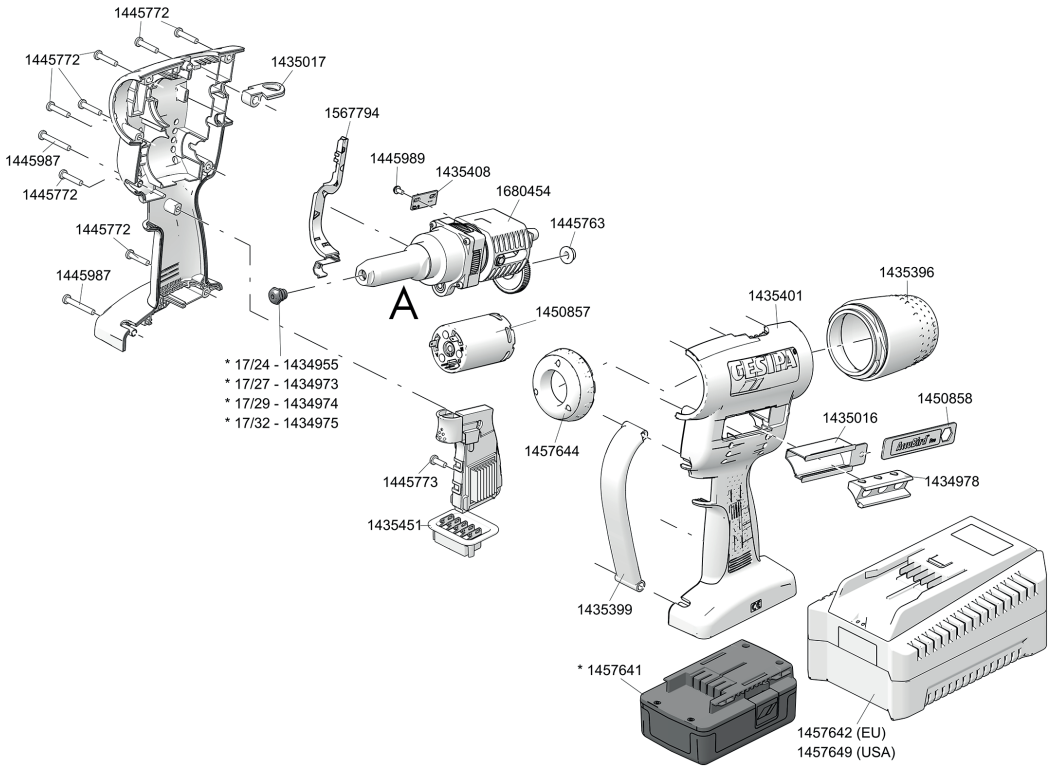








150

* Wearing parts

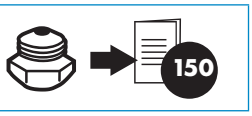
No. 143 5447
No. 143 2365

No.	
143 4874*	Tube
143 4955*	Nosepiece 17/24
143 4962	Washer
143 4967	Washer
143 4970	Sintered metal roller
143 4973*	Nosepiece 17/27
143 4974*	Nosepiece 17/29
143 4975*	Nosepiece 17/32
143 4978	Magazine insert
143 5016	Nosepiece magazine
143 5017	Hanger
143 5385	Pin
143 5392*	Jaw housing
143 5393*	Channel tube
143 5396	Spent mandrel container, complete
143 5397	Bearing cage, complete
143 5398	Bearing, complete
143 5399	Tool bar
143 5401	Housing, complete
143 5406	Ball screw drive
143 5408	Plate
143 5412	Spring
143 5448*	Jaw pusher

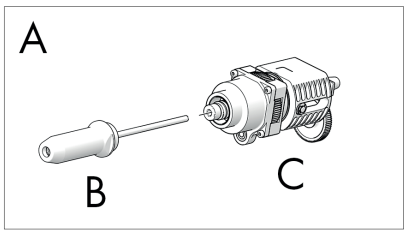
No.	
143 5449	Pinion shaft
143 5451	Control
143 5568*	Jaws (3-part)
143 6003	Steel head sleeve
144 5763	Sintered-metal bushing
144 5772	Screw, long
144 5773	Screw, short
144 5790	Lock washer
144 5987	Screw
144 5768	Screw
144 5989	Screw
144 5990	Screw
144 6012*	O ring
145 0817	Magnet
145 0857	Motor, complete
145 0858	Key AccuBird® Pro complete
145 7641*	Battery - while stocks last
145 7642	Charger (EU) - while stocks last
145 7644	Light, complete
145 7649	Charger (USA) - while stocks last
152 0557	Adapter
156 7794	Cable duct
168 0454	Drive unit, complete

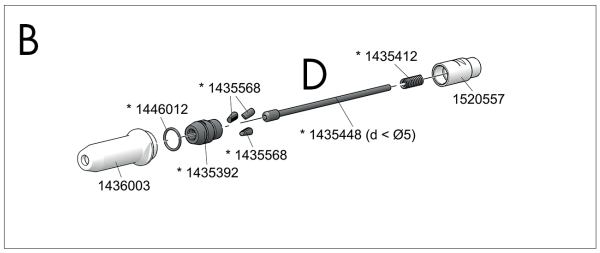
*** Wearing parts**

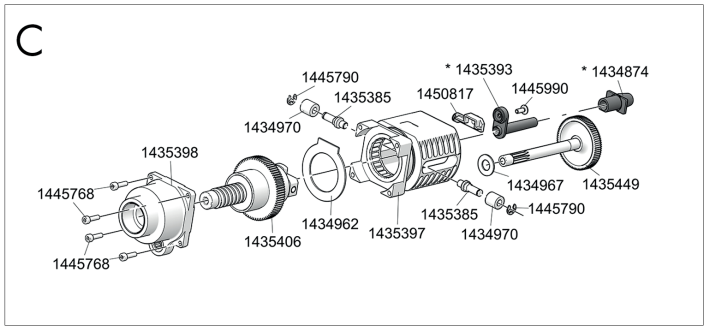
You will find spare part kits from page 403

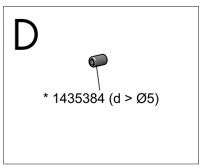


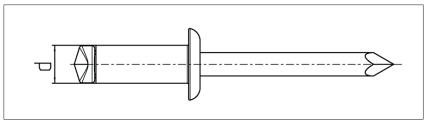
AccuBird® Pro CAS - from may 2021

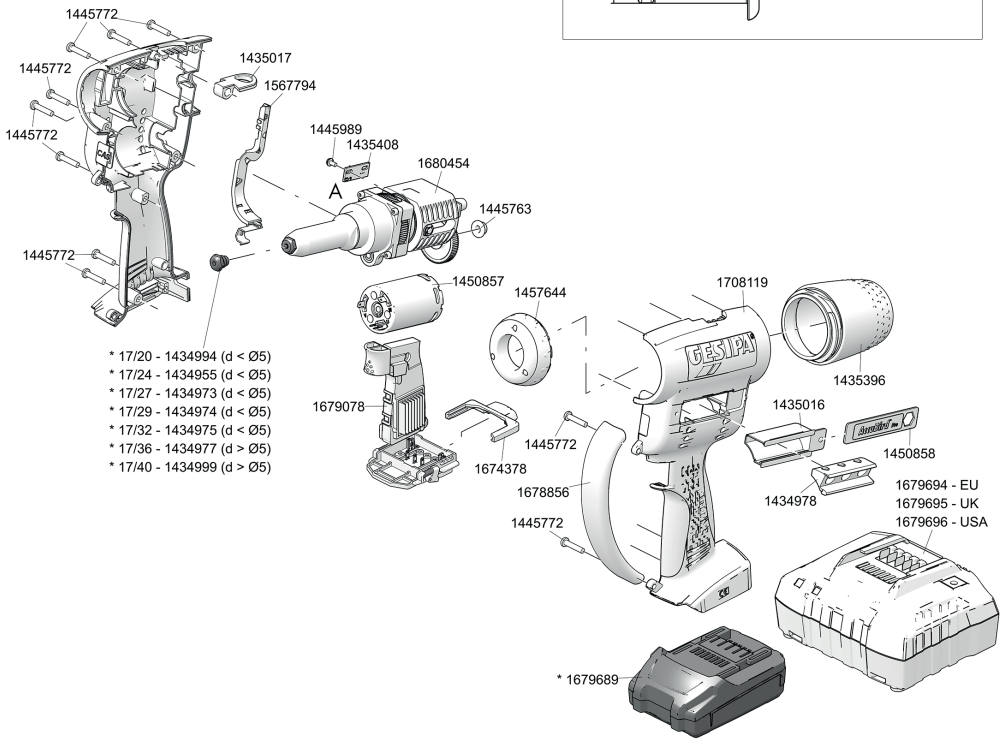












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* Wearing parts

No.	
1435384	Jaw pusher (d > Ø5)
1679694	Charger EU
1679695	Charger UK
1679696	Charger USA
143 4874*	Tube short
143 4955*	Nosepiece 17/24
143 4962	Washer
143 4967	Washer
143 4970	Sintered metal roller
143 4973*	Nosepiece 17/27
143 4974*	Nosepiece 17/29
143 4975*	Nosepiece 17/32
143 4978	Magazine insert
143 5016	Nosepiece magazine
143 5017	Hanger
143 5385	Pin
143 5392*	Jaw Housing
143 5393*	Channel tube
143 5396	Spent mandrel container, complete
143 5397	Bearing cage, complete
143 5398	Bearing, complete
143 5406	Ball screw drive
143 5408	Plate
143 5412	Spring

No.	
143 5448*	Jaw pusher
143 5449	Pinion shaft
143 5568*	jaws (3 parts)
143 6003	Steel head sleeve
144 5763	Sintered-metal bushing
144 5768	Screw
144 5772	Screw long
144 5790	Lock washer
144 5989	Screw
144 5990	Screw
144 6012*	O ring
145 0817	Magnet
145 0857	Motor complete
145 0858	Key AccuBird® Pro complete
145 7644	Light, complete
152 0557	Adapter
156 7794	Cable duct
167 4378	Locking slider
167 8856	Tool bar
167 9078	E control
167 9689*	Battery 2.0 Ah
168 0454	Drive unit
170 8119	Housing

*** Wearing parts**

You will find spare part kits from page 403

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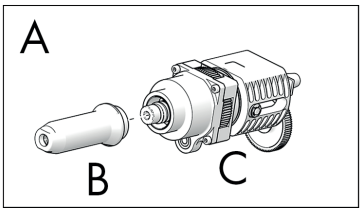
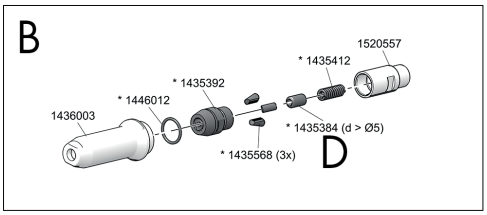
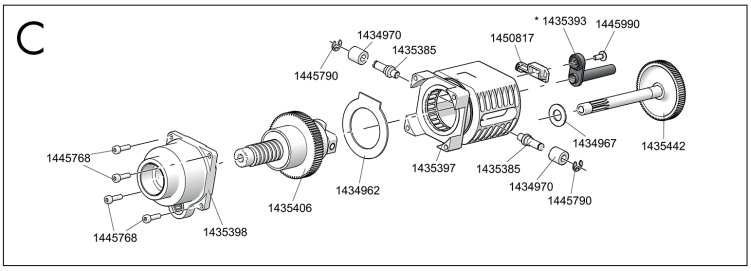
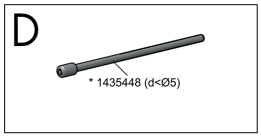
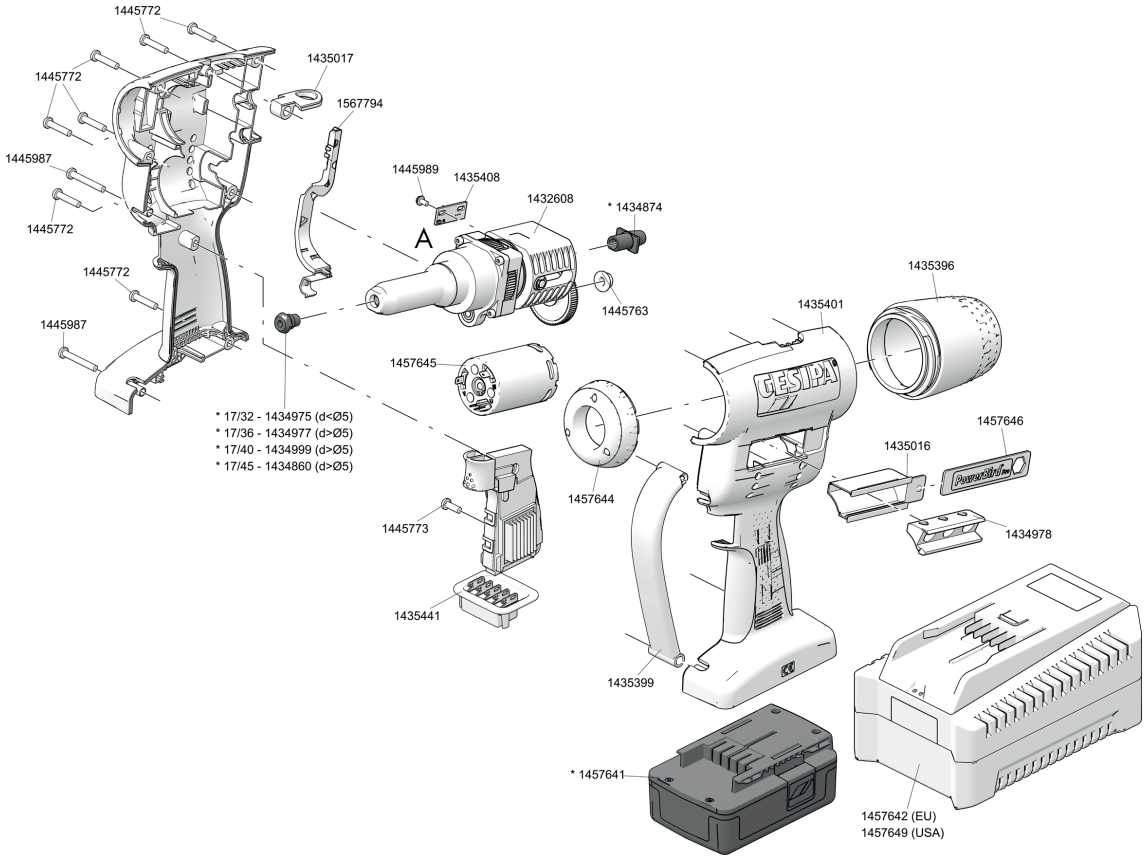
PowerBird® Pro - *Tool no longer available*











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*** Wearing parts**

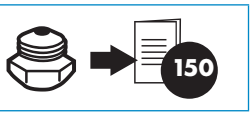
No. 145 0810
No. 145 0814

No.	
143 4860*	Nosepiece 17/45
143 4874*	Tube short
143 4962	Washer
143 4967	Washer
143 4970	Sintered metal roller
143 4975*	Nosepiece 17/32
143 4977*	Nosepiece 17/36
143 4978	Magazine insert
143 4999*	Nosepiece 17/40
143 5016	Nosepiece magazine
143 5381	E control
143 5384*	Jaw pusher (for BN > Ø 5)
143 5385	Pin
143 5392*	Jaw housing
143 5393*	Channel tube
143 5395	Pinion shaft Pro Gold Edition
143 5396	Spent mandrel container, complete
143 5397	Bearing cage, complete
143 5398	Bearing, complete
143 5399	Tool bar
143 5401	Housing complete
143 5406	Ball screw drive
143 5408	Hallplate

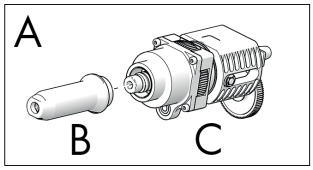
No.	
143 5412*	Compression spring
143 5448*	Jaw pusher (for BN < Ø 5)
143 5568*	Jaws (3 parts)
143 6003	Steel head sleeve
144 5746	Hanger Pro Gold Edition
144 5763	Sintered-metal bushing
144 5768	Screw
144 5772	Screw long
144 5773	Screw short
144 5790	Lock washer
144 5987	Screw
144 5989	Screw
144 5990	Screw
144 6012*	O ring
145 0817	Magnetic holder
145 7641*	Battery - while stocks last
145 7642	Charger (EU) - while stocks last
145 7643	Drive unit Pro GE complete
145 7644	Light, complete
145 7645	Motor complete Pro Gold Edition
145 7646	Key PowerBird® Pro complete
145 7649	Charger (USA) - while stocks last
152 0557	Adapter
156 7794	Cable duct

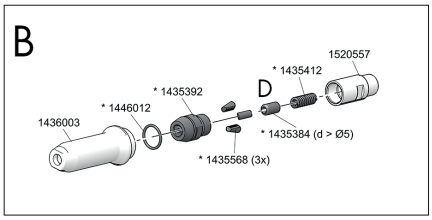
*** Wearing parts**

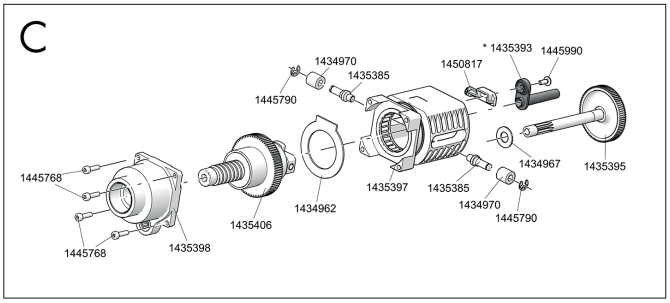
You will find spare part kits from page 403

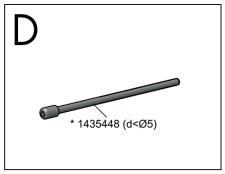


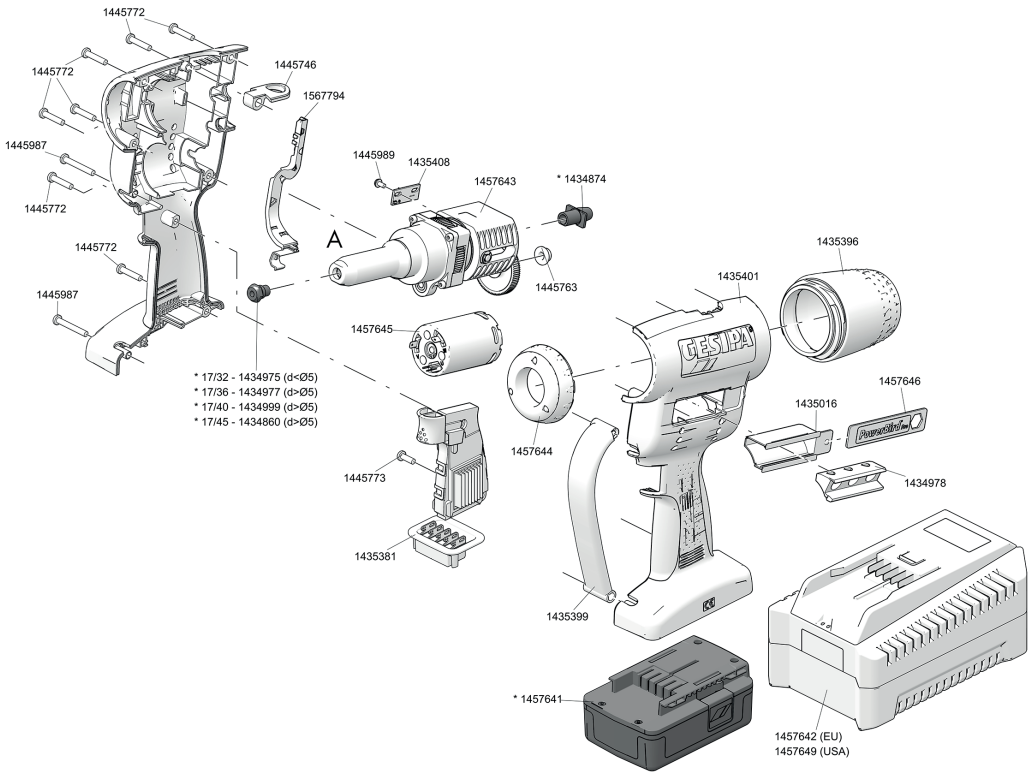
PowerBird® Pro Gold Edition - until april 2021











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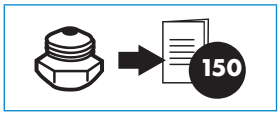
*** Wearing parts**

No. 145 7636
No. 145 7640

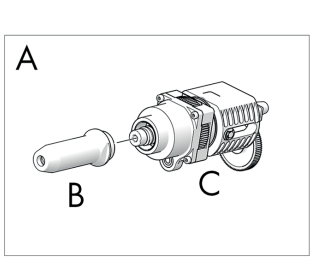
No.	
143 4874*	Tube short
143 4962	Washer
143 4967	Washer
143 4970	Sintered metal roller
143 4975*	Nosepiece 17/32
143 4977*	Nosepiece 17/36
143 4999*	Nosepiece 17/40
143 4860*	Nosepiece 17/45
143 4978	Magazine insert
143 5016	Nosepiece magazine
143 5381	E control
143 5384*	Jaw pusher (for BN > Ø 5)
143 5385	Pin
143 5392*	Jaw housing
143 5393*	Channel tube
143 5395	Pinion shaft Pro Gold Edition
143 5396	Spent mandrel container
143 5397	Bearing cage
143 5398	Bearing, complete
143 5399	Tool bar
143 5401	Housing, complete
143 5406	Ball screw drive
143 5408	Hall plate
143 5412*	Compression spring

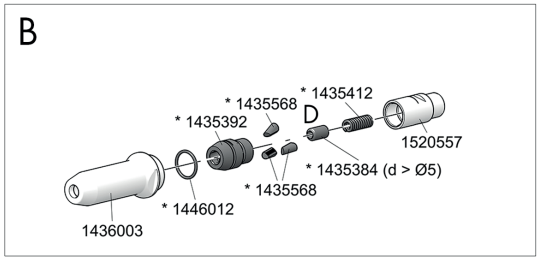
No.	
143 5448*	Jaw pusher (for BN < Ø 5)
143 5568*	Jaws (3 parts)
143 6003	Steel head sleeve
144 5746	Hanger Pro Gold Edition
144 5763	Sintered-metal bushing
144 5768	Screw
144 5772	Screw long
144 5773	Screw short
144 5790	Lock washer
144 5987	Screw
144 5989	Screw
144 5990	Screw
144 6012*	O ring
145 0817	Magnetic holder, complete
145 7641*	Battery - while stocks last
145 7642	Charger (EU) - while stocks last
145 7643	Drive unit Pro GE complete
145 7644	Light, complete
145 7645	Motor complete Pro Gold Edition
145 7646	Key PowerBird® Pro complete
145 7649	Charger (USA) - while stocks last
152 0557	Adapter
156 7794	Cable duct

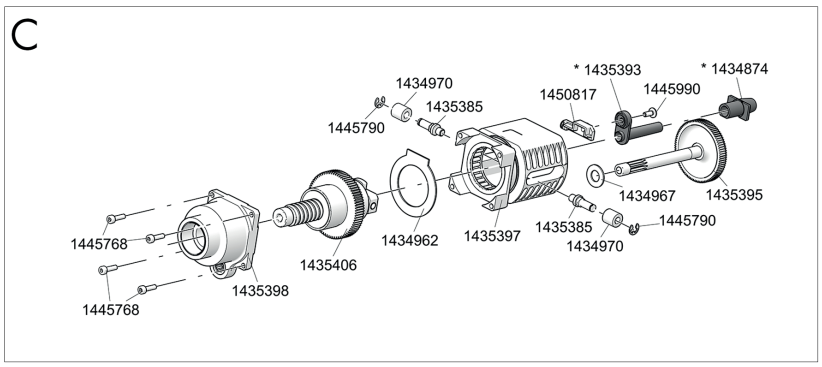
*** Wearing parts**

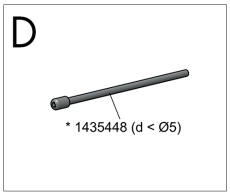


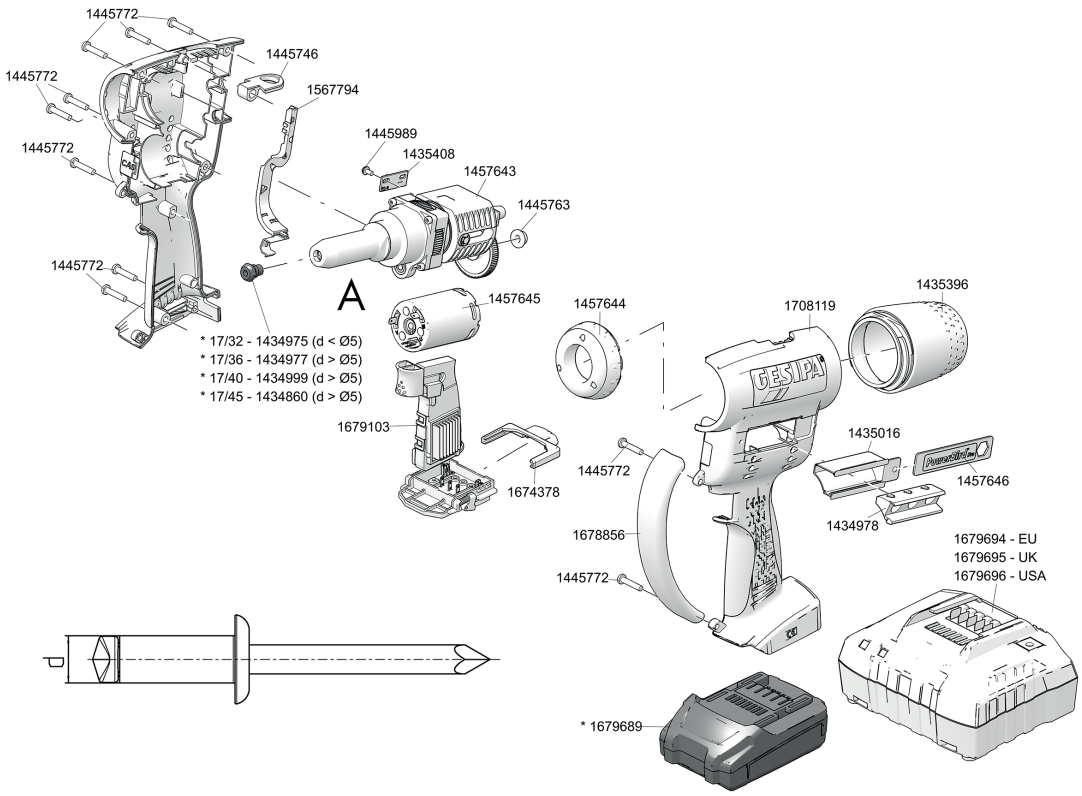
PowerBird® Pro Gold Edition CAS - from may 2021











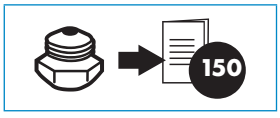
150

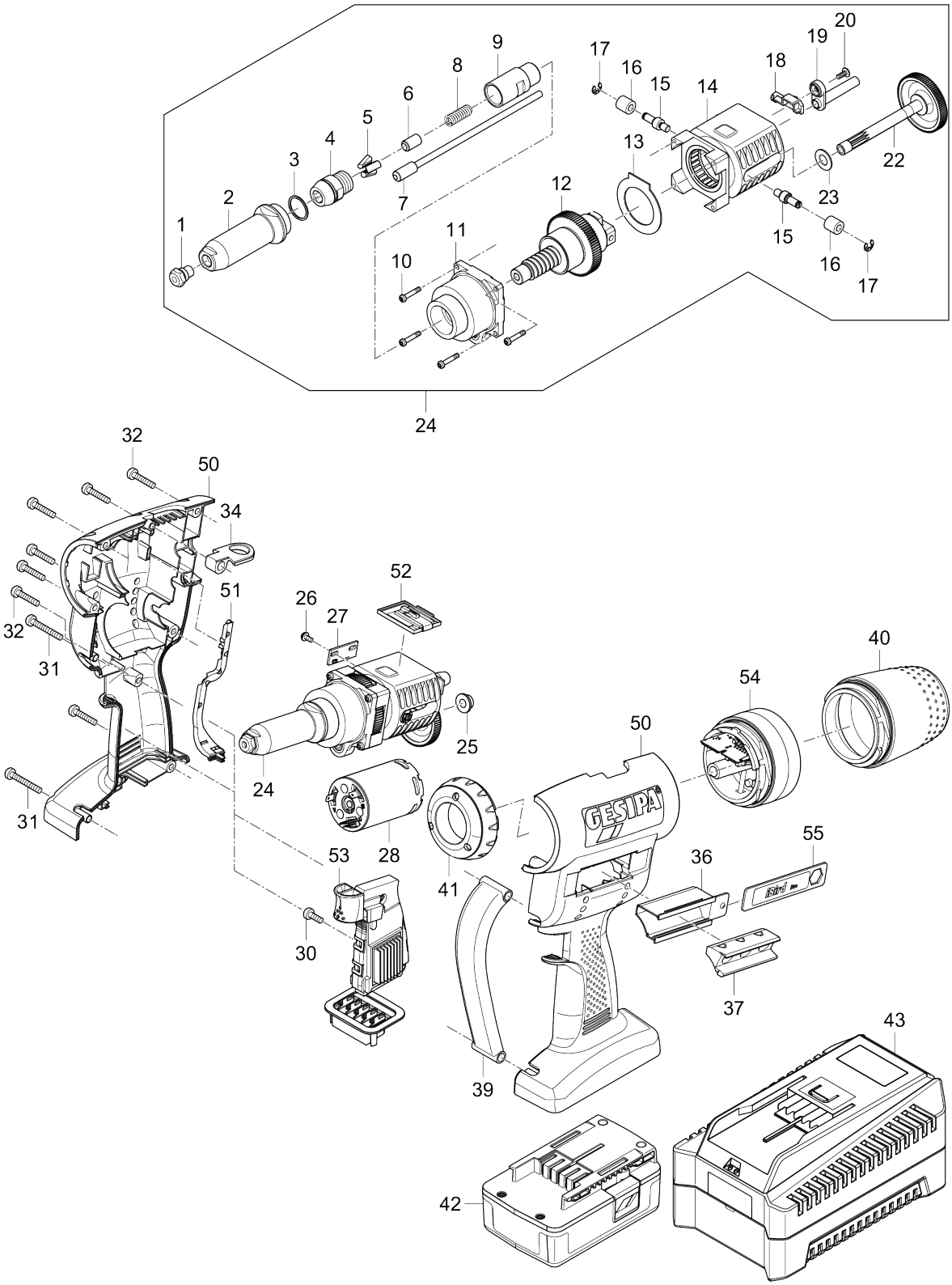
* Wearing parts

No.	
143 4860*	Nosepiece 17/45
143 4874*	Tube short
143 4962	Washer
143 4967	Washer
143 4970	Sintered metal roller
143 4975*	Nosepiece 17/32
143 4977*	Nosepiece 17/36
143 4978	Magazine insert
143 4999*	Nosepiece 17/40
143 5016	Nosepiece magazine
143 5384*	Jaw pusher (for BN > Ø 5)
143 5385	Pin
143 5392*	Jaw housing
143 5393*	Channel tube
143 5395	Pinion shaft Pro Gold Edition
143 5396	Spent mandrel container
143 5397	Bearing cage, complete
143 5398	Bearing, complete
143 5406	Ball screw drive
143 5408	Hall plate
143 5412*	Compression spring
143 5448*	Jaw pusher (for BN < Ø 5)

No.	
143 5568*	Jaws (3 parts)
143 6003	Steel head sleeve
144 5746	Hanger Pro Gold Edition
144 5763	Sintered metal bushing
144 5768	Screw
144 5772	Screw long
144 5790	Lock washer
144 5989	Screw
144 5990	Screw
144 6012*	O ring
145 0817	Magnetic holder, complete
145 7643	Drive unit Pro GE complete
145 7644	Light complete
145 7645	Motor
145 7646	Key PowerBird® Pro complete
152 0557	Adapter
156 7794	Cable duct
167 4378	Locking slider
167 8856	Tool bar
167 9103	E control
167 9689	Battery 2.0 Ah
170 8119	Housing

*** Wearing parts**





* Wearing parts

150

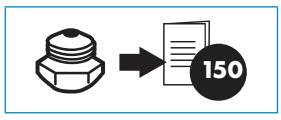
No. 156 7800
No. 156 7801

	No.	
1 *	143 4975	Nosepiece 17/32
	143 4977	Nosepiece 17/36
	143 4999	Nosepiece 17/40
	143 4860	Nosepiece 17/45
2	143 6003	Steel head sleee
3 *	144 6012	O ring
4 *	143 5392	Jaw housing
5 *	143 5568	Jaws (3 parts)
6 *	143 5384	Jaw pusher (for BN > Ø 5)
7 *	143 5448	Jaw pusher (for BN < Ø 5)
8 *	143 5412	Spring
9	152 0557	Adapter
10	144 5768	Screw
11	143 5398	Bearing, complete
12	143 5406	Ball screw drive
13	143 4962	Washer
14	143 5397	Bearing cage
15	143 5385	Pin
16	143 4970	Sintered metal roller
17	144 5790	Lock washer
18	145 0817	Magnetic holder
19 *	143 5393	Channel tube
20	144 5990	Screw
21 *	143 4874	Tube short
22	143 5442	Pinion shaft
	143 5395	Pinion shaft Pro Gold Edition
23	143 4967	Washer

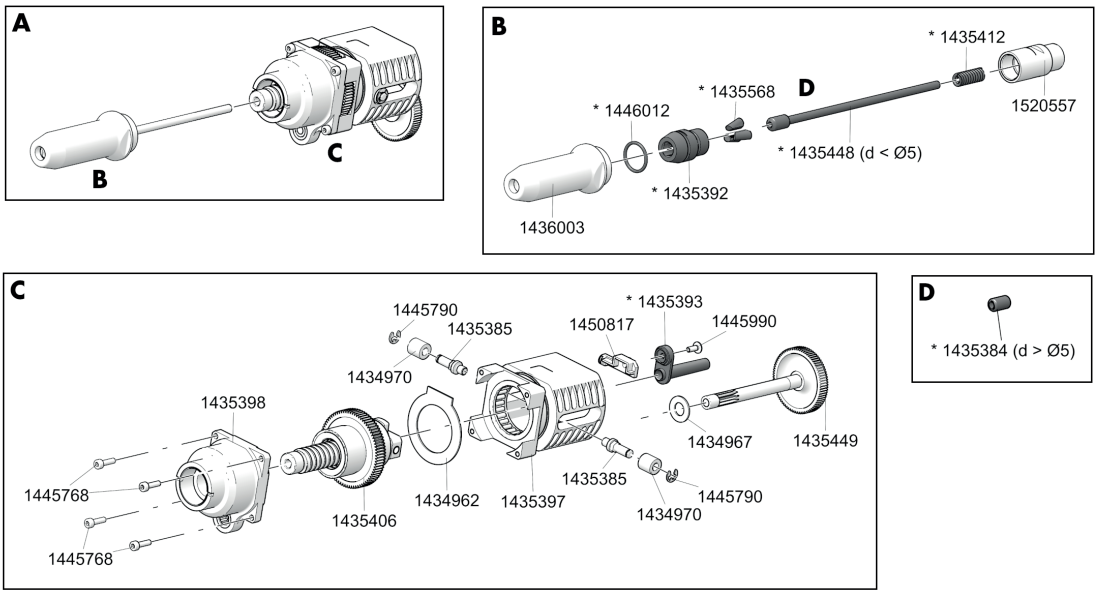
	No.	
24	143 2608	Drive unit Pro complete
	145 7643	Drive unit Pro GE complete
25	144 5763	Sintered metal bushing
26	144 5989	Screw
27	143 5408	Plate
28	146 3584	Motor complete Pro
	145 7645	Motor complete Pro Gold Edition
30	144 5773	Screw short
31	144 5987	Screw
32	144 5772	Screw long
34	143 5416	Hanger Pro
	144 5746	Hanger Pro Gold Edition
36	143 5016	Nosepiece magazine
37	143 4978	Magazine insert
39	143 5399	Tool bar
40	143 5396	Spent mandrel container complete
41	145 7644	Light complete
42 *	145 7641	Battey - while stocks last
43	145 7642	Charger (EU) - while stocks last
	145 7649	Charger (USA) - while stocks last
50	156 7795	Housing complete
51	156 7794	Cable duct
52	156 7799	NFC module
54**	-	iBird electronic complete
55	174 4259	Key iBird® Pro complete

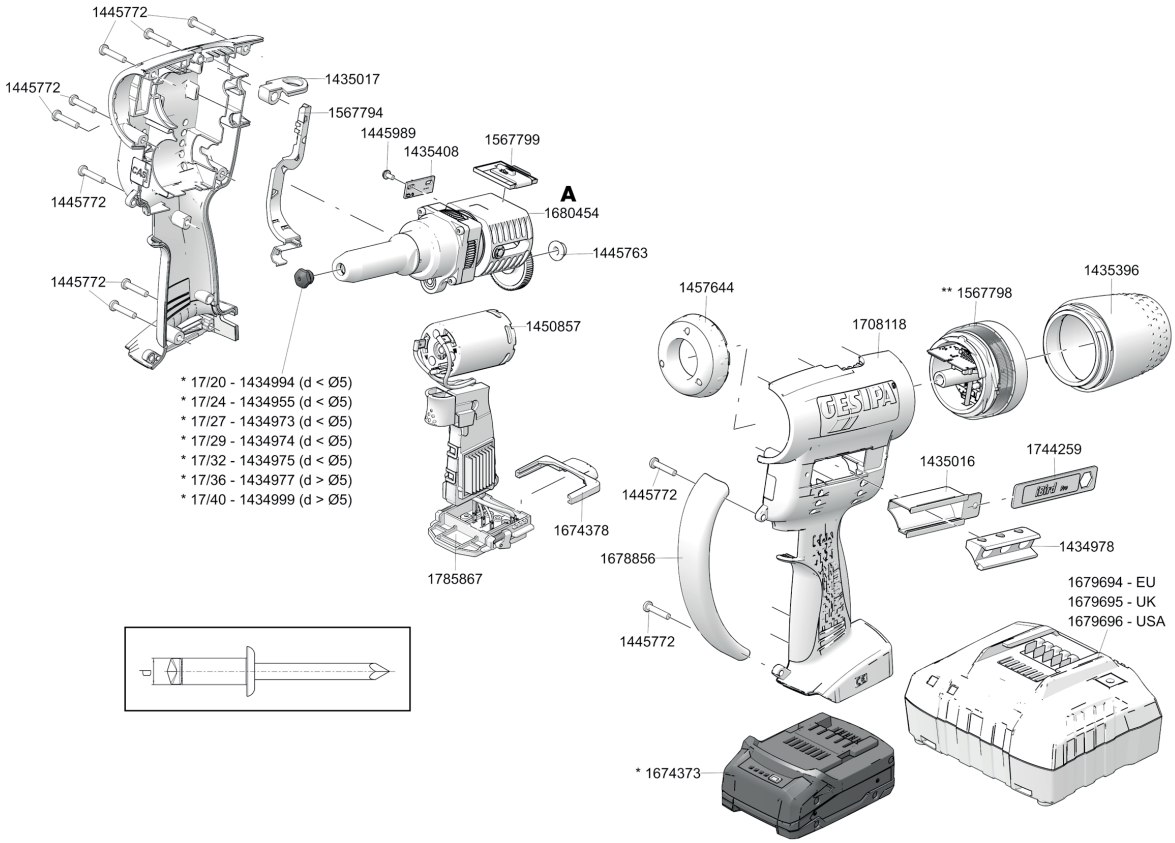
*** Wearing parts**

** Exchange only by GESIPA®



iBird® Pro CAS





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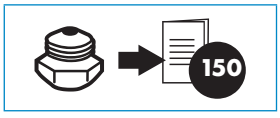
*** Wearing parts**

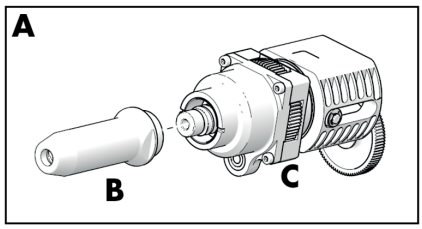
No.	
*1434955	Nosepiece 17/24
1434962	Washer
1434967	Washer
1434970	Sintered metal roller
*1434973	Nosepiece 17/27
*1434974	Nosepiece 17/29
*1434975	Nosepiece 17/32
*1434977	Nosepiece 17/36
*1434994	Nosepiece 17/20
*1434999	Nosepiece 17/40
1435016	Nosepiece magazine black for Bird
1435017	Hanger black for Bird
*1435384	Jaw pusher PB/GE Pro
1435385	Pin
*1435392	Jaw housing
*1435393	Channel tube
1435396	Spent mandrel container
1435398	Bearing
1435406	Ball screw drive
1435408	Hall plate
*1435412	Spring
*1435448	Jaw pusher
1435449	Pinion shaft
*1435568	Jaw
1436003	Steel head sleeve

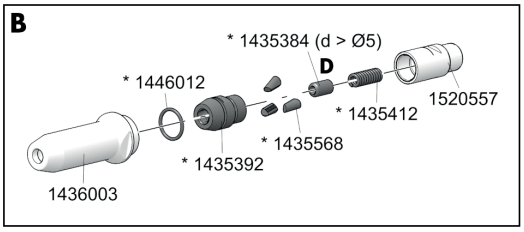
No.	
1445763	Sintered metal bushing
1445768	Screw
1445772	Housing screw
1445790	Lock washer
1445989	Screw
1445990	Screw
*1446012	O ring
1450817	Magnetic holder complete
1450857	Motor complete
1457644	Light
1520557	Adapter
1567794	Cable duct
**1567798	iBird module
1567799	NFC module
*1674373	Battery CAS 2.0 Ah
1674378	Locking slider
1678856	Tool bar BirdPro CAS
1679694	CAS Multi-Charger EU
1679695	CAS Multi-Charger UK
1679696	CAS Multi-Charger US
1680454	Drive unit
1708118	Housing iBird Pro C CAS
1744259	Key iBird Pro
1785867	E control

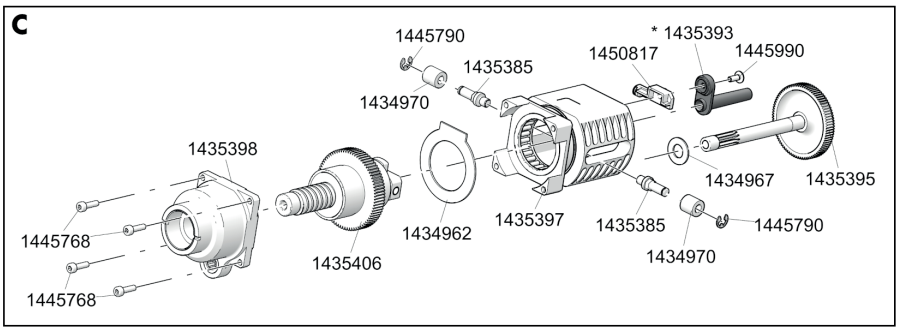
*** Wearing parts**
** Exchange only by GESIPA®

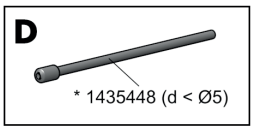


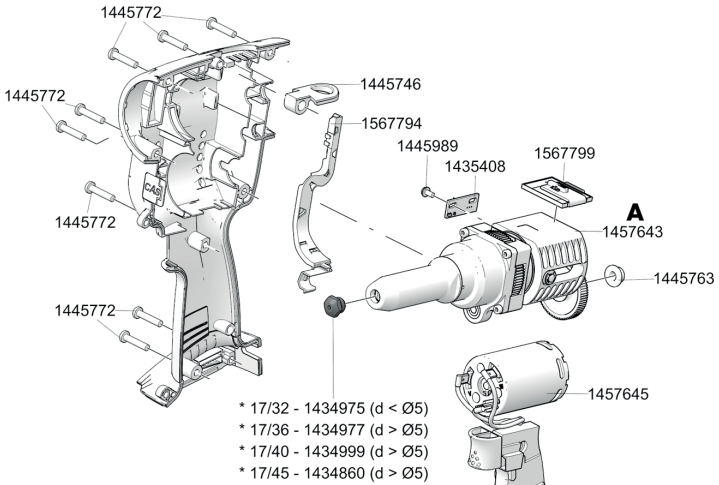
iBird® Pro GE CAS - from may 2021

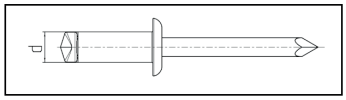


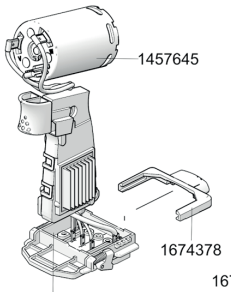


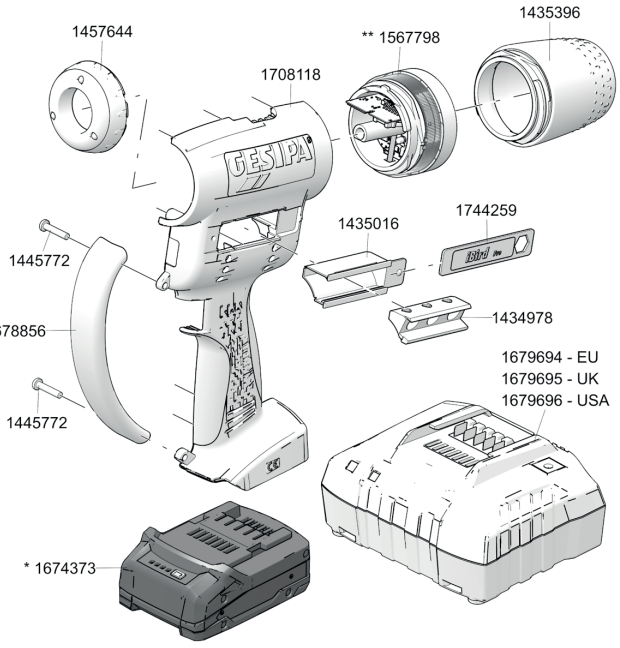












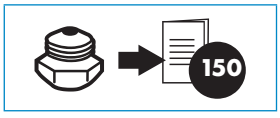
150

* Wearing parts

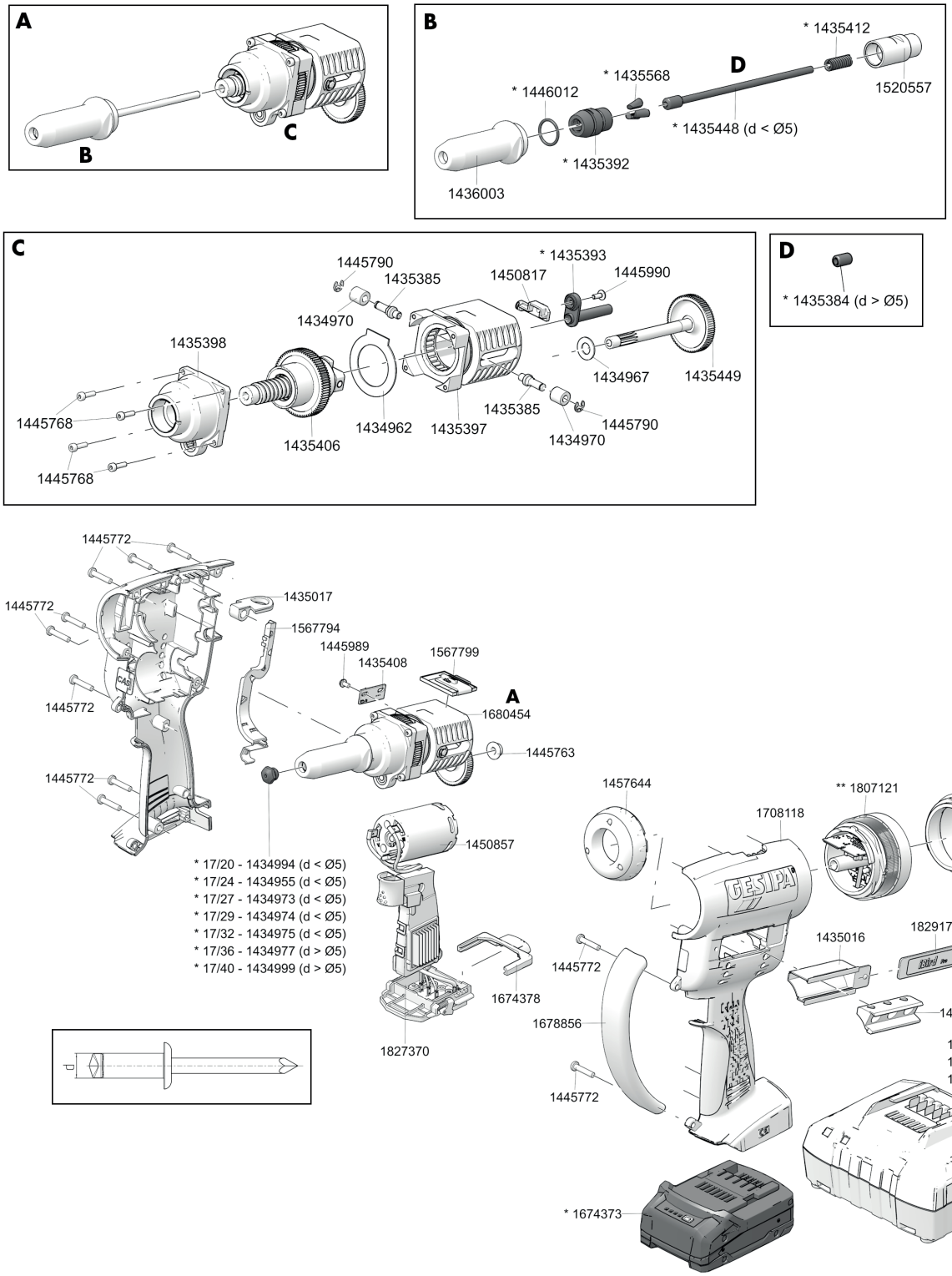
No.	
*1434860	Nosepiece 17/45
1434962	Washer
1434967	Washer
1434970	Sintered metal roller
*1434975	Nosepiece 17/32
*1434977	Nosepiece 17/36
1434978	Magazine insert
*1434999	Nosepiece 17/40
1435016	Nosepiece magazine black for Bird
*1435384	Jaw pusher
1435385	Pin
*1435392	Jaw housing
*1435393	Channel tube
1435395	Pinion shaft complete
1435396	Spent mandrel container complete
1435397	Bearing cage
1435398	Bearing
1435406	Ball screw drive
1435408	Hall plate
*1435412	Spring
*1435448	Jaw pusher
1435568	Jaw
1436003	Steel head sleeve
1445746	Hanger yellow

No.	
1445763	Sintered-metal bushing
1445768	Screw
1445772	Housing screw
1445790	Lock washer
1445989	Screw
1445990	Screw
*1446012	O ring
1450817	Magnetic holder complete
1457643	Drive unit
1457644	Light
1457645	Motor complete
*1520557	Adapter
1567794	Channel tube
**1567798	iBird module
1567799	NFC module
*1674373	Battery CAS 2.0 Ah
1674378	Locking slider
1678856	Tool bar Bird Pro CAS
1679101	E control
1679694	CAS Multi-Charger EU
1679695	CAS Multi-Charger UK
1679696	CAS Multi-Charger US
1708118	Housing iBird Pro C CAS
1744259	Key iBird Pro GE

*** Wearing parts**
** Exchange only by GESIPA®



iBird® Pro CL CAS



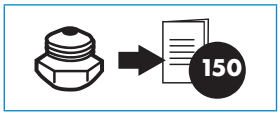
150

* Wearing parts

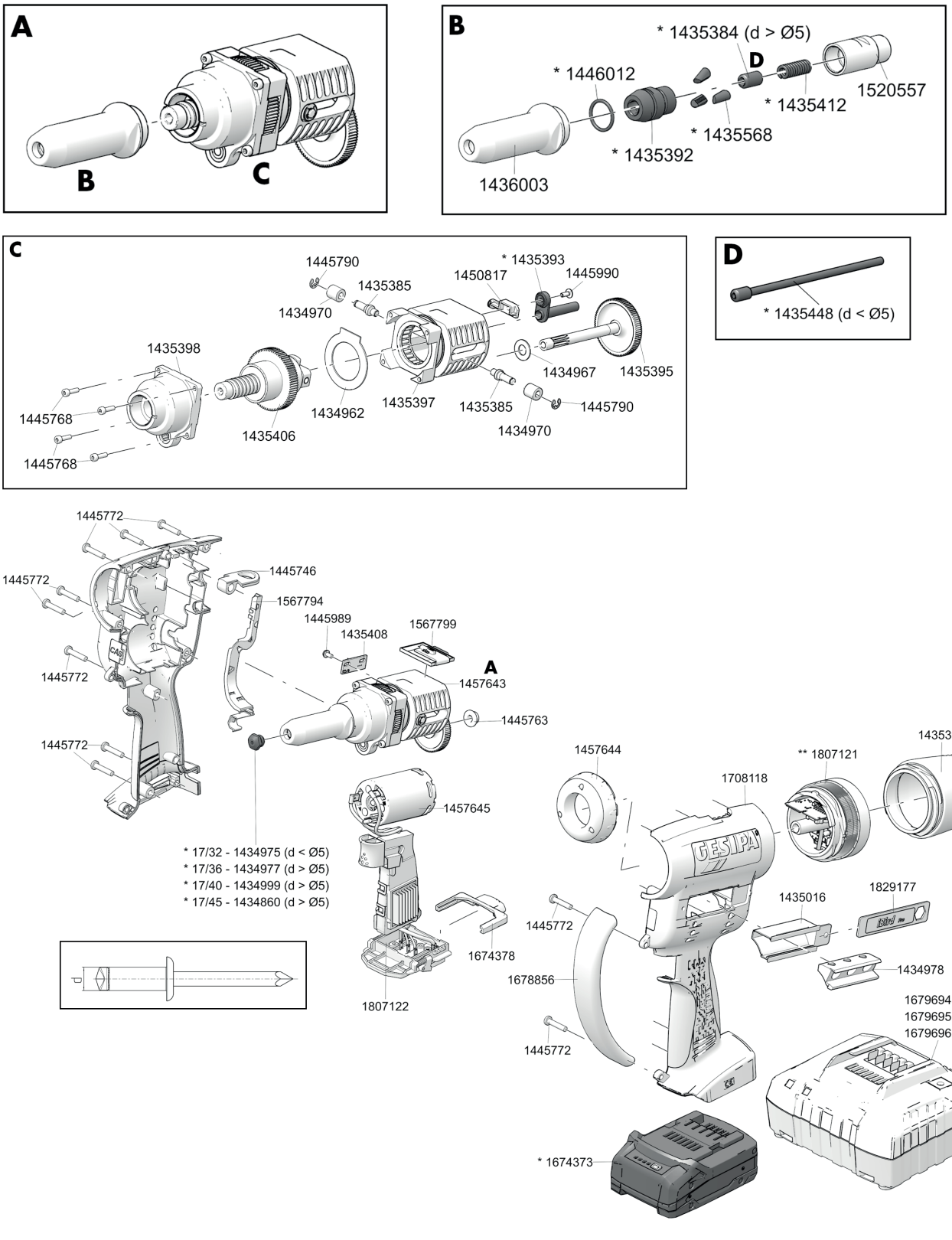
No.	
*1434955	Nosepiece 17/24
1434962	Washer
1434967	Washer
1434970	Sintered metal roller
*1434973	Nosepiece 17/27
*1434974	Nosepiece 17/29
*1434975	Nosepiece 17/32
*1434977	Nosepiece 17/36
1434978	Magazine insert
*1434994	Nosepiece 17/20
*1434999	Nosepiece 17/40
1435016	Nosepiece magazine black for Bird
1435017	Hanger black for Bird
*1435384	Jaw pusher PB/GE Pro
1435385	Pin
*1435392	Jaw housing
*1435393	Channel tube
1435396	Spent mandrel container complete
1435397	Bearing cage
1435398	Bearing
1435406	Ball screw drive
1435408	Hall plate
*1435412	Spring
*1435448	Jaw pusher
1435449	Pinion shaft
*1435568	Jaw

No.	
1436003	Steel head sleeve
1445763	Sintered metal bushing
1445768	Screw
1445772	Housing screw
1445790	Lock washer
1445989	Screw
1445990	Screw
*1446012	O ring
1450817	Magnetic holder complete
1450857	Motor complete
1457644	Light
1520557	Adapter
1567794	Cable duct
1567799	NFC module
*1674373	Battery CAS 2.0 Ah
1674378	Locking slider
1678856	Tool bar BirdPro CAS
1679694	CAS Multi-Charger EU
1679695	CAS Multi-Charger UK
1679696	CAS Multi-Charger US
1680454	Drive unit
1708118	Housing iBird Pro C CAS
**1807121	iBird module Pro CL
1827370	E control
1829177	Key iBird Pro CL

*** Wearing parts**
** Exchange only by GESIPA®



iBird® Pro CL GE CAS

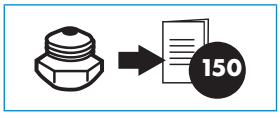


150

* Wearing parts

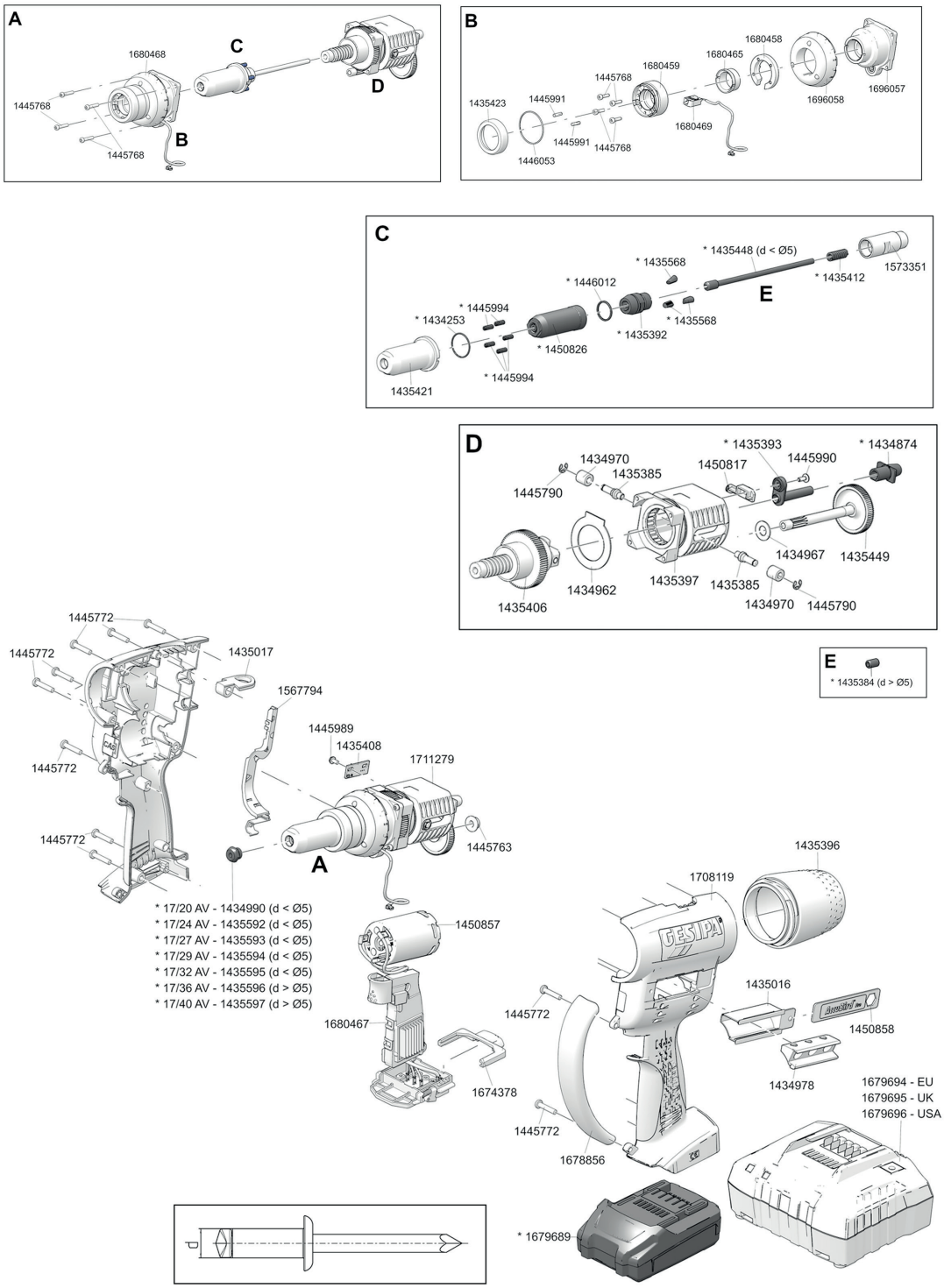
No.	
*1434860	Nosepiece 17/45
1434962	Washer
1434967	Washer
1434970	Sintered metal roller
*1434975	Nosepiece 17/32
*1434977	Nosepiece 17/36
1434978	Magazine insert
*1434999	Nosepiece 17/40
1435016	Nosepiece magazine black for Bird
*1435384	Jaw pusher
1435385	Pin
*1435392	Jaw housing
*1435393	Channel tube
1435395	Pinion shaft complete
1435396	Spent mamdrel container complete
1435397	Bearing cage
1435398	Bearing
1435406	Ball screw drive
1435408	Hall plate
*1435412	Compression spring
*1435448	Jaw pusher
*1435568	Jaw
1436003	Steel head sleeve
1445746	Hanger yellow

No.	
1445763	Sintered metal bushing
1445768	Screw
1445772	Housing screw
1445790	Lock washer
1445989	Screw
1445990	Screw
*1446012	O ring
1450817	Magnetic holder complete
1457643	Drive unit
1457644	Light
1457645	Motor complete
1520557	Adapter
1567794	Cable duct
1567799	NFC module
*1674373	Battery CAS 2.0 Ah
1674378	Locking slider
1678856	Tool bar BirdPro CAS
1679694	CAS Multi-Charger EU
1679695	CAS Multi-Charger UK
1679696	CAS Multi-Charger US
1708118	Housing iBird Pro C CAS
**1807121	iBird module Pro CL
1807122	E control
1829177	Key iBird Pro CL



*** Wearing parts**
** Exchange only by GESIPA®

AccuBird® Pro AV CAS - from may 2021



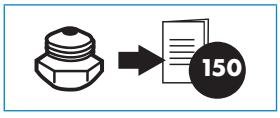
150

* Wearing parts

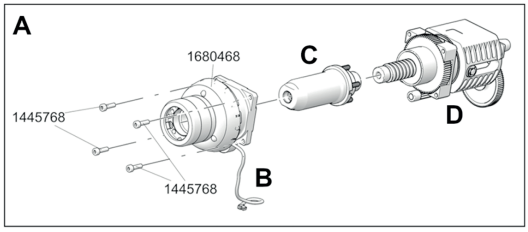
No.	
1434253*	O ring
1434874*	P tube
1434962	Washer
1434967	Washer
1434970	Sintered metal roller
1434978	Magazine insert
1434990*	Nosepiece 17/20 AV
1435016	Nosepiece magazine
1435017	Hanger
1435384*	Jaw pusher
1435385	Pin
1435392*	Jaw housing
1435393*	Channel tube
1435396	Spent mandrel container complete
1435397	Bearing cage
1435406	Ball screw drive
1435408	Hall plate
1435412*	Compression spring
1435421	Steel head sleeve
1435423	Union nut
1435448*	Jaw pusher
1435449	Pinion shaft complete
1435568*	Jaw
1435592*	Nosepiece 17/24 AV
1435593*	Nosepiece 17/27 AV
1435594*	Nosepiece 17/29 AV
1435595*	Nosepiece 17/32 AV
1435596*	Nosepiece 17/36 AV
1435597*	Nosepiece 17/40 AV
1445763	Sintered metal bushing
1445768	Screw

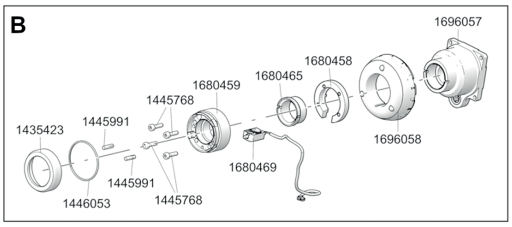
No.	
1445772	Screw
1445790	Lock washer
1445989	Screw
1445990	Screw
1445991	Dowel pin
1445994*	Compression spring
1446012*	O ring
1446053	O ring
1450817	Magnetic holder complete
1450826*	Support sleve complete
1450857	Motor complete
1450858	Key complete
1567794	Cable duct
1573351	Adapter
1674378	Locking slider
1678856	Tool bar
1679689*	Battery 2.0 Ah
1679694	CAS Multi-Charger EU
1679695	CAS Multi-Charger UK
1679696	CAS Multi-Charger US
1680458	Adapter ring
1680459	Casing
1680465	Screw connection
1680467	E control complete
1680468	Pressing unit complete
1680469	Sensor AV complete
1696057	Bearing complete
1696058	Light AV complete
1708119	Housing complete
1711279	Drive unit complete

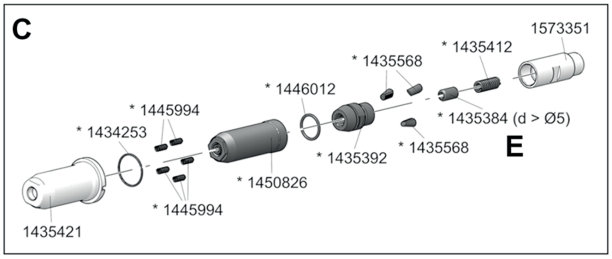
*** Wearing parts**

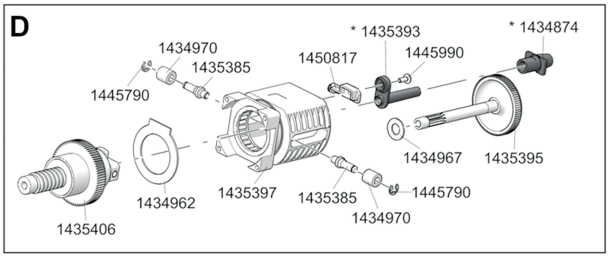


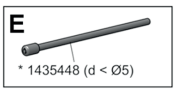
PowerBird® Pro GE AV CAS - from may 2021

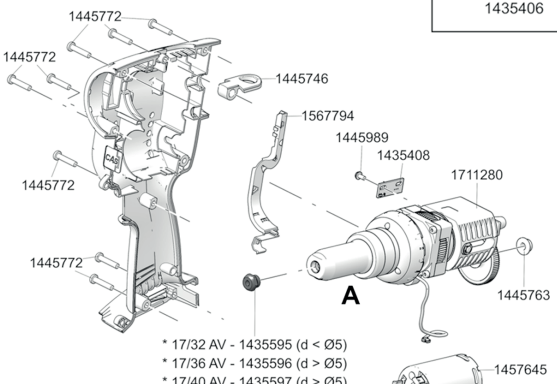


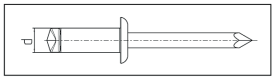


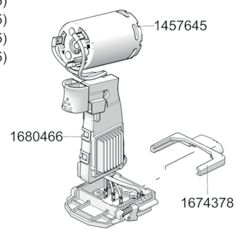


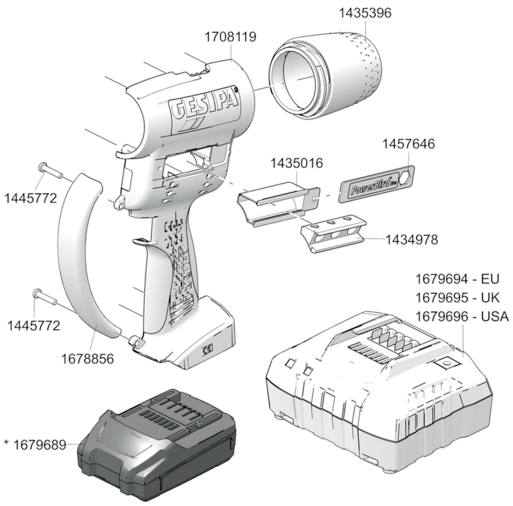












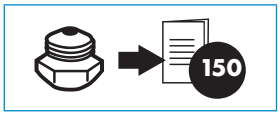
* **Wearing parts**

150

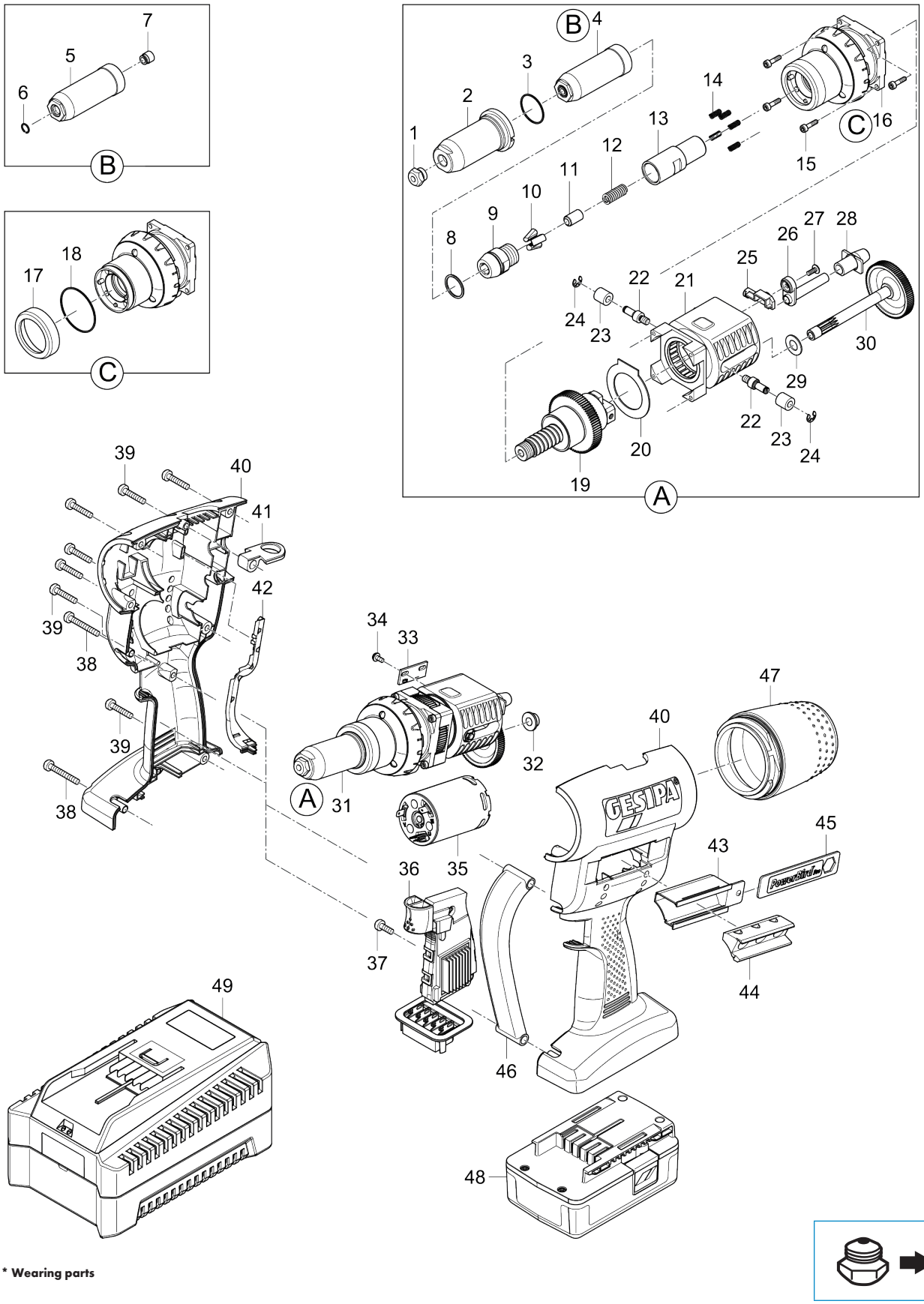
No.	
1434253*	O ring
1434874*	P tube
1434962	Washer
1434967	Washer
1434970	Sintered metal roller
1434978	Magazine insert
1435016	Nosepiece magazine
1435384*	Jaw pusher
1435385	Pin
1435392*	Jaw housing
1435393*	Channel tube
1435395	Pinion shaft complete
1435396	Spent mandrel container complete
1435397	Bearing cage
1435406	Ball screw drive complete
1435408	Hall plate
1435412*	Compresiion spring
1435421	Steel head sleeve
1435423	Union nut
1435448*	Jaw pusher
1435568*	Jaw
1435595*	Nosepiece 17/32 AV
1435596*	Nosepiece 17/36 AV
1435597*	Nosepiece 17/40 AV
1435598*	Nosepiece 17/45 AV
1445746	Hanger
1445763	Sintered metal bushing
1445768	Screw
1445772	Screw
1445790	Lock washer

No.	
1445989	Screw
1445990	Screw
1445991	Dowel pin
1445994*	Compression spring
1446012*	O ring
1446053	O ring
1450817	Magnetic holder
1450826*	Support sleeve complete
1457645	Motor
1457646	Key complete
1567794	Channel tube
1573351	Adapter
1674378	Locking slider
1678856	Tool bar
1679689*	Battery 2,0 Ah
1679694	CAS Multi-Charger EU
1679695	CAS Multi-Charger UK
1679696	CAS Multi-Charger US
1680458	Adapter ring
1680459	Casing
1680465	Screw connection
1680466	E control complete
1680468	Pressing unit complete
1680469	Sensor AV complete
1696057	Bearing complete
1696058	Light AV complete
1708119	Housing complete
1711280	Drive unit complete

*** Wearing parts**



Bird Pro-Serie with spring loaded trigger system - until april 2021



* Wearing parts

150

No. 150 2102 (AccuBird® Pro)
No. 150 2103 (PowerBird® Pro)
No. 145 7638 (PowerBird® Pro GE)

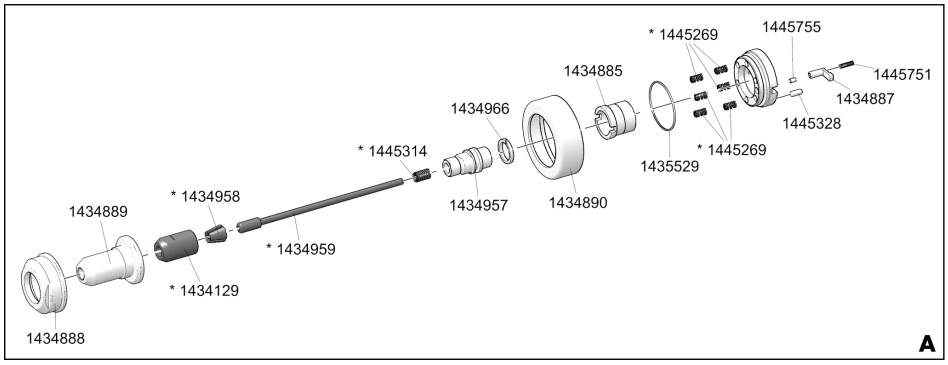
	No.		
1 *	143 5592	AccuBird® Pro	Nosepiece 17/24 AV
	143 5593		Nosepiece 17/27 AV
	143 5594		Nosepiece 17/29 AV
	143 5595	AccuBird® Pro, PowerBird® Pro, PowerBird® Pro GE	Nosepiece 17/32 AV
	143 5596	PowerBird® Pro, PowerBird® Pro GE	Nosepiece 17/36 AV
	143 5597		Nosepiece 17/40 AV
	143 5598		Nosepiece 17/45 AV
2	143 5421		Steel head sleeve
3	143 4253		O ring
4	145 0825	AccuBird® Pro	Support sleeve
	145 0826	PowerBird® Pro, PowerBird® Pro GE	Support sleeve
5	144 6010		Snap ring
6	143 5422		Support sleeve
7	143 5600	AccuBird® Pro	Nosepiece
	143 5601	PowerBird® Pro, PowerBird® Pro GE	Nosepiece
8 *	144 6012		O ring
9 *	143 5392		Jaw housing
10 *	143 5568		Jaws (3 parts)
11 *	143 5384	PowerBird® Pro, PowerBird® Pro GE	Jaw pusher
	143 5448	AccuBird® Pro	Jaw pusher
12	143 5412		Spring
13	157 3351		Adapter AV
14 *	144 5994		Spring
15	144 5768		Screw
17	143 5423		Union nut
18	144 6053		O ring
19	143 5406		Ball screw drive
20	143 4962		Washer
21	143 5397		Bearing cage complete
22	143 5385		Pin
23	143 4970		Sintered metal roller
24	144 5790		Washer

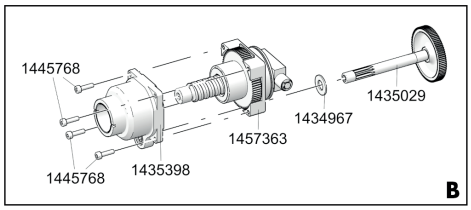
	No.		
25	145 0817		Magnetic holder
26	143 5393		Channel tube
27	144 5990		Screw
28	143 4874		Tube
29	1434967		Washer
30	143 5395	PowerBird® Pro GE	Pinion shaft
	143 5449	AccuBird® Pro, PowerBird® Pro	Pinion shaft
31	145 0829	PowerBird® Pro GE	Drive unit max. Dorn-Ø 4,5 mm
	151 9075	PowerBird® Pro	Drive unit max. Dorn-Ø 4,5 mm
	151 9074	AccuBird® Pro	Drive unit max. Dorn-Ø 3,2 mm
32	144 5763		Sintered metal bushing
33	143 5408		Plate
34	144 5989		Screw
35	145 7645	PowerBird® Pro GE	Motor complete
	146 3584	PowerBird® Pro	Motor complete
	145 0857	AccuBird® Pro	Motor complete
36	146 3926	PowerBird® Pro GE	Control
	150 1672	PowerBird® Pro	Control
	150 1673	AccuBird® Pro	Control
37	144 5773		Screw short
38	144 5987		Screw
39	144 5772		Screw long
40	143 5401		Housing complete
41	144 5746	PowerBird® Pro GE	Hanger
	143 5416	PowerBird® Pro	Hanger
	143 5017	AccuBird®	Hanger
42	143 5403		Cable duct
43	143 5016		Nosepiece magazine
44	143 4978		Magazine insert
45	145 7646	PowerBird® Pro	Key complete
	145 0858	AccuBird® Pro	Key complete
46	143 5399		Tool bar
47	143 5396		Spent mandrel container complete
48 *	145 7641		Battery - while stocks last
49	145 7642		Charger (EU)
	145 7649		Charger (USA)

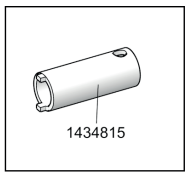
*** Wearing parts**

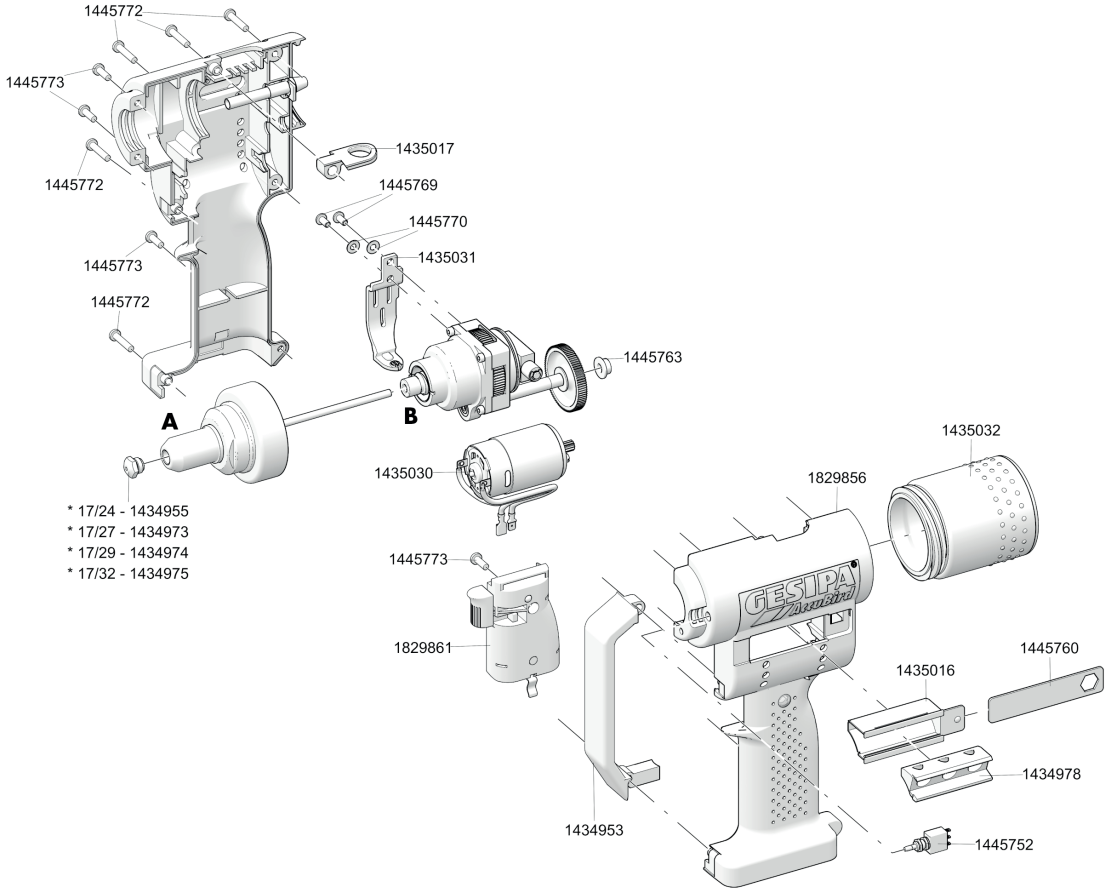
150

AccuBird® with spring loaded trigger system









150

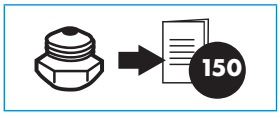
*** Wearing parts**

No. 145 7232

No.	
1434129*	Jaw housing
1434815	Pipe wrench
1434887	Trigger
1434888	Union nut
1434889	Steel head sleeve
1434953	Hoop guard
1434955*	Nosepiece 17/24
1434957	Adapter
1434958*	Jaws 3 parts
1434959*	Jaw pusher
1434966	Wiper
1434967	Washer
1434973*	Nosepiece 17/27
1434974*	Nosepiece 17/29
1434975*	Nosepiece 17/32
1434978	Magazine insert
1435016	Nosepiece magazine
1435017	Hanger
1435029	Pinion shaft
1435030	Motor

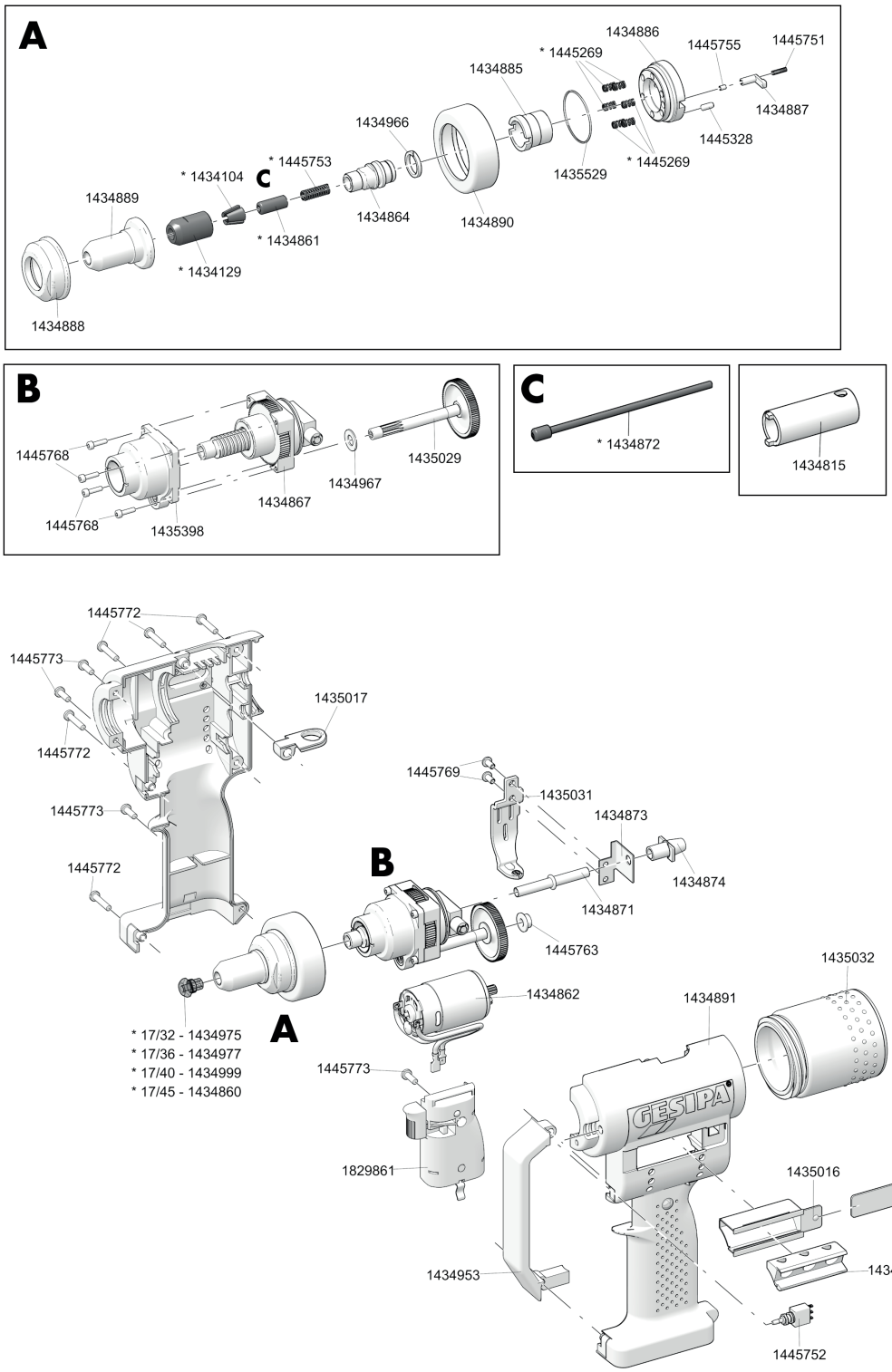
No.	
1435031	Magnetic holder
1435032	Spent mandrel container
1435398	Bearing
1435529	O ring
1445269*	Compression spring
1445314*	Compression spring
1445328	Cylinder pin
1445751	Compression spring
1445752	Pushbutton
1445755	Stud bolt
1445760	Maintenance wrench SW 12
1445763	Sintered metal bushing
1445768	Cylinder screw
1445769	Screw
1445770	Spring washer
1445772	Screw
1445773	PT-Screw
1457363	Ball screw drive
1829856	Housing
1829861	Electrical control

*** Wearing parts**



PowerBird® with spring loaded trigger system

- tool is no longer available



*** Wearing parts**

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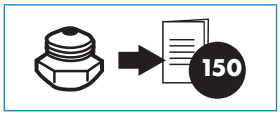
No. 145 7207

No.	
1434104*	Jaws 3 parts
1434129*	Jaw housing
1434815	TubeKey
1434860*	Nosepiece 17/45
1434861*	Jaw pusher
1434862	Motor
1434864	Adapter
1434867	Ball screw drive
1434871	PB-Tube
1434872*	Jaw pusher
1434873	Angle
1434874	P-Tube
1434885	Screw-in socket
1434886	Adapter
1434887	Trigger
1434888	Union nut
1434889	Steel head sleeve
1434890	Cover
1434891	Housing
1434953	Hoop guard
1434966	Wiper
1434967	Washer
1434975*	Nosepiece 17/32

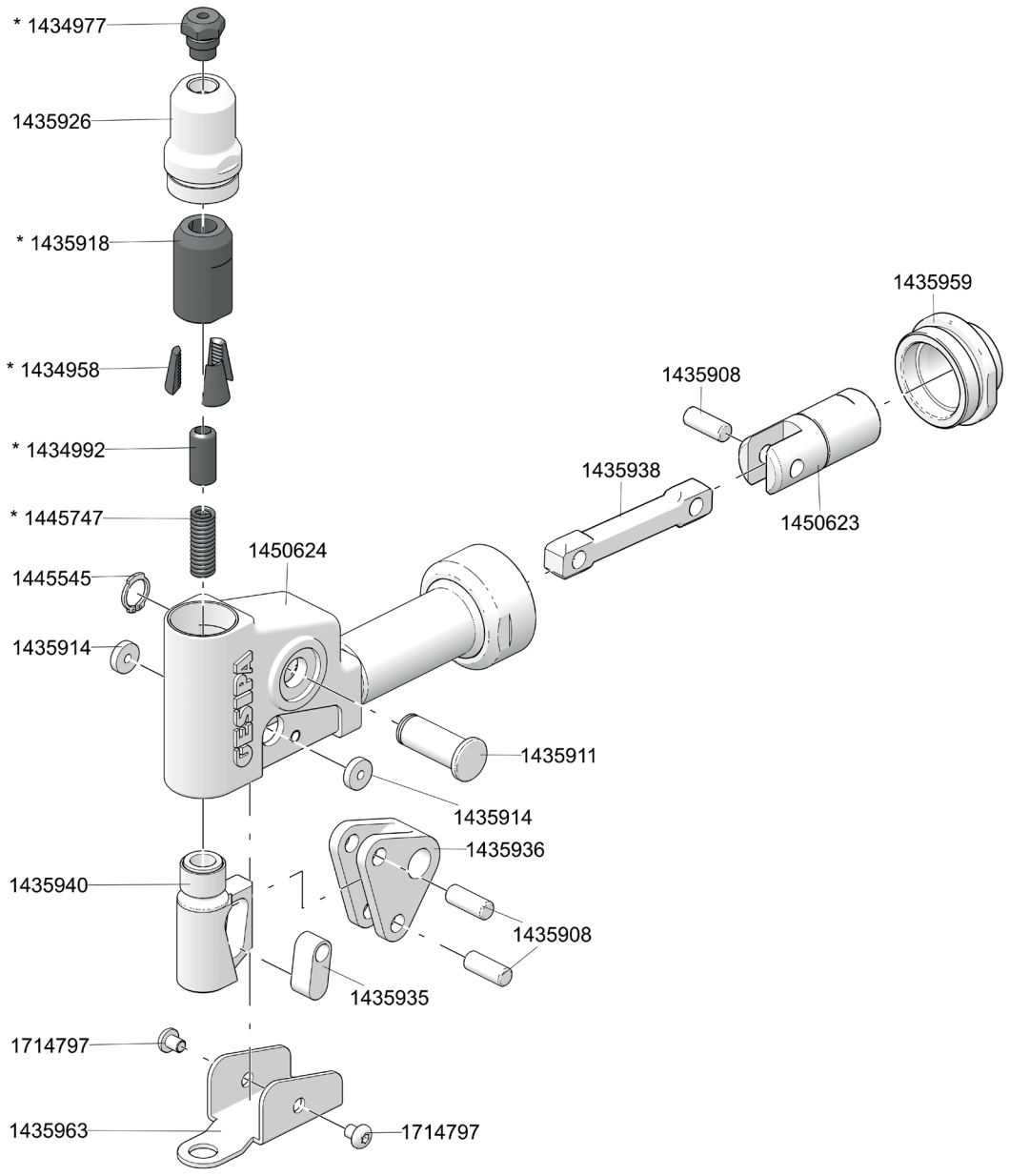
No.	
1434977*	Nosepiece 17/36
1434978	Magazine insert
1434999*	Nosepiece 17/40
1435016	Nosepiece magazine
1435017	Hanger
1435029	Pinion shaft
1435031	Magnetic holder
1435032	Spent mandrel container
1435398	Bearing
1435529	O ring
1445269*	Compression spring
1445328	Cylinder pin
1445751	Compression spring
1445752	Pushbutton
1445753*	Compression spring
1445755	Stud bolt
1445760	Maintenance wrench
1445763	Sintered metal bushing
1445768	Cylinder screw
1445769	Screw
1445772	Screw
1445773	PT-Screw
1829861	Electrical control

*** Wearing parts**



No.	
143 4958*	Jaws 3 parts
143 4977*	Nosepiece 17/36
143 4992*	Jaw pusher
143 5908	Bolt
143 5911	Axis bolt
143 5914	Spacer
143 5918*	Jaw housing
143 5926	Steel head sleeve
143 5935	Coupler
143 5936	Angle

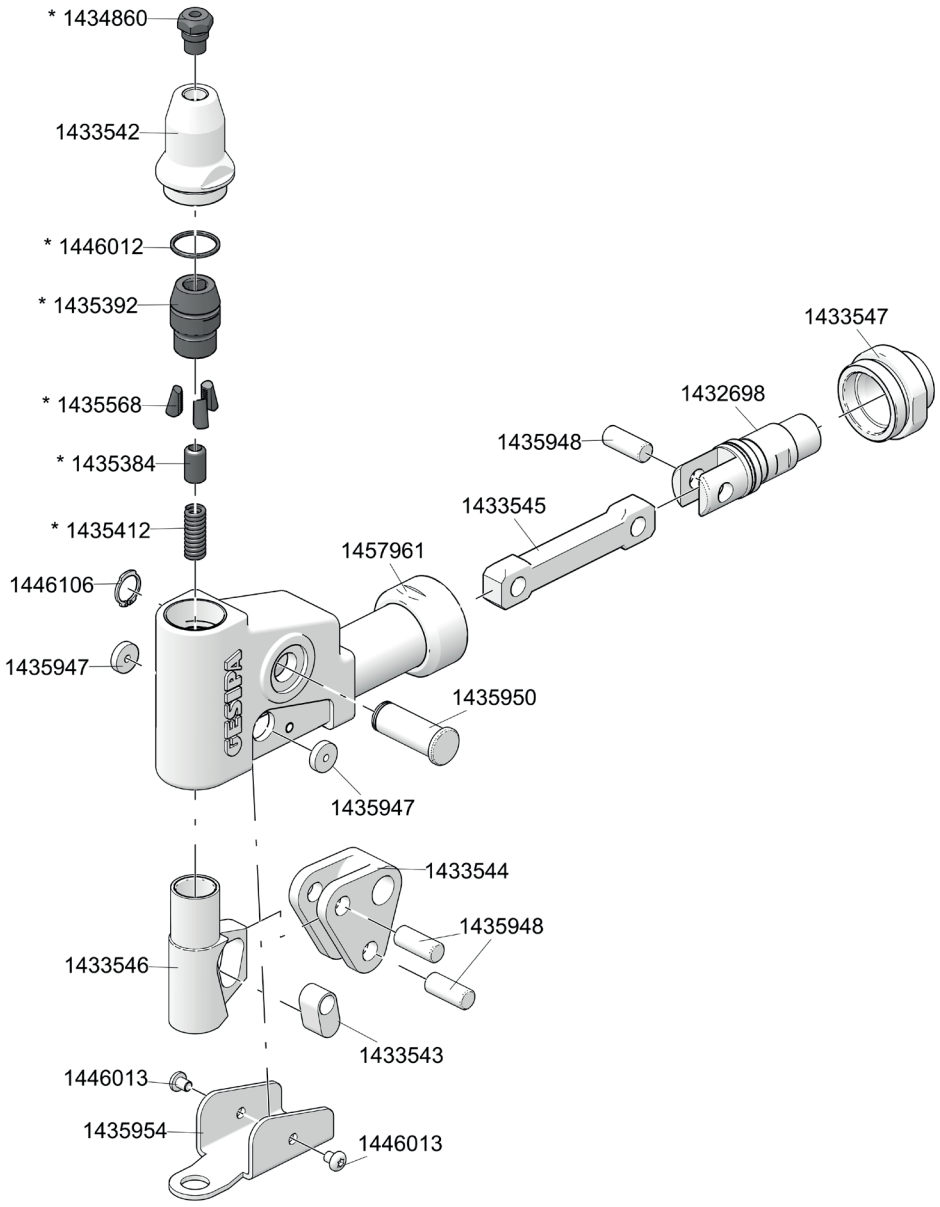
No.	
143 5938	Guiding cable piece
143 5940	Lock activator
143 5959	Adapter
143 5963	Predecting cap
144 5545	Snap ring
144 5747*	Compression spring
145 0623	Fork head
145 0624	Housing unit
171 4797	Oil screw



*** Wearing parts**

No.	
1434860*	Nosepiece 17/45
1432698	Fork head complete
1446012*	O ring
1435392*	Jaw housing
1435568*	Jaws 3 parts
1435384*	Jaw pusher
1435412*	Compression spring
1433542	Steel head sleeve
1433543	Coupler
1433544	Angle

No.	
1433545	Guiding cable piece
1433546	Lock activator
1433547	Adapter
1435947	Spacer
1435948	Bolt
1435950	Axis bolt
1435954	Predecting cap
1446106	Snap ring
1446013	Oil screw
1457961	Housing unit complete



*** Wearing parts**

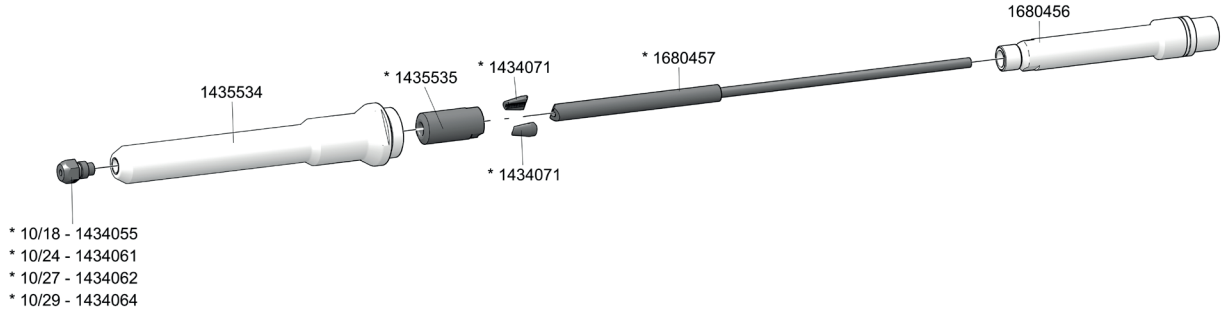
Accessories for battery powered blind riveting tools

Small jaw assembly Bird Pro CAS

No. 168 0455

No.	
143 4055*	Nosepiece 10/18
143 4061*	Nosepiece 10/24
143 4062*	Nosepiece 10/27
143 4064*	Nosepiece 10/29
143 5534	Steel head sleeve
143 5535*	Jaw housing
143 4071*	Jaws 2 parts
168 0457*	Jaw pusher
168 0456	Extension complete

*** Wearing parts**

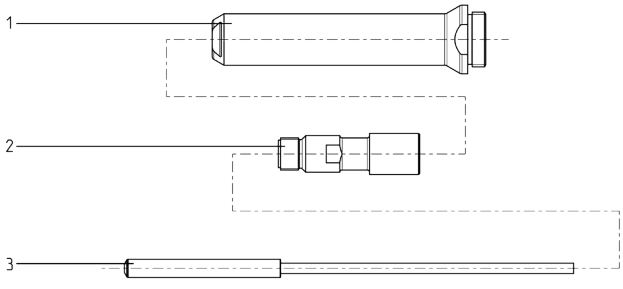


One-piece extension units

Extension unit for AccuBird®

50 mm: **No. 145 7273**
100 mm: **No. 145 7274**
150 mm: **No. 145 0622**

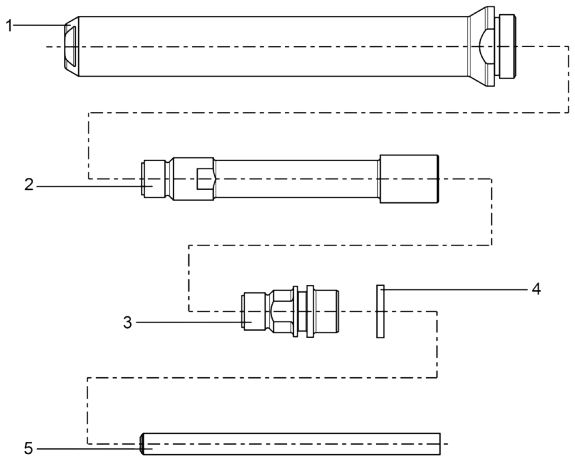
		No.	
50 mm	1	143 4836	Steel head sleeve
	2	143 4837	Extension piece
	3	143 4903	Jaw pusher
100 mm	1	143 4839	Steel head sleeve
	2	143 4840	Extension piece
	3	143 4996	Jaw pusher
150 mm	1	143 4841	Steel head sleeve
	2	143 4842	Extension piece
	3	143 4905	Jaw pusher



One-piece extension units

Extension unit for PowerBird® - while stocks last

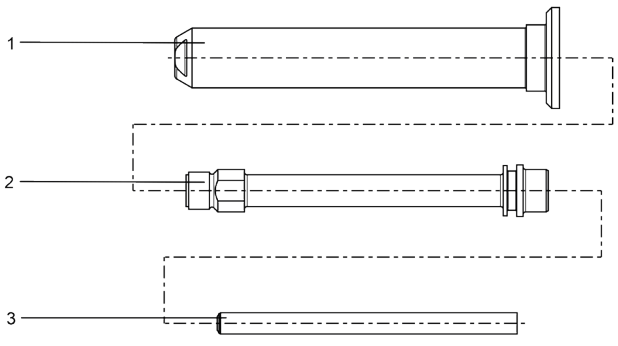
		No.	
50 mm	1	143 4836	Steel head sleeve
	2	143 4837	Extension piece
	3	143 4957	Adapter
	4	143 4966	Wiper
	5	143 4838	Jaw pusher
100 mm	1	143 4839	Steel head sleeve
	2	143 4840	Extension piece
	3	143 4957	Adapter
	4	143 4966	Wiper
	5	143 4870	Jaw pusher
150 mm	1	143 4841	Steel head sleeve
	2	143 4842	Extension piece
	3	143 4957	Adapter
	4	143 4966	Wiper
	5	143 4843	Jaw pusher



One-piece extension units

Extension unit for PowerBird® with spring loaded trigger system - while stocks last

		No.	
50 mm	1	143 4832	Steel head sleeve
	2	143 4833	Extension piece
	3	143 4834	Jaw pusher
100 mm	1	143 4849	Steel head sleeve
	2	143 4850	Extension piece
	3	143 4870	Jaw pusher

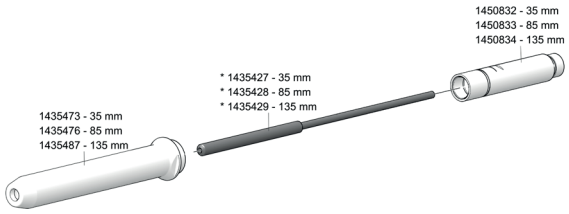


Accessories for battery powered blind riveting tools

One-piece extension units - AccuBird® Pro

+35 mm: **No. 145 0860**
+85 mm: **No. 145 0861**
+135 mm: **No. 145 0862**

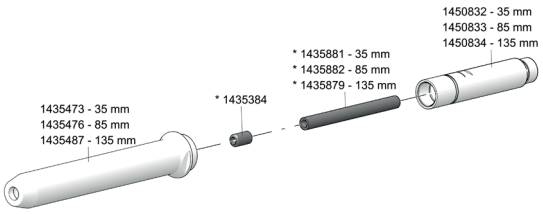
	No.	
+35 mm	143 5473	Steel head sleeve
	145 0832	Adapter
	143 5427*	Jaw pusher
+85 mm	143 5476	Steel head sleeve
	145 0833	Adapter
	143 5428*	Jaw pusher
+135 mm	143 5487	Steel head sleeve
	145 0834	Adapter
	143 5429*	Jaw pusher



One-piece extension units - PowerBird® Pro Gold Edition

+35 mm: **No. 145 7650**
+85 mm: **No. 145 7651**
+135 mm: **No. 145 0823**

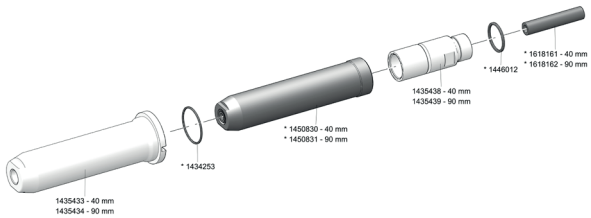
	No.	
+35 mm	143 5473	Steel head sleeve
	145 0832	Adapter
	143 5881*	Extension piece
	143 5384*	Jaw pusher
+85 mm	143 5476	Steel head sleeve
	145 0833	Adapter
	143 5882*	Extension piece
	143 5384*	Jaw pusher
+135 mm	143 5487	Steel head sleeve
	145 0834	Adapter
	143 5879*	Extension piece
	143 5384*	Jaw pusher



One-piece extension units - PowerBird® Pro Gold Edition with spring loaded trigger system

+40 mm: **No. 145 0821**
+90 mm: **No. 145 0822**

	No.	
+40 mm	143 5433	Steel head sleeve AV
	143 4253*	O ring
	145 0830*	Support sleeve AV complete
	143 5438	Adapter
	161 8161*	Extension piece 1
	144 6012*	O ring
+90 mm	143 5434	Steel head sleeve AV
	143 4253*	O ring
	145 0831*	Support sleeve AV complete
	143 5439	Adapter
	161 8162*	Extension piece 1
	144 6012*	O ring



*** Wearing parts**

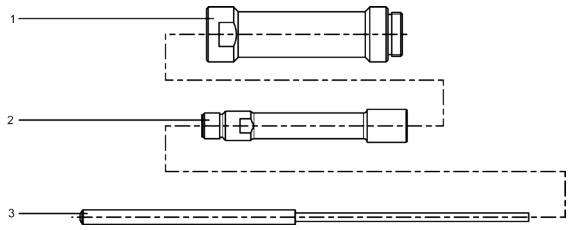
Extension units also suitable for all CAS tools!

CAS

Multi-piece extension units - AccuBird® extension unit 100 mm**

No. 145 7318

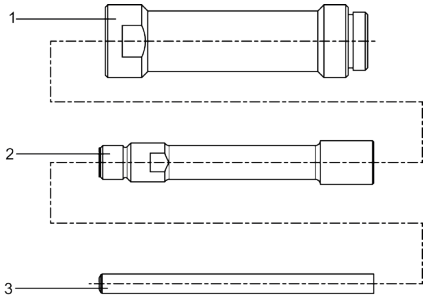
	No.	
1	143 4995	Extension sleeve
2	143 4165	Extension piece
3	143 4996	Jaw pusher



Multi-piece extension units - PowerBird® extension unit 100 mm**

while stocks last

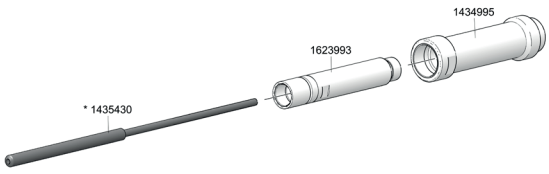
	No.	
1	143 4995	Extension sleeve
2	143 4165	Extension piece
3	143 4870	Jaw pusher



Multi-piece extension units - AccuBird® Pro extension unit 100 mm**

No. 145 0859

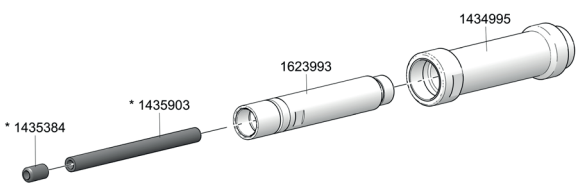
No.	
143 4995	Extension sleeve
162 3993	Adapter
143 5430*	Jaw pusher



Multi-piece extension units - PowerBird® Pro GE extension unit 100 mm**

No. 145 0820

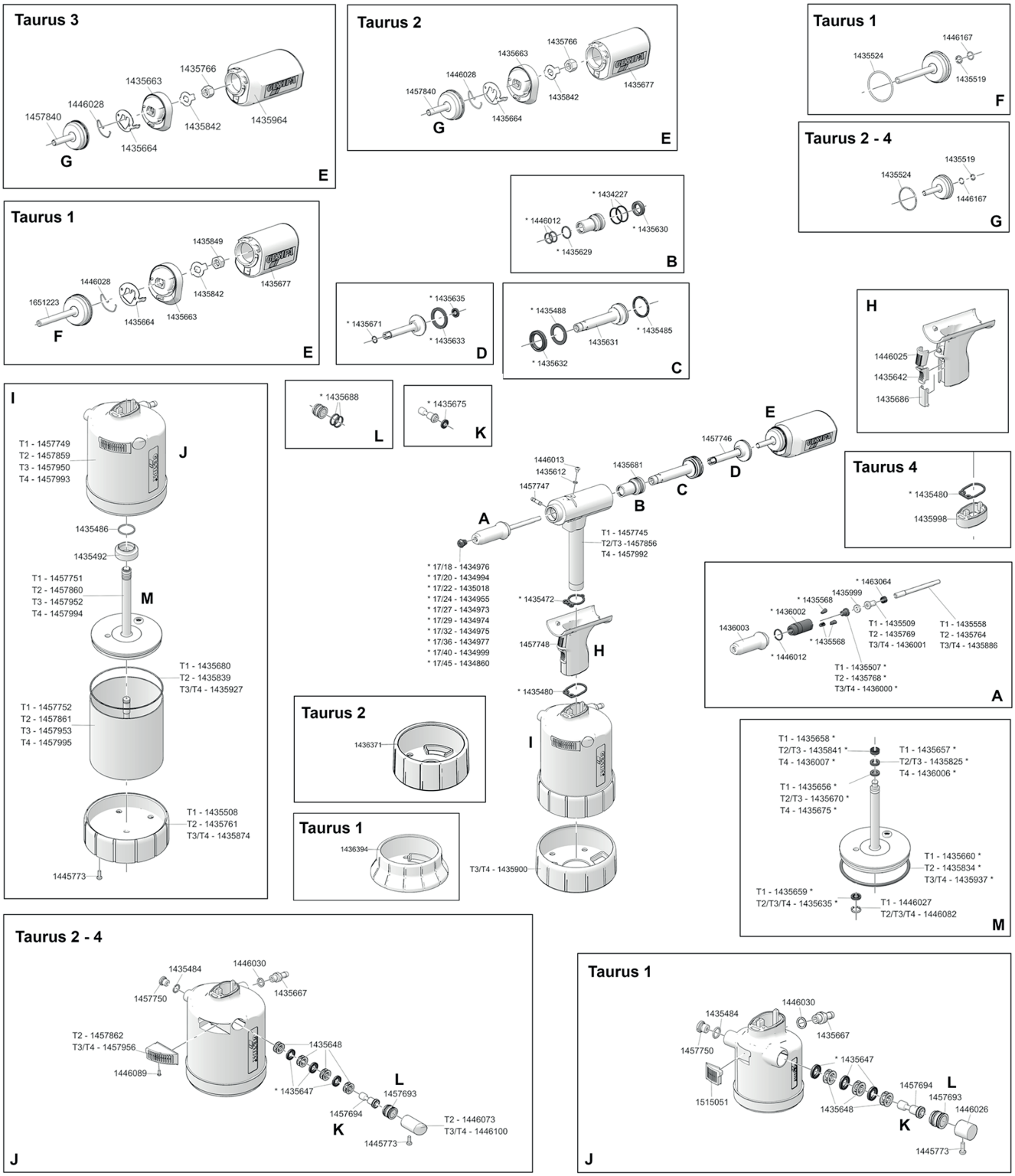
No.	
1435384*	Jaw pusher
1435903*	Extension piece
1623993	Adapter complete
1434995	Extension sleeve



*** Wearing parts**

**** arbitrary extension of the tool head in 100 mm steps**

TAURUS® 1-4



* Wearing parts

150

No. 145 7665 (T1)
No. 145 7771 (T2)

No. 145 7871 (T3)
No. 145 7964 (T4)

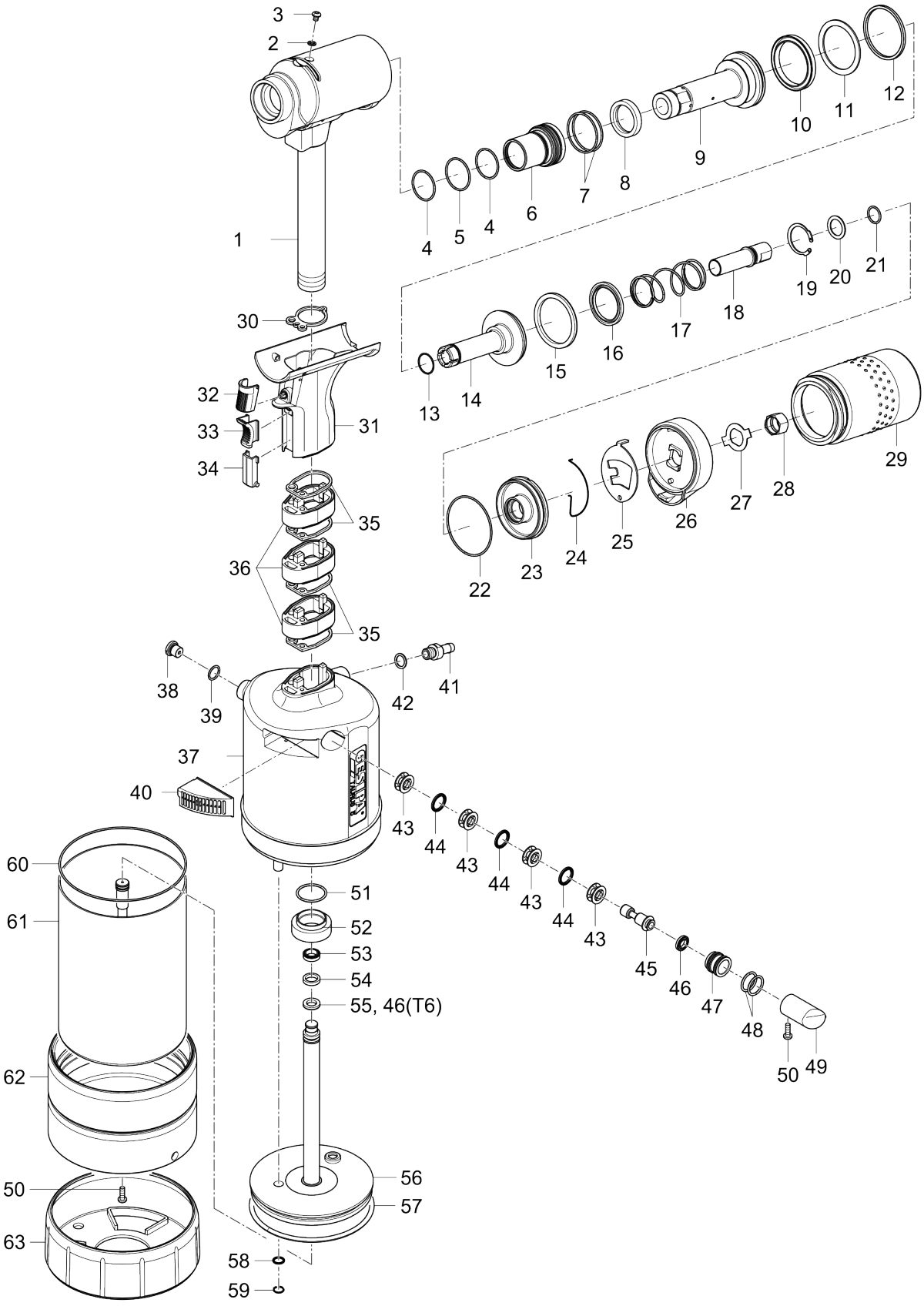
	No.	
	1434227*	O ring
T3,T4	1434860*	Nosepiece 17/45
T2	1434955*	Nosepiece 17/24
T2	1434973*	Nosepiece 17/27
T2	1434974*	Nosepiece 17/29
T2	1434975*	Nosepiece 17/32
T1	1434976*	Nosepiece 17/18
T3,T4	1434977*	Nosepiece 17/36
T1	1434994*	Nosepiece 17/20
T3,T4	1434999*	Nosepiece 17/40
T1	1435018*	Nosepiece 17/22
	1435472*	Flat gasket
	1435480*	Flat gasket
	1435484	O ring
	1435485*	Piston Seal
	1435486	O ring
	1435488*	Supporting ring
	1435492	Al nut
T1	1435507*	Jaw pusher
T1	1435508	Bottom
T1	1435509	Centre part
	1435519	O ring
	1435524	O ring
T1	1435558	Nozzle tube
	1435568*	Jaws
	1435612	Sealing ring
	1435629*	O ring
	1435630*	Rod seal
	1435631	Draw bar
	1435632*	Piston seal
	1435633*	Piston seal
	1435635*	Rod seal
	1435642	Slider
	1435647*	Rod seal
	1435648	Spacer cage
T1	1435656*	Piston seal
T1	1435657*	Guide ring
T1	1435658*	Piston seal
T1	1435659*	Rod seal
T1	1435660*	O ring
	1435663	Adapter
	1435664	Retainer
	1435667	Connecting nipple
T2, T3	1435670*	Piston seal
	1435671*	O ring
	1435675*	Piston seal
T1, T2	1435677	Spent mandrel container complete
T1	1435680	O ring
	1435681	Seal holder complete
	1435686	Orifice
	1435688*	O ring
T2	1435761	Bottom
T2	1435764	Nozzle tube
T2, T3, T4	1435766	Connecting piece nut
T2	1435768*	Jaw pusher
T2	1435769	Centre part
T2, T3	1435825*	Guide ring
T2, T3	1435834*	O ring
T2	1435839	O ring
T2, T3	1435841*	Piston seal

	No.	
	1435842	Washer
T1	1435849	Connecting piece nut
T3,T4	1435874	Bottom
T3,T4	1435886	Nozzle tube
T3, T4	1435900	Rubber foot
T3, T4	1435927	O ring
T4	1435937*	O ring
T3, T4	1435964	Spent mandrel container complete
	1435998	Grip extension
	1435999	Damping ring
T3,T4	1436000*	Jaw pusher
T3,T4	1436001	Centre part
	1436002*	Jaw housing
	1436003	Steel head sleeve
T4	1436006*	Guide ring
T4	1436007*	Piston seal
T2	1436371	Rubber foot
FF 1, T1	1436394	Rubber foot
	1445773	PT-Screw
	1446012*	O ring
	1446013	Oil screw
	1446025	Activation button
T1	1446026	Stopper
T1	1446027	Snap ring
	1446028	Retaining spring
	1446030	Sealing ring
T2	1446073	Stopper
T2, T3, T4	1446082	Snap ring
T2, T3, T4	1446089	Screw
T3,T4	1446100	Stopper
	1446167	Snap ring
	1457693	Piston housing complete
	1457694	Control piston complete
T1	1457745	Tool head complete
	1457746	Resetting piston complete
	1457747	Distributing valve complete
	1457748	Grip complete
T1	1457749	Air cylinder complete
	1457750	Pressure relief valve complete
T1	1457751	Air piston complete
T1	1457752	Cylinder complete
T2, T3, T4	1457840	End cap complete
T2	1457856	Tool head complete
T2	1457859	Air cylinder complete
T2	1457860	Air piston complete
T2	1457861	Cylinder complete
T2	1457862	Silencer complete
T3	1457950	Air cylinder complete
T3	1457952	Air piston complete
T3	1457953	Cylinder complete
T3,T4	1457956	Silencer complete
T4	1457992	Tool head complete
T4	1457993	Air cylinder complete
T4	1457994	Air piston complete
T4	1457995	Cylinder complete
	1463064*	Spring
T1	1515051	Silencer complete
T1	1651223	End cap complete

*** Wearing parts**

You will find spare part kits from page 403

TAURUS® 5-6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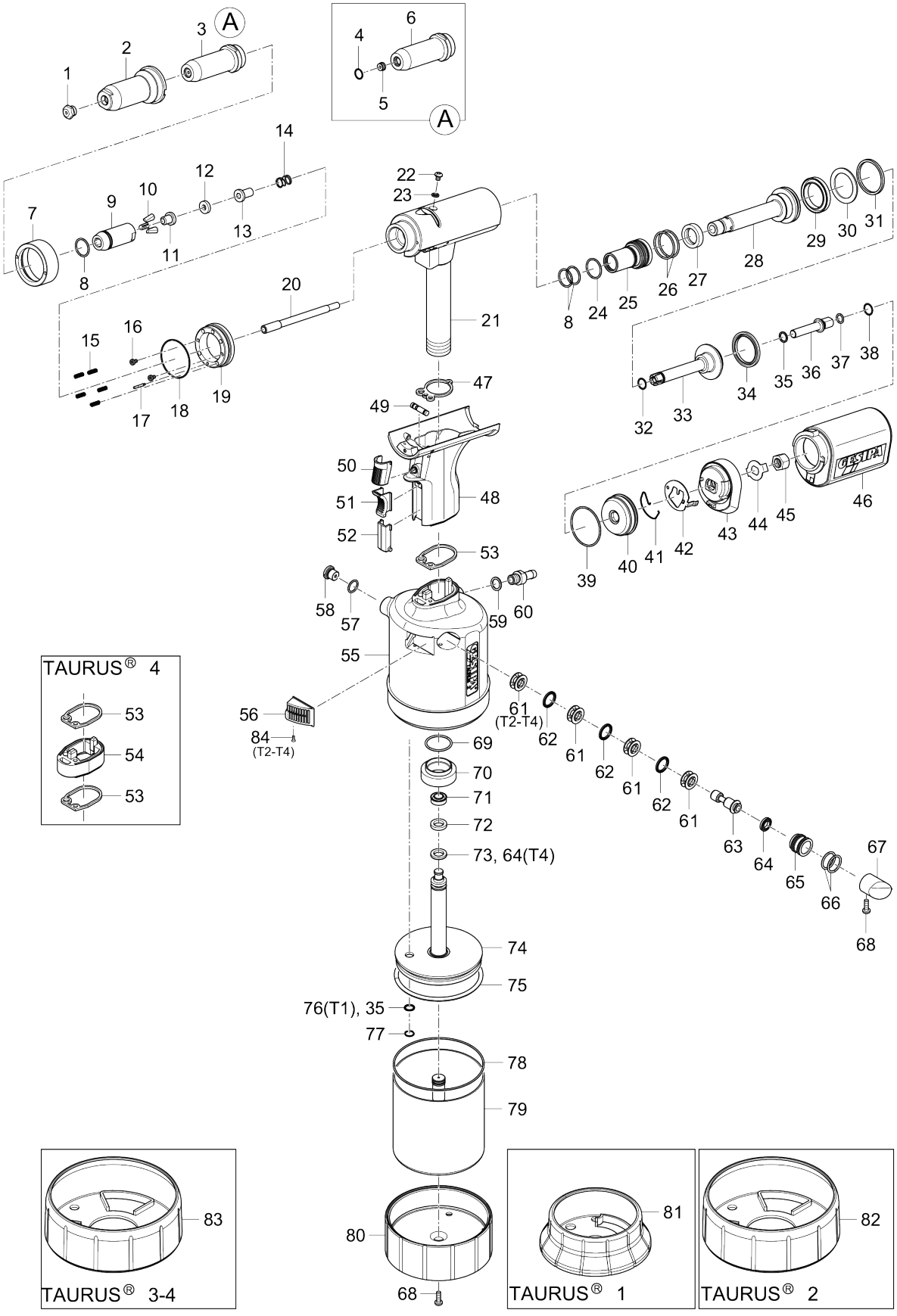
No. 145 8002 (T5)
No. 145 8022 (T6)

		No.	
1	**T5**	145 8010	Tool head 5 assembled
	T6	145 8023	Tool head 6 assembled
2		143 5612	Sealing ring M4
3		144 6013	Oil screw
4 *		143 6044	O ring
5 *		143 6045	O ring
6		145 8011	Seal holder complete
7 *		143 6047	O ring
8 *		143 6048	Rod seal
9		143 6036	Draw bar
10 *		143 6049	Cylinder seal
11 *		143 6052	Supporting ring
12 *		143 6051	Piston seal
13 *		143 6046	O ring
14		145 8012	Resetting piston complete
15 *		143 6050	Lip ring
16 *		143 6053	Rod seal
17		144 6123	Spring
18		143 6030	Connecting piece
19		144 6124	V ring
20		144 6125	Washer
21		143 6042	O ring
22		143 6043	O ring
23		143 6034	End cap
24		144 6122	Retaining spring
25		143 6026	Retainer
26		143 6028	Adapter
27		143 6025	Washer
28		143 6029	Connecting piece nut
29		143 6058	Spent mandrel container complete
30 *		143 5472	Flat gasket 1
31		145 7748	Grip complete
32		144 6025	Activation button
33		143 5642	Slider
34		143 5686	Orifice
35 *		143 5480	Flat gasket 2
36		143 5998	Grip extension

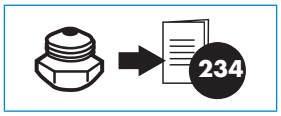
		No.	
37	**T5**	145 8013	Air cylinder 5 complete
	T6	146 4043	Air cylinder 6 complete
38		145 7750	Pressure relief valve complete
39		143 5484	O ring
40		145 7956	Silencer 3 complete
41		144 6030	Seal
42		143 5667	Connecting nipple
43		143 5648	Spacer cage
44		143 5647	Rod seal
45		143 5651	Control piston
46 *		143 5675	Piston seal
47		143 5652	Piston housing
48		143 5688	O ring
49		144 5773	Housing screw, short
50		144 6100	Stopper 3
51		143 5486	O ring
52		143 5492	Al nut
53 *	**T5**	143 6056	Cylinder seal
	T6	143 6007	Piston seal
54 *	**T5**	143 6040	Guide ring 5
	T6	143 6006	Guide ring 4
55 *	**T5**	143 6055	Lip ring
56	**T5**	145 8015	Air piston 5 complete
	T6	145 8024	Air piston 6 complete
57 *		143 5937	O ring
58		143 5635	Rod seal
59		144 6082	V ring
60		143 5927	O ring
61	**T5**	145 8014	Cylinder 5 complete
	T6	146 4044	Cylinder 6 complete
62		143 6027	Alu bottom
63		143 5900	Rubber foot
		144 5294	Hydraulic oil refill bottle, 100 ml

*** Wearing parts**

TAURUS® 1-4 AV



No. 145 7680 (T1)
No. 145 7778 (T2)
No. 145 5869 (T3)
No. 145 7965 (T4)

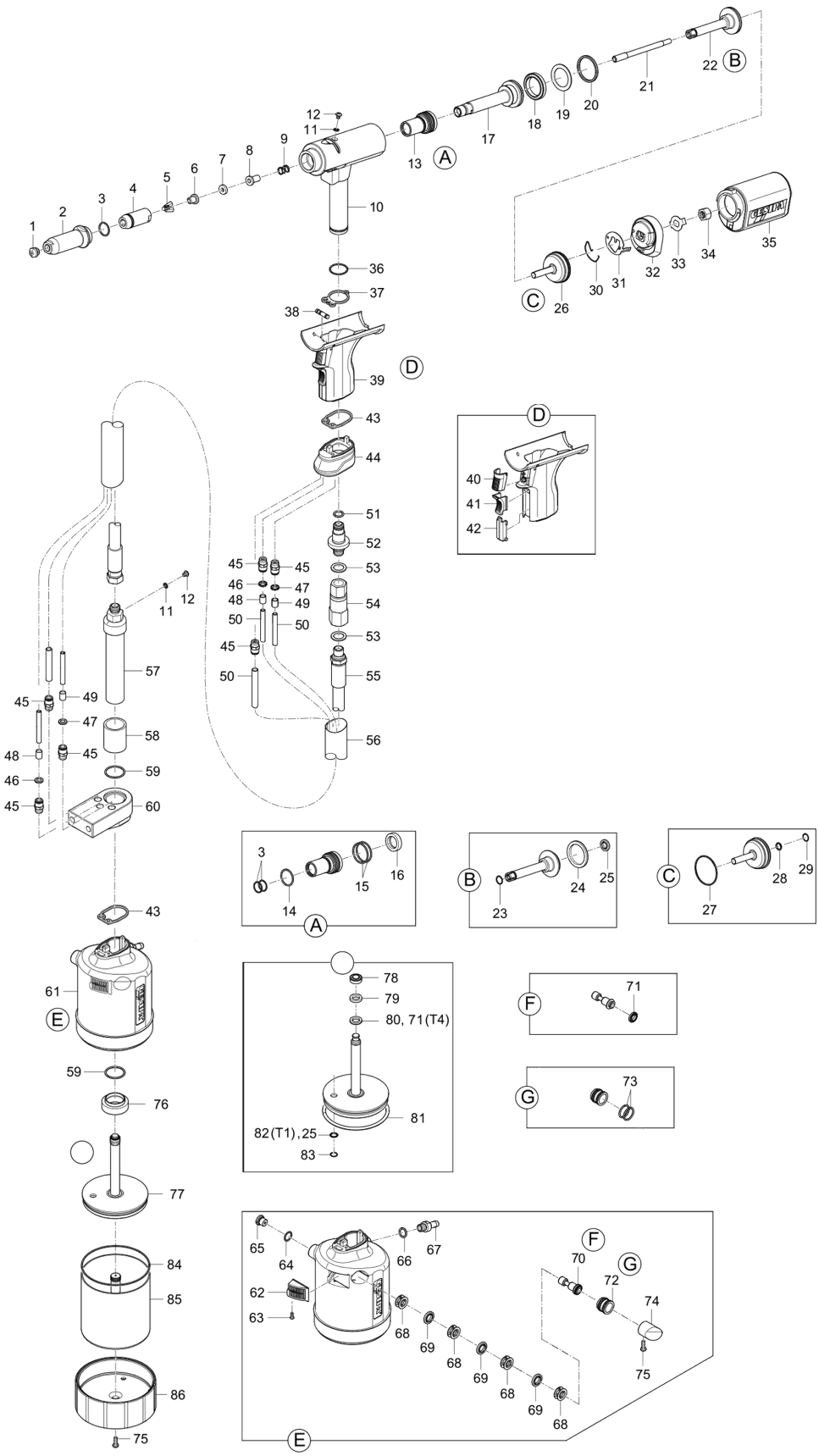


		No.	
1 *	T1	143 5591	Nosepiece 17/18 AV
		143 4990	Nosepiece 17/20 AV
		143 4991	Nosepiece 17/22 AV
	T2	143 5592	Nosepiece 17/24 AV
		143 5593	Nosepiece 17/27 AV
		143 5594	Nosepiece 17/29 AV
		143 5595	Nosepiece 17/32 AV
	T3, T4	143 5596	Nosepiece 17/36 AV
		143 5597	Nosepiece 17/40 AV
		143 5598	Nosepiece 17/45 AV
2		143 5466	Steel head sleeve
3	T1	145 0887	Support sleeve AV complete
	T2	145 0943	Support sleeve AV complete
	T3, T4	145 0978	Support sleeve AV complete
4 *		144 6010	Snap ring
5 *	T1	143 5599	Nosepiece Ø 2,5
	T2	143 5600	Nosepiece Ø 3,2
	T3, T4	143 5601	Nosepiece Ø 4,5
6		143 5467	Support sleeve AV
7		143 5499	Union nut
8		144 6012	O ring
9		143 6002	Jaw housing 4
10 *		143 5568	Jaws, 3 parts
11 *	T1	143 5507	Jaw pusher 1
	T2	143 5768	Jaw pusher 2
	T3, T4	143 6000	Jaw pusher 4
12		143 5999	Damping ring 4
13	T1	143 5509	Centre part 1
	T2	143 5769	Centre part 2
	T3, T4	143 6001	Centre part 4
14 *		146 3064	Spring
15 *		144 5994	Spring
16		144 5995	Cylinder screw
17		152 4521	Stamp
18		143 5529	O ring
19		143 5498	Casing
20	T1	143 5558	Nozzle tube 1
	T2	143 5764	Nozzle tube 2, long
	T3, T4	143 5886	Nozzle tube 3, long
21	T1	145 7696	Tool head assembled
	T2, T3	145 7842	Tool head assembled
	T4	145 7996	Tool head assembled
22		144 6013	Oil screw
23		143 5612	Sealing ring M4
24 *		143 5629	O ring
25		143 5681	Seal holder, complete
26 *		143 4227	O ring
27 *		143 5630	Rod seal
28		143 5631	Draw bar
29 *		143 5632	Piston seal
30 *		143 5488	Supporting ring
31 *		143 5485	Piston seal
32 *		143 5671	O ring
33		145 7746	Resetting piston complete
34 *		143 5633	Piston seal
35 *		143 5635	Rod seal
36	T1	143 5852	Connecting piece 1
	T2, T3, T4	143 5765	Connecting piece 2/3
37		143 5519	O ring
38		144 6167	Snap ring
39		143 5524	O ring
40		143 5532	End cap
41		144 6028	Retaining spring
42		143 5664	Retainer
43		143 5663	Adapter
44		143 5842	Lock washer
45	T1	143 5849	Connecting piece nut 1
	T2, T3, T4	143 5766	Connecting piece nut 2/3

		No.	
46	T1, T2	143 5677	Spent mandrel container, complete
	T3, T4	143 5964	Spent mandrel container, complete
47 *		143 5472	Flat gasket 1
48		145 7695	Grip AV, complete
49		145 7747	Distributing valve complete
50		144 6025	Activation button
51		143 5642	Slider
52		143 5686	Orifice
53 *		143 5480	Flat gasket 2
54		143 5998	Grip extension
55	T1	145 7749	Air cylinder, complete
	T2	145 7859	Air cylinder, complete
	T3	145 7950	Air cylinder, complete
	T4	145 7993	Air cylinder, complete
56	T1	151 5051	Silencer, complete
	T2	145 7862	Silencer, complete
	T3, T4	145 7956	Silencer, complete
57		145 7750	Pressure relief valve, complete
58		143 5484	O ring
59		143 5667	Connecting nipple
60		144 6030	Sealing ring
61		143 5648	Spacer cage
62 *		143 5647	Rod seal
63		143 5651	Control piston
64 *		143 5675	Piston seal
65		143 5652	Piston housing
66 *		143 5688	O ring
67	T1	144 6026	Stopper 1
	T2	144 6073	Stopper 2
	T3, T4	144 6100	Stopper 3
68		144 5773	Housing screw, short
69		143 5486	O ring
70		143 5492	Al nut
71 *	T1	143 5658	Piston seal
	T2, T3	143 5841	Piston seal
	T4	143 6007	Piston seal
72 *	T1	143 5657	Guide ring
	T2, T3	143 5825	Guide ring
	T4	143 6006	Guide ring
73 *	T1	143 5656	Piston seal
	T2, T3	143 5670	Piston seal
74	T1	145 7751	Air piston, complete
	T2	145 7860	Air piston, complete
	T3	145 7952	Air piston, complete
	T4	145 7994	Air piston, complete
75 *	T1	143 5660	O ring
	T2	143 5834	O ring
	T3, T4	143 5937	O ring
76	T1	143 5659	Rod seal
77	T1	144 6027	Snap ring
	T2, T3, T4	144 6082	V ring
78	T1	143 5680	O ring
	T2	143 5839	O ring
	T3, T4	143 5927	O ring
79	T1	145 7752	Cylinder, complete
	T2	145 7861	Cylinder, complete
	T3	145 7953	Cylinder, complete
	T4	145 7995	Cylinder, complete
80	T1	143 5508	Bottom
	T2	143 5761	Bottom
	T3, T4	143 5874	Bottom
81	T1	143 6394	Rubber foot
82	T2	143 6371	Rubber foot
83	T3, T4	143 5900	Rubber foot
84		144 6089	Screw
		144 5294	Hydraulic oil refill bottle 100 ml

*** Wearing parts**

TAUREX 1-4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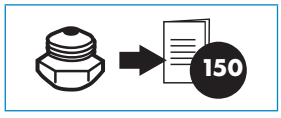
No. 145 8025 (T1)
No. 145 8031 (T2)
No. 145 8044 (T3)
No. 145 8058 (T4)

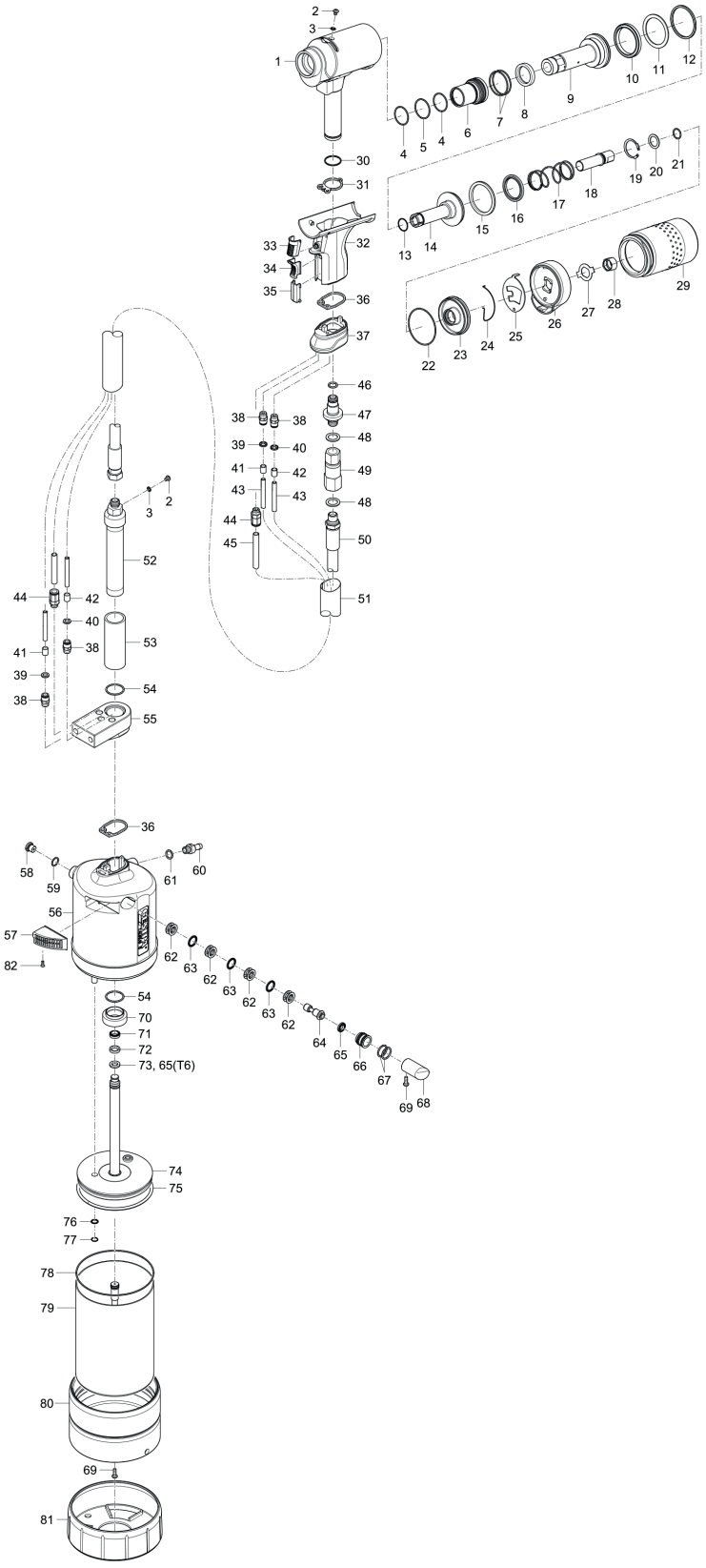
		No.	
1 *	T1	143 4976	Nosepiece17/18
		143 4994	Nosepiece17/20
		143 5018	Nosepiece17/22
	T2	143 4955	Nosepiece17/24
		143 4973	Nosepiece17/27
		143 4974	Nosepiece17/29
		143 4975	Nosepiece17/32
	T3, T4	143 4977	Nosepiece17/36
		143 4999	Nosepiece17/40
		143 4860	Nosepiece17/45
2		143 6003	Steel head sleeve 4
3 *		144 6012	O ring
4 *		143 6002	Jaw housing 4
5 *		143 5568	Jaws 3 parts
6 *	T1	143 5507	Jaw pusher AV1
	T2	143 5768	Jaw pusher AV2
	T3, T4	143 6000	Jaw pusher 4
7		143 5999	Damping ring 4
8	T1	143 5509	Centre part AV1
	T2	143 5769	Centre part AV2
	T3, T4	143 6001	Centre part 4
9		146 3064	Spring
10		145 8029	Tool head, assembled
11		143 5612	Sealing ring M4
12		144 6013	Oil screw
13		143 5681	Seal holder complete
14 *		143 5629	O ring
15 *		143 4227	O ring
16 *		143 5630	Rod seal
17		143 5631	Draw bar
18 *		143 5488	Supporting ring
19 *		143 5485	Piston seal
20 *		143 5632	Piston seal
21	T1	143 5558	Nozzle tube 1
	T2	143 5764	Nozzle tube 2, long
	T3, T4	143 5886	Nozzle tube 3, long
22		145 7746	Resetting piston complete
23		143 5671	O ring
24 *		143 5633	Piston seal
25		143 5635	Rod seal
26	T1	165 1223	End cap complete
	T2, T3, T4	145 7840	End cap complete
27		143 5524	O ring
28		143 5519	O ring
29		144 6167	Snap ring
30		144 6028	Retaining spring
31		143 5664	Retainer
32		143 5663	Adapter
33		143 5842	Washer
34	T1	143 5849	Connecting piece nut 1
	T2, T3, T4	143 5766	Connecting piece nut 2/3
35	T1, T2	143 5677	Spent mandrel container complete
	T3, T4	143 5964	Spent mandrel container complete
36		143 5590	O ring
37 *		143 5472	Flat gasket 1
38		145 7747	Distributing valve complete
39		145 7748	Grip complete
40		144 6025	Activation button
41		143 5642	Slider
42		143 5686	Orifice
43 *		143 5480	Flat gasket 2
44		144 6126	Head adapter
45		144 6130	Screw-in connection
46		144 6132	Coding ring, green
47		144 6133	Coding ring, red
48		144 5393	PA-Tube Ø 6 green**
49		144 5395	PA-Tube Ø 6 red**
50		144 6134	PU-Tube Ø 6**
51		143 4496	O ring
52		143 6090	Hose connector
53		144 6131	Hydraulic seal rings
54		144 6146	Swivel
55		144 6127	Hydraulic hose
56		144 6135	Hose casing
57	T1	151 3245	Hose connector assembled
	T2, T3	151 3246	Hose connector assembled
	T4	151 3247	Hose connector assembled
58	T1, T2, T3	143 6093	Spacer tube
	T4	143 6102	Spacer tube
59		143 5486	O ring
60		143 6092	Cylinder adapter
61	T1	145 1010	Air cylinder
	T2	145 1012	Air cylinder
	T3	143 6101	Air cylinder
	T4	145 1024	Air cylinder
62	T1	151 5051	Silencer 1 complete
	T2	145 7862	Silencer 2 complete
	T3, T4	145 7956	Silencer 3 complete
63	T2, T3, T4	144 6089	Screw
64		143 5484	O ring
65		145 7750	Pressure relief valve complete
66		144 6030	Sealing ring
67		143 5667	Connecting nipple
68	T2, T3, T4	143 5648	Spacer cage
69		143 5647	Rod seal
70		145 7694	Control piston
71 *		143 5675	Piston seal
72 *		145 7693	Piston housing
73 *		143 5688	O ring
74	T1	144 6026	Stopper 1
	T2	144 6073	Stopper 2
	T3, T4	144 6100	Stopper 3
75		144 5773	Housing screw short
76		143 5492	Al nut
77	T1	145 7751	Air piston 1 complete
	T2	145 7860	Air piston 2 complete
	T3	145 7952	Air piston 3 complete
	T4	145 7994	Air piston 4 complete
78 *	T1	143 5658	Piston seal
	T2, T3	143 5841	Piston seal
	T4	143 6007	Piston seal
79 *	T1	143 5657	Guide ring 1
	T2, T3	143 5825	Guide ring 2
	T4	143 6006	Guide ring 4
80 *	T1	143 5656	Piston seal
	T2, T3	143 5670	Piston seal
81 *	T1	143 5660	O ring
	T2	143 5834	O ring
	T3, T4	143 5937	O ring
82 *	T1	143 5659	Rod seal
83	T1	144 6027	Snap ring
	T2, T3, T4	144 6082	V ring
84	T1	143 5680	O ring
	T2	143 5839	O ring
	T3, T4	143 5927	O ring
85	T1	145 7752	Cylinder 1 complete
	T2	145 7861	Cylinder 2 complete
	T3	145 7953	Cylinder 3 complete
	T4	145 7995	Cylinder 4 complete
86	T1	143 5508	Bottom 1
	T2	143 5761	Bottom 2
	T3, T4	143 5874	Bottom 3
		144 5294	Hydraulic oil refill bottle, 100 ml



*** Wearing parts**

** The length required must always be specified on the order;
the article numbers always refers to the price per metre.

TAUREX 5-6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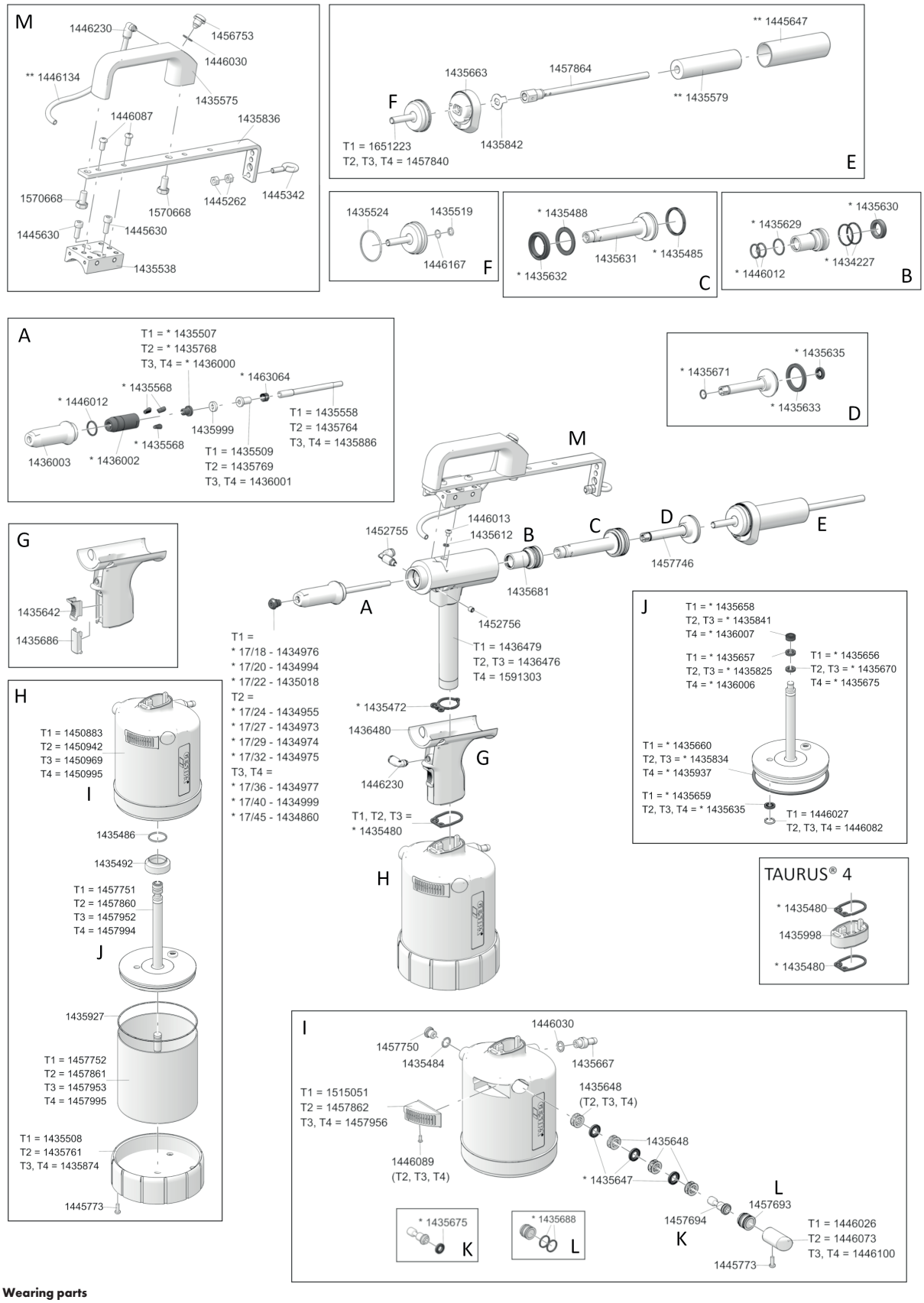
No. 145 8060 (T5)
No. 145 8062 (T6)

		No.	
1		145 1025	Tool head, assembled
2		143 5612	Sealing ring M4
3		144 6013	Oil screw
4 *		143 6044	O ring
5 *		143 6045	O ring
6		143 6035	Seal holder complete
7 *		143 6047	O ring
8 *		143 6048	Rod seal
9		143 6036	Draw bar
10 *		143 6049	Piston seal
11 *		143 6052	Supporting ring
12 *		143 6051	Piston seal
13 *		143 6046	O ring
14		145 8012	Resetting piston complete
15 *		143 6050	Piston seal
16 *		143 6053	Rod seal
17		144 6123	Spring
18		143 6030	Connecting piece
19		144 6124	Snap ring
20		144 6125	Washer
21		143 6042	O ring
22		143 6043	O ring
23		143 6034	End cap
24		144 6122	Retaining spring
25		143 6026	Retainer
26		143 6028	Adapter
27		143 6025	Washer
28		143 6029	Connecting piece nut 1
29		143 6058	Spent mandrel container complete
30		143 5590	O ring
31 *		143 5472	Flat gasket 1
32		145 7748	Grip complete
33		144 6025	Activation button
34		143 5642	Slider
35		143 5686	Orifice
36 *		143 5480	Flat gasket 2
37		144 6126	Head adapter
38		144 6130	Screw-in connection
39		144 6132	Coding ring, green
40		144 6133	Coding ring, red
41		144 5393	PA-Tube Ø 6 green**
42		144 5395	PA-Tube Ø 6 red**
43		144 6134	PU-Tube Ø 6**
44		144 6138	Screw connection
45		144 6137	PU-Tube Ø 8**
46		143 4496	O ring
47		143 6090	Hose connector
48		144 6131	Hydraulic seal rings
49		144 6146	Swivel
50		144 6127	Hydraulic hose
51		144 6135	Hose casing
52	**T5**	152 4522	Hose connector assembled
	T6	152 4523	Hose connector assembled
53		143 6103	Spacer tube
54		143 6092	Cylinder adapter
55		143 5486	O ring
56	**T5**	145 8013	Air cylinder
	T6	146 4043	Air cylinder
57		145 7956	Silencer 3 complete
58		145 7750	Pressure relief valve complete
59		143 5484	O ring
60		143 5667	Connecting nipple
61		144 6030	Sealing ring
62		143 5648	Spacer cage
63 *		143 5647	Rod seal
64		143 5651	Control piston
65 *		143 5675	Piston seal
66		143 5652	Piston housing
67		143 5688	O ring
68		144 6100	Stopper 3
69		144 5773	Housing screw short
70		143 5492	Al nut
71 *	**T5**	143 6056	Piston seal
	T6	143 6007	Piston seal
72 *	**T5**	143 6040	Guide ring 5
	T6	143 6006	Guide ring 4
73 *	**T5**	143 6055	Piston seal
74	**T5**	145 8015	Air piston 5 complete
	T6	145 8024	Air piston 6 complete
75 *		143 5937	O ring
76 *		143 5635	Rod seal
77		144 6082	V ring
78		143 5927	O ring
79	**T5**	145 8014	Cylinder 5 complete
	T6	146 4044	Cylinder 6 complete
80		143 6027	Alu bottom
81		143 5900	Rubber foot 3-4
82		144 6089	Screw
		144 5294	Hydraulic oil refill bottle, 100 ml

*** Wearing parts**

** The length required must always be specified on the order;
the article numbers always refers to the price per metre.

TAURUS® 1-4 Axial eco

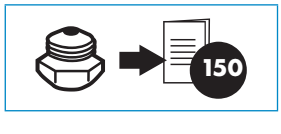


*** Wearing parts**

No. 145 7676 (T1)
No. 145 7798 (T2)
No. 145 7898 (T3)
No. 145 7980 (T4)

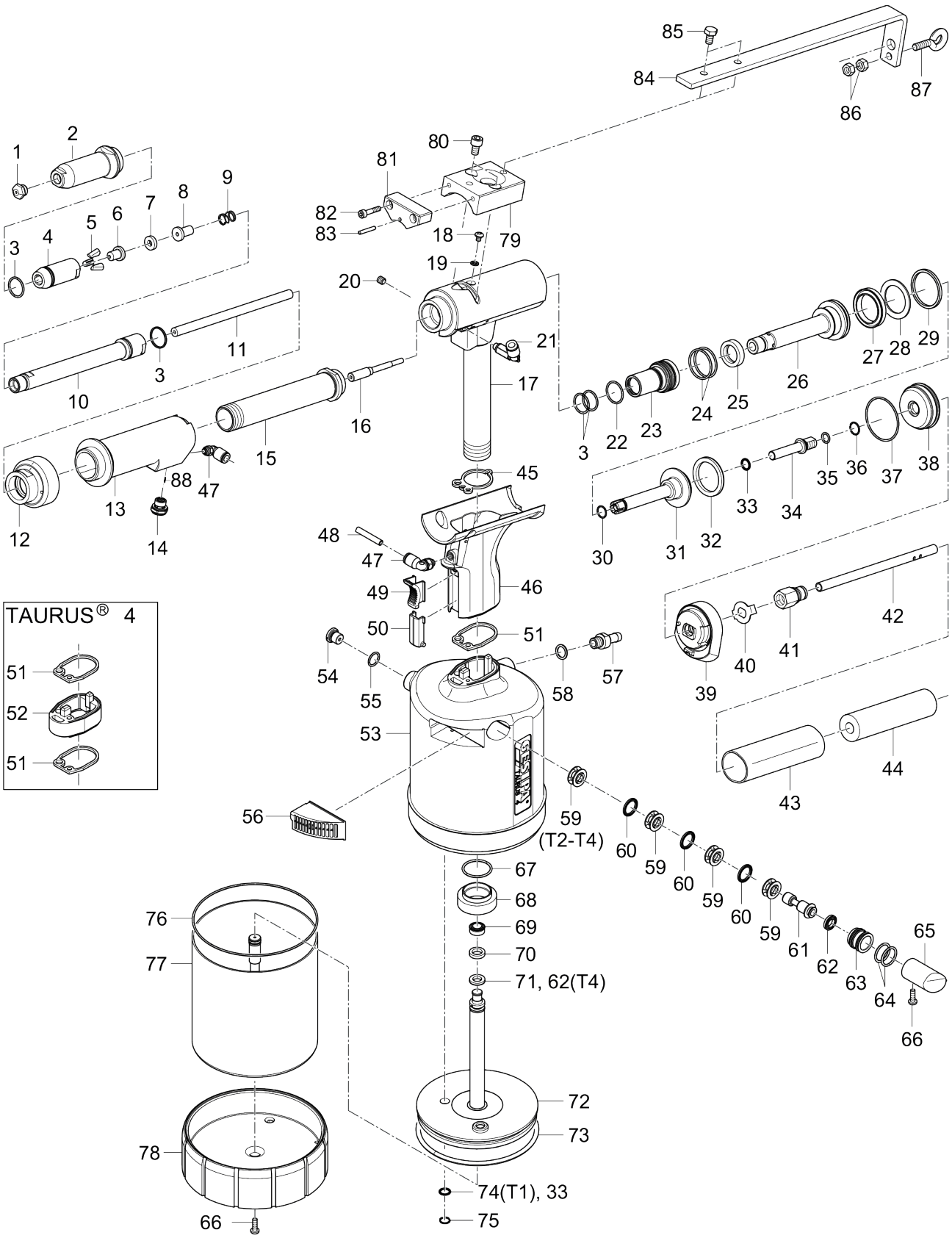
No.		
* 1434227		O ring
* 1434860	**T3,T4**	Nosepiece 17/45
* 1434955	**T2**	Nosepiece 17/24
* 1434973	**T2**	Nosepiece 17/27
* 1434974	**T2**	Nosepiece 17/29
* 1434975	**T2**	Nosepiece 17/32
* 1434976	**T1**	Nosepiece 17/18
* 1434977	**T3,T4**	Nosepiece 17/36
* 1434994	**T1**	Nosepiece 17/20
* 1434999	**T3,T4**	Nosepiece 17/40
* 1435018	**T1**	Nosepiece 17/22
* 1435472		Flat gasket
* 1435480		Flat gasket
1435484		O ring
* 1435485		Piston Seal
1435486		O ring
* 1435488		Supporting ring
1435492		Al nut
* 1435507	**T1**	Jaw pusher
1435508	**T1**	Bottom
1435509	**T1**	Centre part
1435519		O ring
1435524		O ring
1435538		Device holder
1435558	**T1**	Nozzle tube
* 1435568		Jaws
1435575		Grip
** 1435579		Foam tube
1435612		Sealing ring
* 1435629		O ring
* 1435630		Rod seal
1435631		Draw bar
* 1435632		Piston seal
* 1435633		Piston seal
* 1435635		Rod seal
1435642		Slider
* 1435647		Rod seal
1435648		Spacer cage
* 1435656	**T1**	Piston seal
* 1435657	**T1**	Guide ring
* 1435658	**T1**	Piston seal
* 1435659	**T1**	Rod seal
* 1435660	**T1**	O ring
1435663		Adapter
1435667		Connecting nipple
* 1435670	**T2, T3**	Piston seal
* 1435671		O ring
* 1435675		Piston seal
1435681		Seal holder complete
1435686		Orifice
* 1435688		O ring
1435761	**T2**	Bottom
1435764	**T2**	Nozzle tube
* 1435768	**T2**	Jaw pusher
1435769	**T2**	Centre part
* 1435825	**T2, T3**	Guide ring
* 1435834	**T2, T3**	O ring
1435836		Hanger
* 1435841	**T2, T3**	Piston seal
1435842		Washer
1435874	**T3,T4**	Bottom
1435886	**T3,T4**	Nozzle tube
1435927		O ring

No.		
* 1435937	**T4**	O ring
1435998		Grip extension
1435999		Damping ring
* 1436000	**T3,T4**	Jaw pusher
1436001	**T3,T4**	Centre part
* 1436002		Jaw housing
1436003		Steel head sleeve
* 1436006	**T4**	Guide ring
* 1436007	**T4**	Piston seal
1436476	**T2, T3**	Tool head complete
1436479	**T1**	Tool head complete
1436480		Grip complete
1445262		Nut
1445342		Eye screw
1445630		Cylinder screw
** 1445647		Protective cover
1445773		PT-Screw
* 1446012		O ring
1446013		Oil screw
1446026	**T1**	Stopper
1446027	**T1**	Snap ring
1446030		Sealing ring
1446073	**T2**	Stopper
1446082	**T2, T3, T4**	Snap ring
1446087		Screw
1446089	**T2, T3, T4**	Screw
1446100	**T3,T4**	Stopper
** 1446134		PU-Tube
1446167		Snap ring
1446230		Angle screw-in connection
1450883	**T1**	Air cylinder complete
1450942	**T2**	Air cylinder complete
1450969	**T3**	Air cylinder complete
1450995	**T4**	Air cylinder complete
1452755		Angle screw-in connection
1452756		Stud bolt
1456753		Valve complete
1457693		Piston housing complete
1457694		Control piston complete
1457746		Resetting piston complete
1457750		Pressure relief valve complete
1457751	**T1**	Air piston complete
1457752	**T1**	Cylinder complete
1457840	**T2, T3, T4**	End cap complete
1457860	**T2**	Air piston complete
1457861	**T2**	Cylinder complete
1457862	**T2**	Silencer complete
1457864		Rivet mandrel evacuation complete
1457952	**T3**	Air piston complete
1457953	**T3**	Cylinder complete
1457956	**T3,T4**	Silencer complete
1457994	**T4**	Air piston complete
1457995	**T4**	Cylinder complete
* 1463064		Spring
1515051	**T1**	Silencer complete
1570668		Screw
1591303	**T4**	Tool head complete
1651223	**T1**	End cap complete



*** Wearing parts**
** The length required must always be specified on the order;
the article numbers always refers to the price per metre.

TAURUS® 1-4 Axial



No. 145 7682 (T1)
No. 145 7795 (T2)
No. 145 7893 (T3)
No. 145 0981 (T4)

		No.	
1 *	T1	143 4976	Nosepiece17/18
		143 4994	Nosepiece17/20
		143 5018	Nosepiece17/22
	T2	143 4955	Nosepiece17/24
		143 4973	Nosepiece17/27
		143 4974	Nosepiece17/29
		143 4975	Nosepiece17/32
	T3, T4	143 4977	Nosepiece17/36
		143 4999	Nosepiece17/40
		143 4860	Nosepiece17/45
2		143 6003	Steel head sleeve 4
3 *		144 6012	O ring
4 *		143 6002	Jaw housing 4
5 *		143 5568	Jaws 3 parts
6 *	T1	143 5507	Jaw pusher 1
	T2	143 5768	Jaw pusher 2
	T3, T4	143 6000	Jaw pusher 4
7		143 5999	Damping ring 4
8	T1	143 5509	Centre part 1
	T2	143 5769	Centre part 2
	T3, T4	143 6001	Centre part 4
9 *		146 3064	Spring
10		143 5863	Adapter
11	T1	143 5867	Adapter
	T2	143 5862	Adapter
	T3, T4	143 5868	Adapter
12		143 5856	Adapter
13		143 6915	Grip Axial complete
14		143 6481	Trip valve
15		143 5857	Spacer
16	T1	143 5558	Nozzle tube 1
	T2	143 5764	Nozzle tube 2, long
	T3, T4	143 5886	Nozzle tube 3, long
17	T1	143 6479	Tool head 1, assembled
	T2, T3	143 6476	Tool head 2/3, assembled
	T4	143 6422	Tool head 4, assembled
18		144 6013	Oil screw
19		143 5612	Sealing ring M4
20		145 2756	Stud bolt
21		145 2755	Screw connection
22 *		143 5629	O ring
23		143 5681	Seal holder complete
24 *		143 4227	O ring
25 *		143 5630	Rod seal
26		143 5631	Draw bar
27 *		143 5632	Piston seal
28 *		143 5488	Sützring
29 *		143 5485	Piston seal
30 *		143 5671	O ring
31		145 7746	Resetting piston complete
32 *		143 5633	Piston seal
33 *		143 5635	Rod seal
34	T1	143 5852	Connecting piece 1
	T2, T3, T4	143 5765	Connecting piece 2/3
35		143 5519	O ring
36		144 6167	Snap ring
37		143 5524	O ring
38		143 5532	End cap
39		143 5663	Adapter
40		143 5842	Washer
41		143 5848	Screw connection
42		143 5767	Hose
43		144 5647	Protective hose
44		143 5579	Foam tube
45 *		143 5472	Flat gasket 1
46		143 6480	Grip complete
47		144 6230	Screw connection
48		144 6134	Hose (0,1m)**

		No.	
49		143 5642	Slider
50		143 5686	Orifice
51 *		143 5480	Flat gasket 2
52	T4	143 5998	Grip extension
53	T1	145 0882	Air cylinder 1 complete
	T2	145 0941	Air cylinder 2 complete
	T3	145 0968	Air cylinder 3 complete
	T4	145 0994	Air cylinder 4 complete
54		145 7750	Pressure relief valve complete
55		143 5484	O ring
56	T1	151 5051	Silencer 1 complete
	T2	145 7862	Silencer 2 complete
	T3, T4	145 7956	Silencer 3 complete
57		143 5667	Connecting nipple
58		144 6030	Sealing ring
59		143 5648	Spacer cage
60 *		143 5647	Rod seal
61		143 5651	Control piston
62 *		143 5675	Piston seal
63		143 5652	Piston housing
64		143 5688	O ring
65	T1	144 6026	Stopper 1
	T2	144 6073	Stopper 2
	T3, T4	144 6100	Stopper 3
66		144 5773	Housing screw short
67		143 5486	O ring
68		143 5492	Al nut
69 *	T1	143 5658	Piston seal
	T2, T3	143 5841	Piston seal
	T4	143 6007	Piston seal
70 *	T1	143 5657	Guide ring 1
	T2, T3	143 5825	Guide ring 2
	T4	143 6006	Guide ring 4
71 *	T1	143 5656	Piston seal
	T2, T3	143 5670	Piston seal
72	T1	145 7751	Air piston 1 complete
	T2	145 7860	Air piston 2 complete
	T3	145 7952	Air piston 3 complete
	T4	145 7994	Air piston 4 complete
73 *	T1	143 5660	O ring
	T2	143 5834	O ring
	T3, T4	143 5937	O ring
74 *	T1	143 5659	Rod seal
75	T1	144 6027	Snap ring
	T2, T3, T4	144 6082	V ring
76	T1	143 5680	O ring
	T2	143 5839	O ring
	T3, T4	143 5927	O ring
77	T1	145 7752	Cylinder 1 complete
	T2	145 7861	Cylinder 2 complete
	T3	145 7953	Cylinder 3 complete
	T4	145 7995	Cylinder 4 complete
78	T1	143 5508	Bottom 1
	T2	143 5761	Bottom 2
	T3, T4	143 5874	Bottom 3
79		143 5538	Holder
80		144 5630	Cylinder screw
81		145 0895	Holder
82		145 2757	Cylinder screw
83		143 3954	Cylinder pin
84		143 5836	Hanger
85		144 6092	Hexagon head screw
86		144 5262	Nut
87		144 5342	Eye screw
88		144 5996	Compression spring
		144 5294	Hydraulic oil refill bottle, 100 ml

*** Wearing parts**

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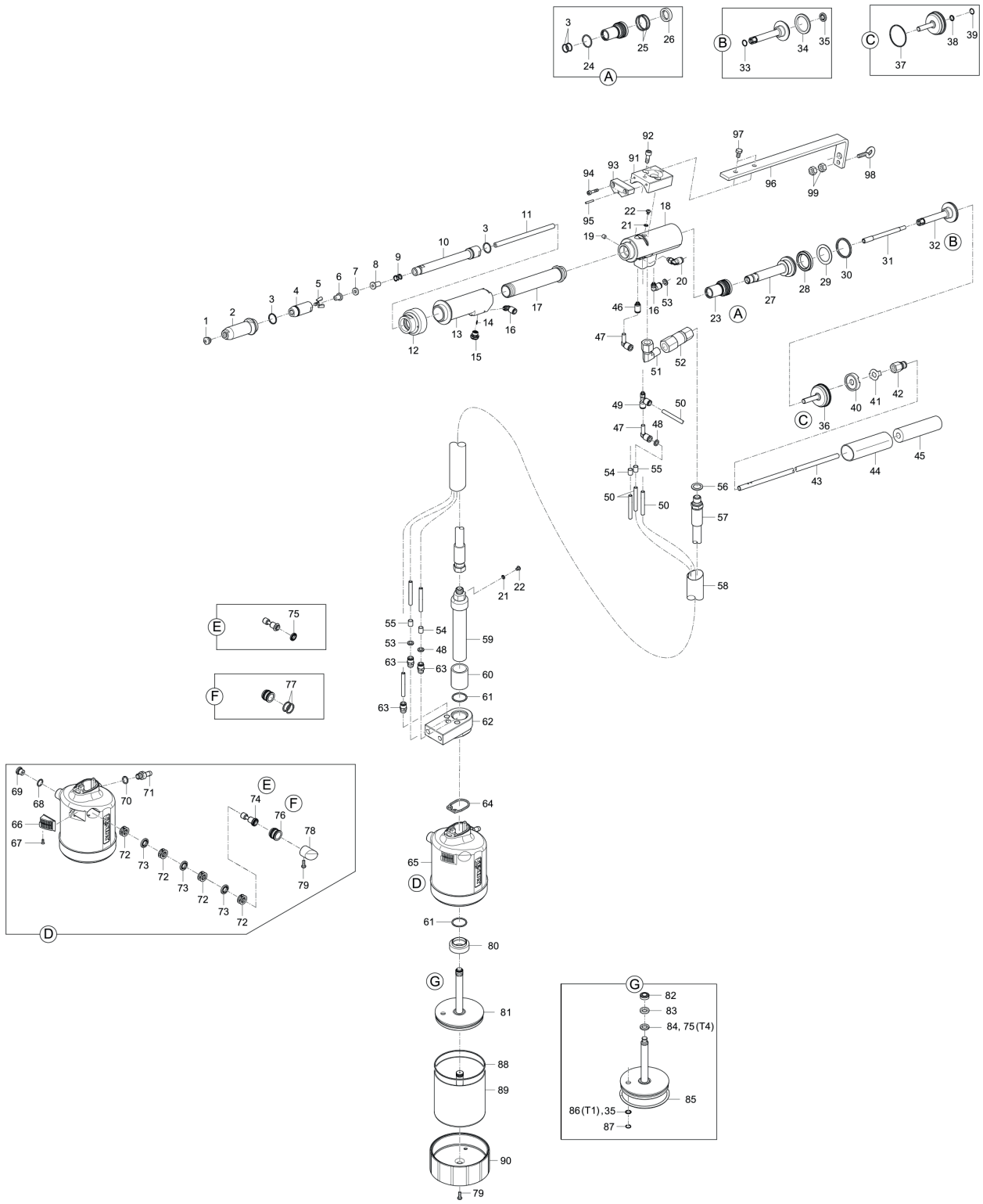
the article numbers always refers to the price per metre.

150

TAUREX 1-4 Axial



*** Wearing parts**

150

No. 145 8026 (T1)
No. 145 8032 (T2)
No. 145 8047 (T3)
No. 145 1019 (T4)

		No.	
1	T1	143 4976	Nosepiece17/18
		143 4994	Nosepiece17/20
		143 5018	Nosepiece17/22
	T2	143 4955	Nosepiece17/24
		143 4973	Nosepiece17/27
		143 4974	Nosepiece17/29
		143 4975	Nosepiece17/32
	T3, T4	143 4977	Nosepiece17/36
		143 4999	Nosepiece17/40
		143 4860	Nosepiece17/45
2		143 6003	Steel head sleeve 4
3 *		144 6012	O ring
4 *		143 6002	Jaw housing 4
5 *		143 5568	Jaws 3 parts
6 *	T1	143 5507	Jaw pusher 1
	T2	143 5768	Jaw pusher 2
	T3, T4	143 6000	Jaw pusher 4
7		143 5999	Damping ring 4
8	T1	143 5509	Centre part 1
	T2	143 5769	Centre part 2
	T3, T4	143 6001	Centre part 4
9		146 3064	Spring
10		143 5863	Adapter
11	T1	143 5867	Adapter 1
	T2	143 5862	Adapter 2
	T3, T4	143 5868	Adapter 3
12		143 5856	Adapter
13		143 6915	Grip complete
14		144 5996	Spring
15		143 6481	Trip valve
16		144 6230	Screw connection
17		143 5857	Spacer
18		145 0948	Tool head, assembled
19		145 2756	Stud bolt
20		144 6150	Angle screw connection
21		143 5612	Sealing ring M4
22		144 6013	Oil screw
23		143 5681	Seal holder complete
24 *		143 5629	O ring
25 *		143 4227	O ring
26 *		143 5630	Rod seal
27		143 5631	Draw bar
28 *		143 5632	Piston seal
29 *		143 5488	Sütztring
30 *		143 5485	Piston Seal
31	T1	143 5558	Nozzle tube 1
	T2	143 5764	Nozzle tube 2, long
	T3, T4	143 5886	Nozzle tube 3, long
32		145 7746	Resetting piston complete
33 *		143 5671	O ring
34 *		143 5633	Piston seal
35 *		143 5635	Rod seal
36	T1	143 5532	End cap complete
	T2, T3, T4	145 7840	End cap complete
37		143 5524	O ring
38		143 5519	O ring
39		144 6167	Snap ring
40		143 5853	Supporting ring
41		143 5842	Washer
42		143 5848	Screw connection
43		143 5767	Hose
44		143 5579	Foam tube
45		144 5647	Protective hose
46		144 6095	Screw connection
47		145 2759	Plug-in coupling
48		144 6133	Coding ring red
49		144 6093	Screw connection
50		144 6134	PU-Tube**
		144 6134	PU-Tube**

		No.	
51		144 6145	Angle screw connection
52		144 6146	Swivel
53		144 6132	Coding ring green
54		144 5395	PA-Tube red*
55		144 5393	PA-Tube green*
56		144 6131	Sealing ring
57		144 6136	Hydraulic hose
58		144 6135	Protective hose
59	T1	151 3245	Hose connector
	T2, T3	151 3246	Hose connector
	T4	151 3247	Hose connector
60	T1, T2, T3	143 6093	Spacer tube
	T4	143 6102	Spacer tube 4
61		143 5486	O ring
62		143 6092	Cylinder adapter
63		144 6130	Screw connection
64 *		143 5480	Flat gasket
65	T1	148 8025	Air cylinder 1 complete
	T2	148 8026	Air cylinder 2 complete
	T3	148 8027	Air cylinder 3 complete
	T4	148 8029	Air cylinder 4 complete
66	T1	151 5051	Silencer complete
	T2	145 7862	Silencer complete
	T3, T4	145 7956	Silencer complete
67		144 6089	Screw
68		143 5484	O ring
69		145 7750	Pressure relief valve complete
70		144 6030	Sealing ring
71		143 5667	Connecting nipple
72		143 5648	Spacer cage
73		143 5647	Rod seal
74		145 7694	Control piston
75 *		143 5675	Piston seal
76		145 7693	Piston housing
77 *		143 5688	O ring
78	T1	144 6026	Stopper 1
	T2	144 6073	Stopper 2
	T3, T4	144 6100	Stopper 3
79		144 5773	Screw
80		143 5492	Al nut
81	T1	145 7751	Air piston 1 complete
	T2	145 7860	Air piston 2 complete
	T3	145 7952	Air piston 3 complete
	T4	145 7994	Air piston 4 complete
82 *	T1	143 5658	Piston seal
	T2, T3	143 5841	Piston seal
	T4	143 6007	Piston seal
83 *	T1	143 5657	Guide ring 1
	T2, T3	143 5825	Guide ring 2
	T4	143 6006	Guide ring 4
84 *	T1	143 5656	Piston seal
	T2, T3	143 5670	Piston seal
85 *	T1	143 5660	O ring
	T2	143 5834	O ring
	T3, T4	143 5937	O ring
86 *	T1	143 5659	Rod seal
87	T1	144 6027	Snap ring
	T2, T3, T4	144 6082	Snap ring
88	T1	143 5680	O ring
	T2	143 5839	O ring
	T3, T4	143 5927	O ring
89	T1	145 7752	Cylinder 1 complete
	T2	145 7861	Cylinder 2 complete
	T3	145 7953	Cylinder 3 complete
	T4	145 7995	Cylinder 4 complete
90	T1	143 5508	Bottom 1
	T2	143 5761	Bottom 2
	T3, T4	143 5874	Bottom 3
91		143 5538	Holder
92		144 5630	Cylinder screw
93		145 0895	Holder
94		143 6915	Cylinder screw
95		143 3954	Cylinder pin
96		143 5855	Hanger
97		144 6087	Screw
98		144 5342	Eye screw
99		144 5262	Nut
		144 5294	Hydraulic oil refill bottle 100ml

*** Wearing parts**

** The length required must always be specified on the order;
the article numbers always refers to the price per metre.

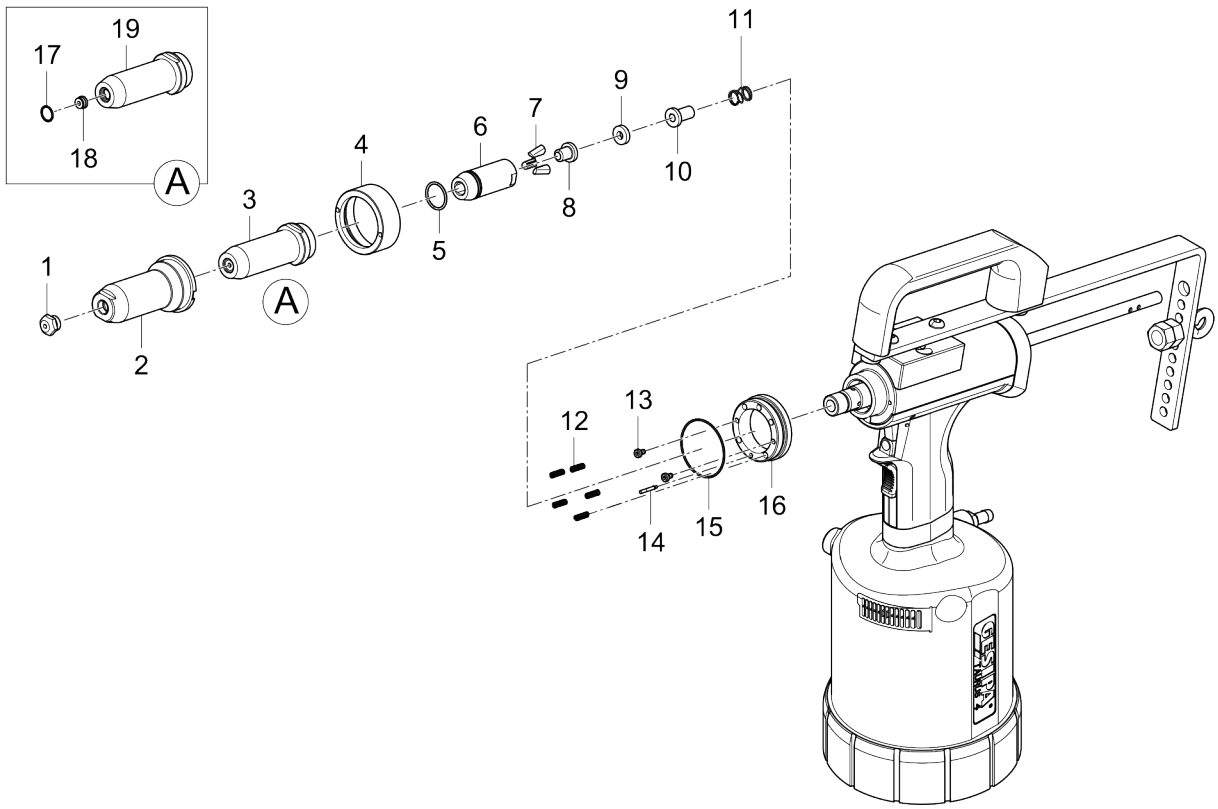
150

Spring loaded trigger system for Taurus® 1-4 Axial eco

No. 145 7677 (T1)
No. 145 7799 (T2)
No. 145 7899 (T3)
No. 145 7981 (T4)

		No.	
1 *	T1	143 5591	Nosepiece 17/18 AV
		143 4990	Nosepiece 17/20 AV
		143 4991	Nosepiece 17/22 AV
	T2	143 5592	Nosepiece 17/24 AV
		143 5593	Nosepiece 17/27 AV
		143 5594	Nosepiece 17/29 AV
		143 5595	Nosepiece 17/32 AV
	T3, T4	143 5596	Nosepiece 17/36 AV
		143 5597	Nosepiece 17/40 AV
		143 5598	Nosepiece 17/45 AV
2		143 5466	Steel head sleeve
3	T1	145 0887	Support sleeve AV complete
	T2	145 0943	Support sleeve AV complete
	T3, T4	145 0978	Support sleeve AV complete
4		143 5499	Union nut
5 *		144 6012	O ring
6 *		143 6002	Jaw housing
7 *		143 5568	Jaws, 3 parts
8 *	T1	143 5507	Jaw pusher 1
	T2	143 5768	Jaw pusher 2
	T3, T4	143 6000	Jaw pusher 4

		No.	
9		143 5999	Damping ring 4
10	T1	143 5509	Centre part 1
	T2	143 5769	Centre part 2
	T3, T4	143 6001	Centre part 4
11 *		146 3064	Spring
12 *		144 5994	Spring
13		144 5995	Cylinder screw
14		152 4521	Stamp
15		143 5498	Casing
16		143 5529	O ring
17		144 6010	Snap ring
18 *	T1	143 5599	Nosepiece Ø 2,5
	T2	143 5600	Nosepiece Ø 3,2
	T3, T4	143 5601	Nosepiece Ø 4,5
19		143 5467	Support sleeve



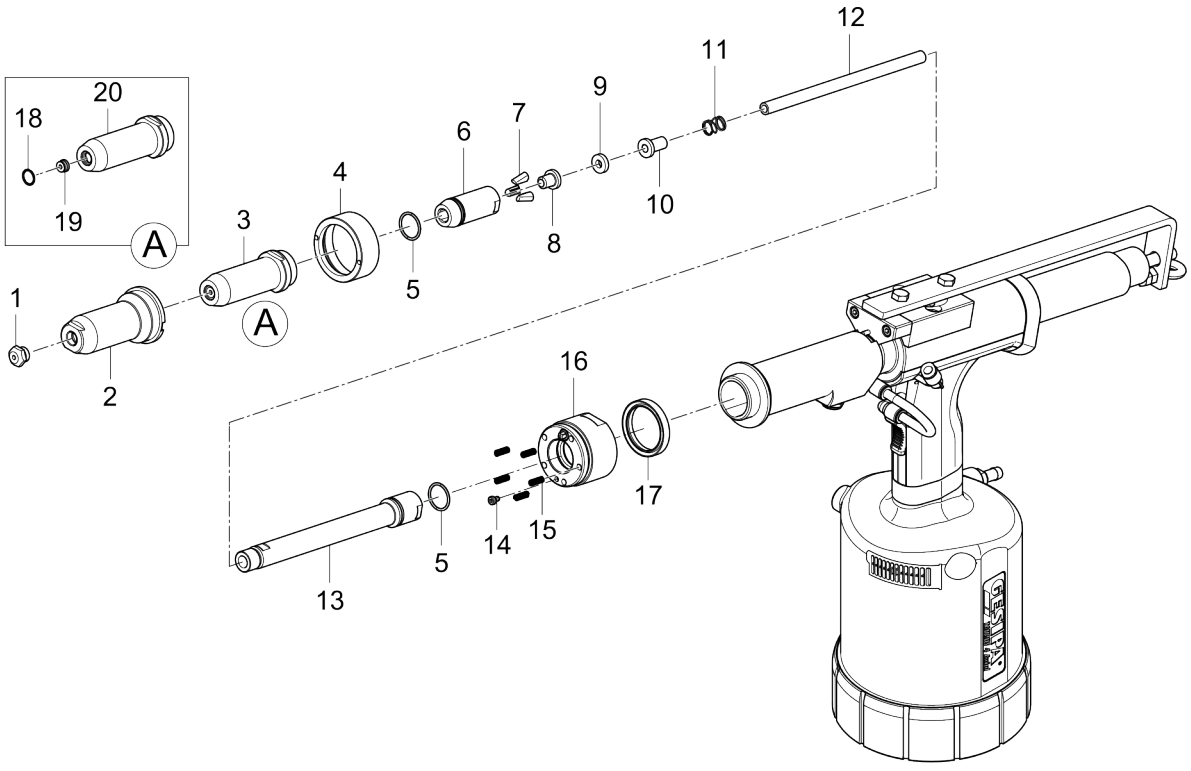
*** Wearing parts**

Spring loaded trigger system for Taurus® 1-4 Axial

No. 145 7683 (T1)
No. 145 7796 (T2)
No. 145 7894 (T3)
No. 145 0982 (T4)

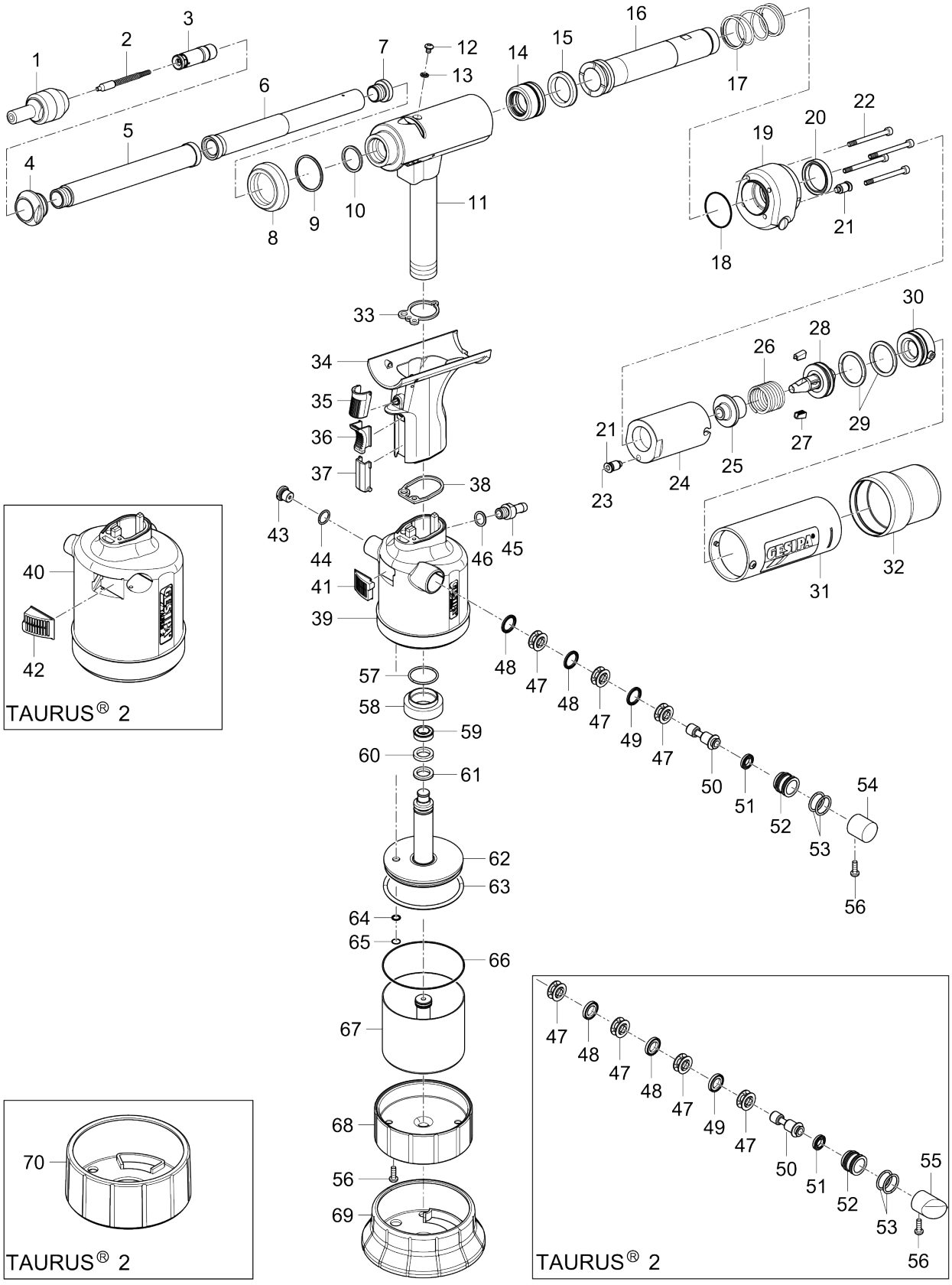
		No.	
1 *	T1	143 5591	Nosepiece 17/18 AV
		143 4990	Nosepiece 17/20 AV
		143 4991	Nosepiece 17/22 AV
	T2	143 5592	Nosepiece 17/24 AV
		143 5593	Nosepiece 17/27 AV
		143 5594	Nosepiece 17/29 AV
		143 5595	Nosepiece 17/32 AV
	T3, T4	143 5596	Nosepiece 17/36 AV
		143 5597	Nosepiece 17/40 AV
		143 5598	Nosepiece 17/45 AV
2		143 5466	Steel head sleeve
3	T1	145 0887	Support sleeve AV complete
	T2	145 0943	Support sleeve AV complete
	T3, T4	145 0978	Support sleeve AV complete
4		143 5499	Union nut
5 *		144 6012	O ring
6 *		143 6002	Jaw housing
7 *		143 5568	Jaws, 3 parts
8 *	T1	143 5507	Jaw pusher 1
	T2	143 5768	Jaw pusher 2
	T3, T4	143 6000	Jaw pusher 4

		No.	
9		143 5999	Damping ring 4
10	T1	143 5509	Centre part 1
	T2	143 5769	Centre part 2
	T3, T4	143 6001	Centre part 4
11 *		146 3064	Spring
12	T1	143 5867	Adapter 1
	T2	143 5862	Adapter 2
	T3, T4	143 5868	Adapter 3
13		143 5863	Adapter 150mm
14		144 6097	Cylinder screw
15 *		144 5994	Spring
16		145 0947	Valve body complete
17		143 5866	Rod seal
18		144 6010	Snap ring
19 *	T1	143 5599	Nosepiece Ø 2,5
	T2	143 5600	Nosepiece Ø 3,2
	T3, T4	143 5601	Nosepiece Ø 4,5
20		143 5467	Support sleeve



*** Wearing parts**

TAURUS® 1 Speed Rivet / TAURUS® 2 Speed Rivet



No. 145 7684 (T1)
No. 145 7833 (T2)

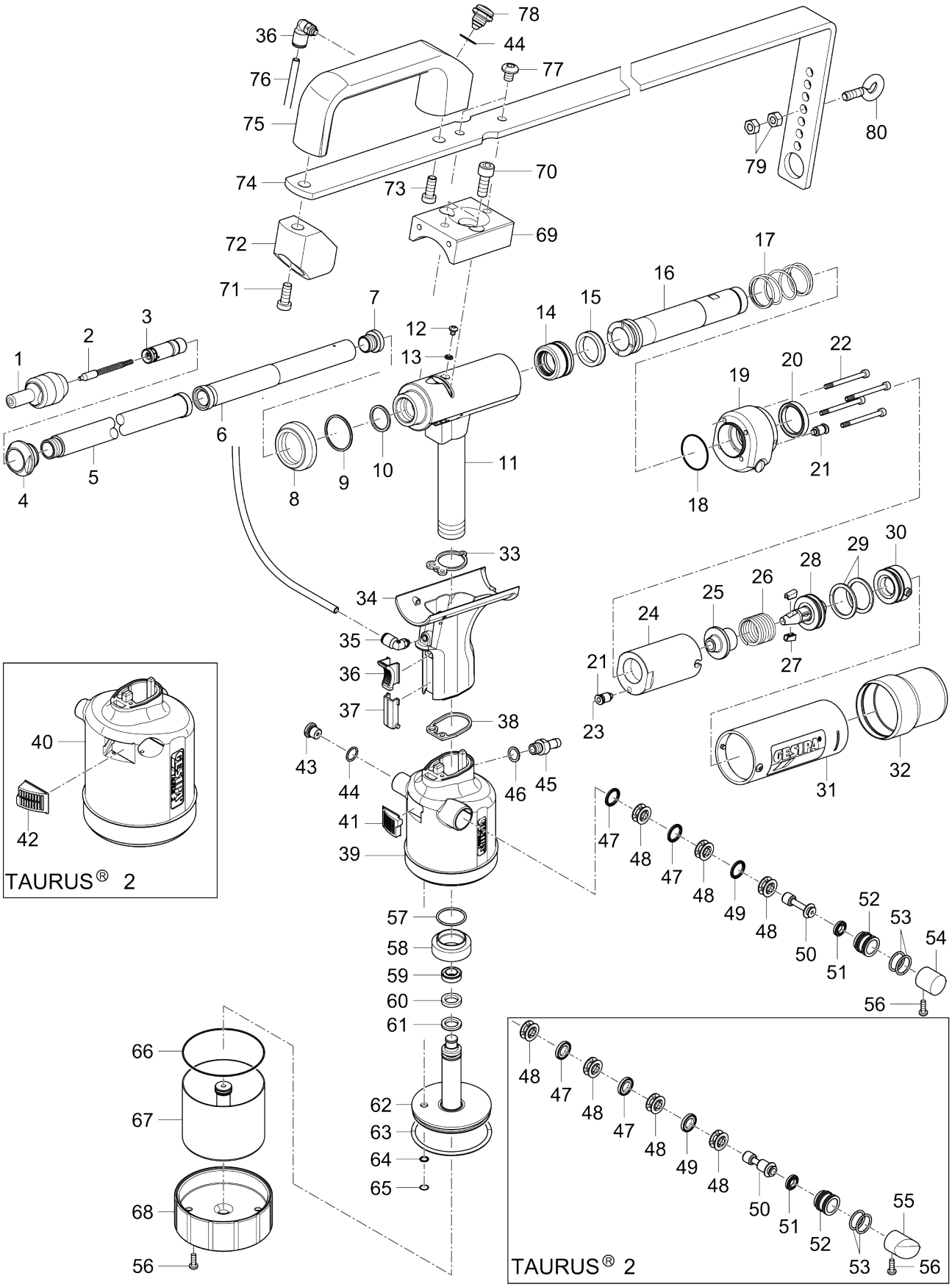
		No.	
1 *		145 7753	Spreader nosepiece 3,2 complete
		145 7754	Spreader nosepiece 4,0 complete
		145 7755	Spreader nosepiece 4,8 complete
		145 7756	Spreader nosepiece 3,2 extended complete
		145 7757	Spreader nosepiece 4,0 extended complete
		145 7758	Spreader nosepiece 4,8 extended complete
		145 0906	Spreader nosepiece 3,2 with opening mechanism complete
		145 0907	Spreader nosepiece 4,0 with opening mechanism complete
		145 0908	Spreader nosepiece 4,8 with opening mechanism complete
		145 0909	Spreader nosepiece 3,2 extended with opening mechanismcomplete
		145 0910	Spreader nosepiece 4,0 extended with opening mechanismcomplete
		145 0911	Spreader nosepiece 4,8 extended with opening mechanismcomplete
2 *		145 7759	Spring 3,2 complete
		145 7761	Spring 4,0 complete
		145 7763	Spring 4,8 complete
		145 7760	Spring 3,2 extended complete
		145 7762	Spring 4,0 extended complete
		145 7764	Spring 4,8 extended complete
3 *		145 0918	Slideretainer complete
4		143 5705	Locator for guide tube SR
5 *		143 5710	Guide tube 2 SR
6 *		143 5709	Guide tube 1 SR
7		143 5712	End screw SR
8		143 5952	Ring
9		143 4266	O ring
10		143 4462	O ring
11	**T1**	145 0919	Tool head 1 SR, assembled
	T2	145 0937	Tool head 2 SR, assembled
12		144 6013	Oil screw
13		143 5612	Sealing ring M4
14 *		145 7765	Oil piston complete
15 *		143 5723	Piston seal
16		143 5722	Pull tube SR
17		143 5721	Spring
18		144 6053	O ring
19		146 4433	Connection block complete
20 *		144 6051	Rod seal
21		144 6049	Screw connection
22		144 5970	Cylinder screw
23		144 6045	Compressed air hose
24		143 5702	Clamp housing
25		143 5704	Pressure sleeve
26		143 5699	Compression spring
27 *		143 5701	Jaws
28		145 7766	Jaw guide complete
29 *		144 6052	O ring
30		145 0920	Cover complete
31		145 0921	Protective tube complete

		No.	
32		143 5714	Protective cap
33 *		143 5472	Flat gasket 1
34		145 0922	Grip complete
35		144 6025	Activation button
36		143 5642	Slider
37		143 6169	Orifice
38 *		143 5480	Flat gasket 2
39	**T1**	145 0923	Air cylinder SR 1 complete
40	**T2**	145 0938	Air cylinder SR 2 complete
41	**T1**	151 5051	Silencer 1
42	**T2**	144 6088	Silencer 2
43		145 7750	Pressure relief valve complete
44		143 5484	O ring
45		143 5667	Connecting nipple
46		144 6030	Sealing ring
47		143 5648	Spacer cage
48		143 5647	Rod seal
49		143 6248	Washer
50		143 6187	Control piston
51 *		143 5675	Piston seal
52		143 5652	Piston housing
53		143 5688	O ring
54	**T1**	144 6026	Stopper 1
	T2	144 6073	Stopper 2
55		144 6089	Screw
56		144 5773	Housing screw short
57		143 5486	O ring
58		143 5492	Al nut
59 *	**T1**	143 5658	Piston seal
	T2	143 5841	Piston seal
60 *	**T1**	143 5657	Guide ring 1
	T2	143 5825	Guide ring 2
61 *	**T1**	143 5656	Piston seal
	T2	143 5670	Piston seal
62	**T1**	145 7751	Air piston 1 complete
	T2	145 7860	Air piston 2 complete
63 *	**T1**	143 5660	O ring
	T2	143 5834	O ring
64 *	**T1**	143 5659	Rod seal
	T2	143 5635	Rod seal
65	**T1**	144 6027	Snap ring
	T2	144 6082	V ring
66	**T1**	143 5680	O ring
	T2	143 5839	O ring
67	**T1**	145 7752	Cylinder 1 complete
	T2	145 7861	Cylinder 2 complete
68	**T1**	143 5508	Bottom 1
	T2	143 5761	Bottom 2
69	**T1**	143 6394	Rubber foot 1
70	**T2**	143 6371	Rubber foot 2
		144 5294	Hydraulic oil refill bottle, 100 ml

*** Wearing parts**

150

TAURUS® 1 & 2 Speed Rivet Axial eco



No. 145 7692 (T1)
No. 145 0931 (T2)

		No.	
1 *		145 7753	Spreader nosepiece 3,2 complete
		145 7754	Spreader nosepiece 4,0 complete
		145 7755	Spreader nosepiece 4,8 complete
		145 7756	Spreader nosepiece 3,2 extended complete
		145 7757	Spreader nosepiece 4,0 extended complete
		145 7758	Spreader nosepiece 4,8 extended complete
		145 0906	Spreader nosepiece 3,2 with opening mechanism complete
		145 0907	Spreader nosepiece 4,0 with opening mechanism complete
		145 0908	Spreader nosepiece 4,8 with opening mechanism complete
		145 0909	Spreader nosepiece 3,2 extended with opening mechanism complete
		145 0910	Spreader nosepiece 4,0 extended with opening mechanism complete
		145 0911	Spreader nosepiece 4,8 extended with opening mechanism complete
2 *		145 7759	Spring 3,2 complete
		145 7761	Spring 4,0 complete
		145 7763	Spring 4,8 complete
		145 7760	Spring 3,2 extended complete
		145 7762	Spring 4,0 extended complete
		145 7764	Spring 4,8 extended complete
3 *		145 0918	Slideretainer complete
4		143 5705	Locator for guide tube SR
5 *		143 5710	Guide tube SR
		143 5685	Guide tube long SR
6 *		143 5709	Guide tube SR
7		143 5712	End screw SR
8		143 5952	Ring
9		143 4266	O ring
10		143 4462	O ring
11	**T1**	145 0924	Tool head 1 SR, assembled
	T2	145 0940	Tool head 2 SR, assembled
12		144 6013	Oil screw
13		143 5612	Sealing ring M4
14 *		145 7765	Oil piston complete
15 *		143 5723	Piston seal
16		143 5722	Pull tube SR
17		143 5721	Spring
18		144 6053	O ring
19		146 4433	Connection block complete
20 *		144 6051	Rod seal
21		144 6049	Screw connection
22		144 5970	Cylinder screw
23		144 6045	Compressed air hose
24		143 5702	Clamp housing
25		143 5704	Pressure sleeve
26		143 5699	Compression spring
27		143 5701	Jaws
28		145 7766	Jaw guide complete
29 *		144 6052	O ring
30		145 0920	Cover complete
31		145 0921	Protective tube complete
32		143 5714	Protective cap
33 *		143 5472	Flat gasket 1
34		145 0925	Grip complete
35		144 6230	Hose connector
36		143 5642	Slider
37		143 6169	Orifice
38 *		143 5480	Flat gasket 2
39	**T1**	145 0923	Air cylinder SR 1 complete
40	**T2**	145 0938	Air cylinder SR 2 complete
41	**T1**	151 5051	Silencer 1
42	**T2**	144 6088	Silencer 2
43		145 7750	Pressure relief valve complete
44		143 5484	O ring
45		143 5667	Connecting nipple
46		144 6030	Sealing ring
47		143 5648	Spacer cage
48		143 5647	Rod seal
49		143 6248	Washer
50		143 6187	Control piston
51		143 5675	Piston seal
52		143 5652	Piston housing
53		143 5688	O ring
54		144 6026	Stopper 1
		144 6073	Stopper 2
55		144 6089	Screw
56		144 5773	Housing screw short
57		143 5486	O ring
58		143 5492	Al nut
59 *	**T1**	143 5658	Piston seal
	T2	143 5841	Piston seal
60 *	**T1**	143 5657	Guide ring 1
	T2	143 5825	Guide ring 2
61 *	**T1**	143 5656	Piston seal
	T2	143 5670	Piston seal
62	**T1**	145 7751	Air piston 1 complete
	T2	145 7860	Air piston 2 complete
63 *	**T1**	143 5660	O ring
	T2	143 5834	O ring
64 *	**T1**	143 5659	Rod seal
	T2	143 5635	Rod seal
65	**T1**	144 6027	Snap ring
	T2	144 6082	V ring
66	**T1**	143 5680	O ring
	T2	143 5839	O ring
67	**T1**	145 7752	Cylinder 1 complete
	T2	145 7861	Cylinder 2 complete
68	**T1**	143 5508	Bottom 1
	T2	143 5761	Bottom 2
69		143 5538	Holder
70		144 5630	Cylinder screw
71		144 6085	Cylinder screw
72		143 5684	Holder
73		144 6042	Cylinder screw
74		143 5682	Hanger
		143 5683	Hanger long
75		143 5575	Grip
76		144 6134	Hose
77		144 6087	Screw
78		145 6753	Valve complete
79		144 5262	Nut
80		144 5342	Eye screw
		144 5294	Hydraulic oil refill bottle, 100 ml

*** Wearing parts**

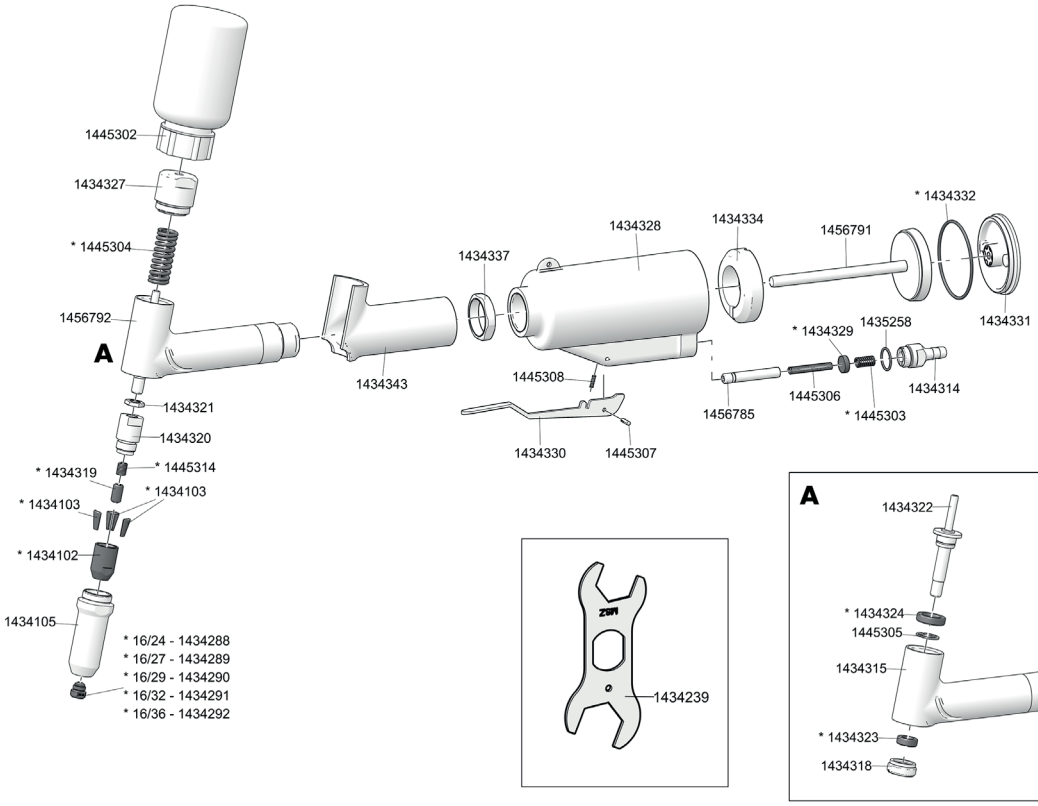
150

PH 2

No. 145 6771

No.	
143 4102*	Jaw housing
143 4103*	Jaws (3 parts)
143 4105*	Steel head sleeve
143 4288*	Nosepiece 16/24
143 4289*	Nosepiece 16/27
143 4290*	Nosepiece 16/29
143 4291*	Nosepiece 16/32
143 4292*	Nosepiece 16/36
143 4315	Tool head
143 4318*	Piston guide with wiper
143 4319*	Jaw pusher
143 4320	Jaw adapter
143 4321	Nut
143 4322	Piston
143 4323*	K-Seal
143 4324*	K-Seal
143 4325	Sealing ring holder
143 4326*	K-Seal
143 4327	End screw
143 4328	Tool body
143 4329*	Valve spud

No.	
143 4330	Release lever
143 4331	End cap complete
143 4332*	Roand cord packing ring
143 4334	Buffer ring
143 4337	Locking nut
143 4343	Plastic grip
143 5258	Sealing ring
143 5262	Jaw pusher with reducing tube for thin mandrels Ø up to 2.3 mm
144 5302	Spent mandrel container
144 5303*	Compression spring
144 5304*	Return spring
144 5305	Snap ring
144 5306	Valve spring
144 5307	Grooved pin
144 5308	Compression spring
144 5314*	Compression spring
145 6780	Hydraulic oil refill bottle 250 ml
145 6784	Hose fitting with sealing ring
145 6785	Valve tube
145 6791	Air piston complete
145 6792	Tool head Assembly



*** Wearing parts**

You will find spare part kits from page 403

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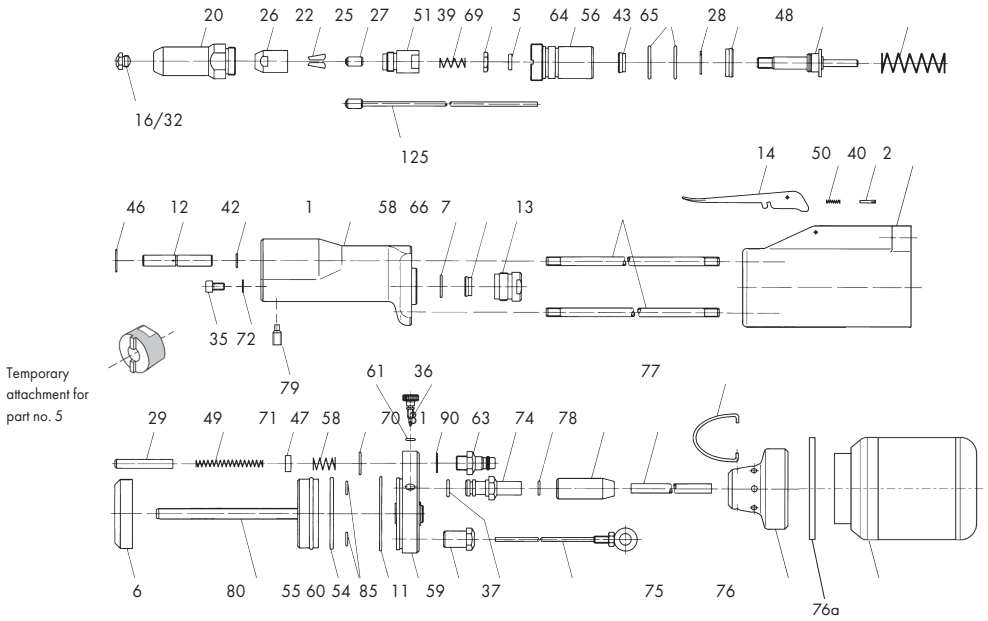
PH Axial

No. 145 8063

	No.	
1	143 6115	Tool head
2	143 6117	Tool body
5	145 8066	Piston guide with wiper Nr. 69
	143 6114	Temporary attachment for part no. 5
6	143 6118	Damping ring
7	143 6119	Sealing ring mount
11	143 6123	Connection screw
12	143 6124	Guide tube
13	143 6125	Draw bar
14	143 6126	Release lever
16/24 *	143 4288	Nosepiece
16/27 *	143 4289	Nosepiece
16/29 *	143 4290	Nosepiece
16/32 *	143 4291	Nosepiece
16/36 *	143 4292	Nosepiece
20	143 4105	Steel head sleeve
22 *	143 4103	Jaws (3 parts)
25 *	143 4319	Jaw pusher
26 *	143 4102	Jaw housing
27	143 4320	Jaw adapter
28	143 4322	Piston
29	145 6785	Valve tube
31	144 6166	Connection plug
35	144 5700	Cylinder screw (together)
36	143 5257	Valve screw
37	143 6132	Eye bolt with assembly mandrel
39	143 4321	Nut
40	144 5307	Grooved pin
42	144 6167	Snap ring
43	144 5305	Snap ring
46	144 6168	Supporting washer
47	143 6133	Compression spring
48 *	144 5304	Return spring

	No.	
49	144 5306	Valve spring
50	144 5308	Compression spring
51 *	144 5314	Compression spring
54	143 6135	O ring
55	143 6134	O ring
56	143 6136	O ring
58	143 4497	O ring
59	143 6137	O ring
60	143 6116	Rod seal
61	143 5256	O ring
63	143 6138	O ring
64 *	143 4323	K-Seal
65 *	143 4324	K-Seal
66 *	143 4326	K-Seal
69	143 6139	Wiper
70	144 6169	Sealing ring
71 *	143 4329	Valve spud
72	143 6140	USIT Ring
74	145 8068	Union with O-ring no. 63
75 **	143 6141	Adapter
76 **	144 6164	Spent mandrel container
76 a	143 6142	Impact washer
77 **	144 5265	Suspension bracket
78	143 6143	Drain hose (1.5 m long)
79	144 5819	Stud bolt
80	145 8070	Air piston complete with no. 55 and 60
85	145 8071	End cap complete
90	145 8072	Screw-in nozzle complete
95	145 8073	Hydraulic seal kit with part no. 54, 56, 58, 64, 65, 66
100	145 8074	Pneumatic seal kit for air piston no. 80 with part no. 54, 55, 60
125 *	143 6130	Jaw pusher with reducing tube for blind rivets up to 4 mm Ø and Al and Cu
	145 6780	Hydraulic oil refill bottle 250 ml



*** Wearing parts**
** Special accessoire

You will find spare part kits from page 403

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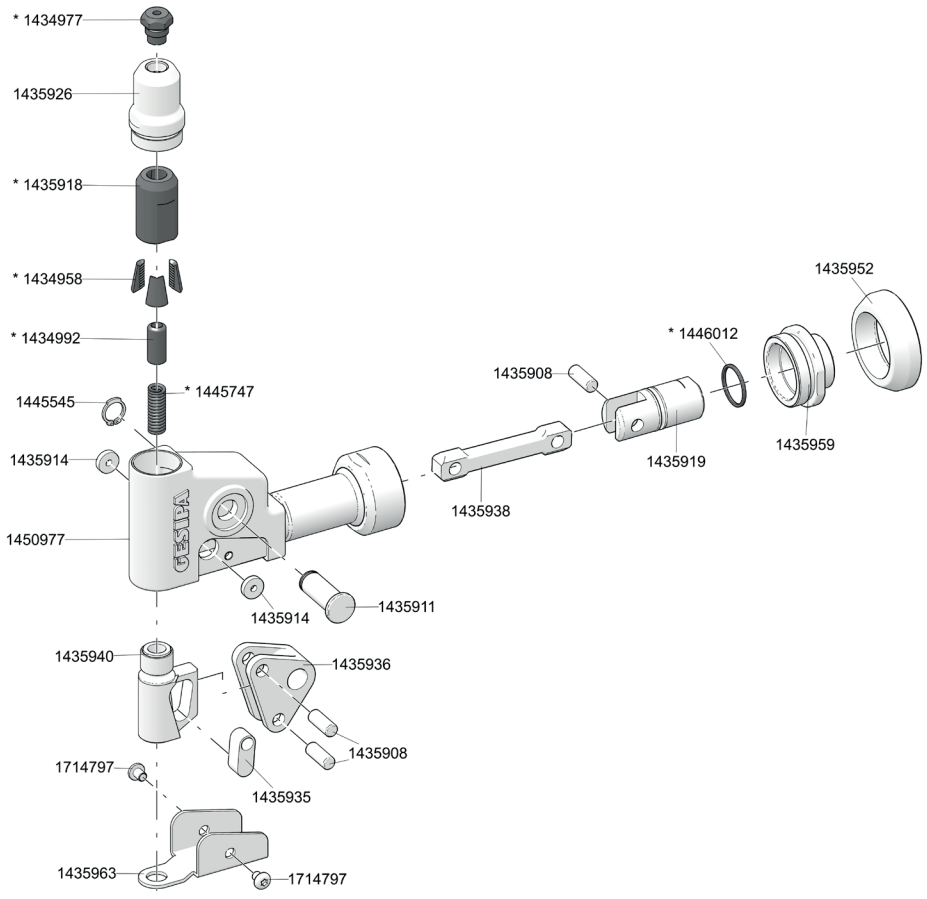
Angle head 90° compact for TAURUS® 1-2

No. 145 7921

No.	
143 4958*	Jaws 3 parts
143 4977*	Nosepiece 17/36
143 4992*	Jaw pusher
143 5908	Bolt
143 5911	Axis bolt
143 5914	Spacer
143 5918*	Jaw housing
143 5919	Fork head
143 5926	Steel head sleeve
143 5935	Coupler
143 5936	Angle
143 5938	Lock activator
143 5940	Lock activator
143 5952	Ring
143 5959	Adapter
143 5963	Predecting cap
144 5545	Snap ring
144 5747*	Spring
144 6012*	O ring
171 4797	Screw
145 0977	Housing

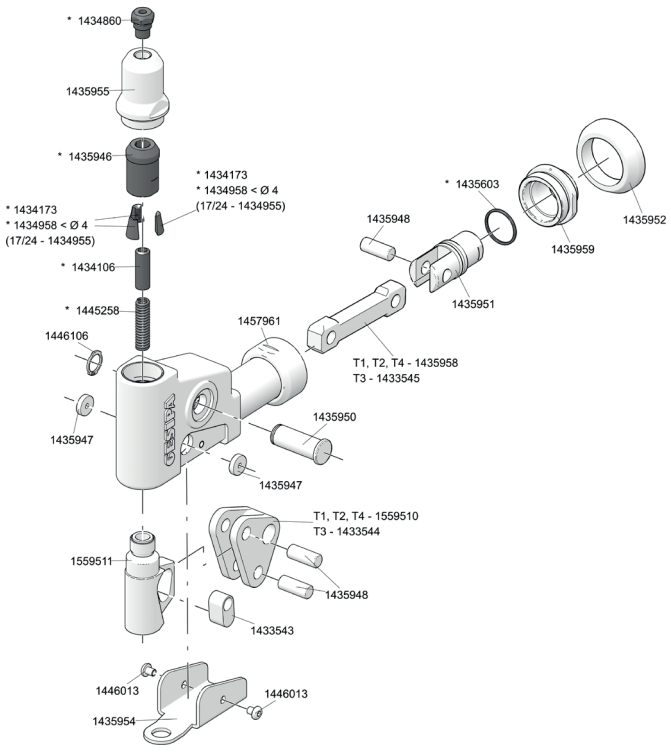


* Wearing parts

Angle head 90° for TAURUS® 1, 2, 4 & TAURUS® 3

No. 155 9513 (T1,2,4)
No. 155 9512 (T3)

No.		
143 3543		Coupler
143 3544	**T3**	Angle
143 3545	**T3**	Lock activator
143 4106*		Jaw pusher
143 4173*		Jaws, 3 parts
143 4860*		Nosepiece 17/45 for Angle head
143 4958*		Jaws, 3 parts until rivetØ 4mm (Nosepiece 17/24)
143 5603*		O ring
143 5946*		Jaw housing
143 5947		Spacer
143 5948		Bolt
143 5950		Axis bolt
143 5951		Fork head
143 5952		Ring
143 5954		Predecting cap
143 5955		Steel head sleeve
143 5958	**T1, T2, T4**	Lock activator
143 5959		Adapter
144 5258*		Spring
144 6013		Screw
144 6106		Snap ring
145 7961		Housing
155 9510	**T1, T2, T4**	Angle
155 9511		Lock activator



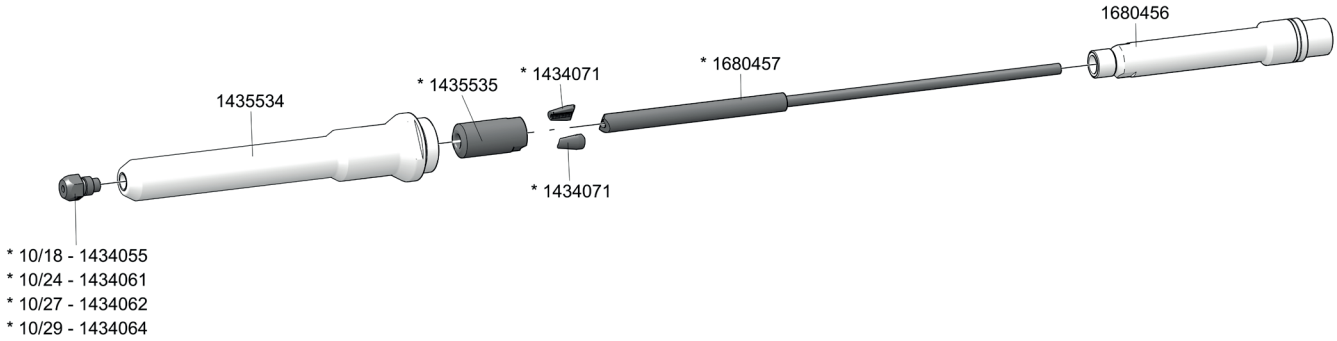
*** Wearing parts**

Accessories for TAURUS® blind riveting tools

Small jaw assembly for TAURUS® 1 & 2

	No.	
T1, T2	1434055*	Nosepiece 10/18
T1, T2	1434061*	Nosepiece 10/24
T2	1434062*	Nosepiece 10/27
T1, T2	1434071*	Jaws 2 parts
T2	1434464*	Nosepiece 10/29
T1, T2	1435534	Steel head sleeve
T1, T2	1435535*	Jaw housing
T1	1435536*	Jaw pusher
T2	1435791*	Jaw pusher

* Wearing parts

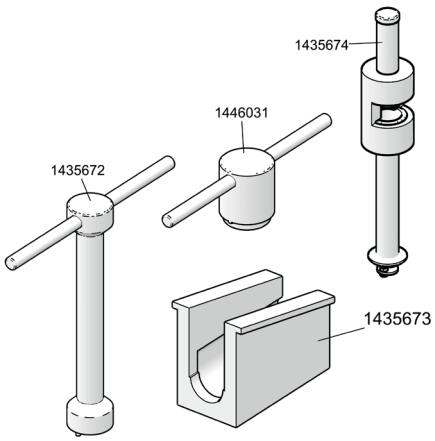


Repair tools

No. 145 7735

No.	
143 5672*	Allen key
143 5673	Clamp element for Taurus tool hea[d]
143 5674*	Assembly device
144 6031*	Slot wrench

*These tools are also suitable for FireFox® 1 F - 2

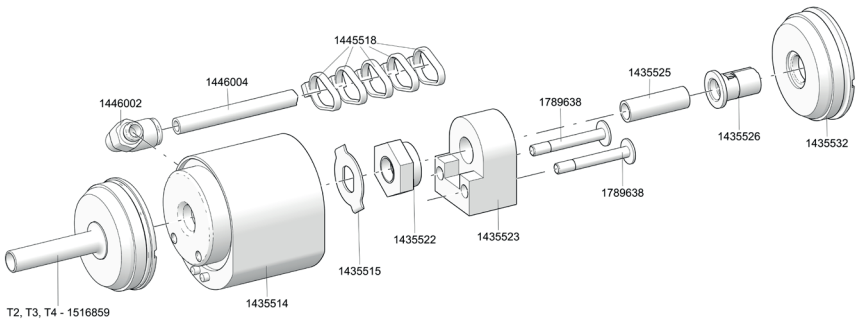


Rivet counter sensor changeover set for TAURUS® 1-4

for TAURUS® 1 **No. 145 7698**

for TAURUS® 2-4 **No. 151 6858**

	No.	
	143 5514	Housing
	143 5515	Washer
	143 5522	Nut
	143 5523	Ring sensor
	143 5525	Tube
	143 5526	Connecting piece
	143 5532	End cap
	144 5518	Cable tie
	144 6002	Screw connection
	144 6004	Hose
T2, T3, T4	151 6859	End cap complete
	178 9638	Screw



Conversion kit spent mandrel container PH 2000

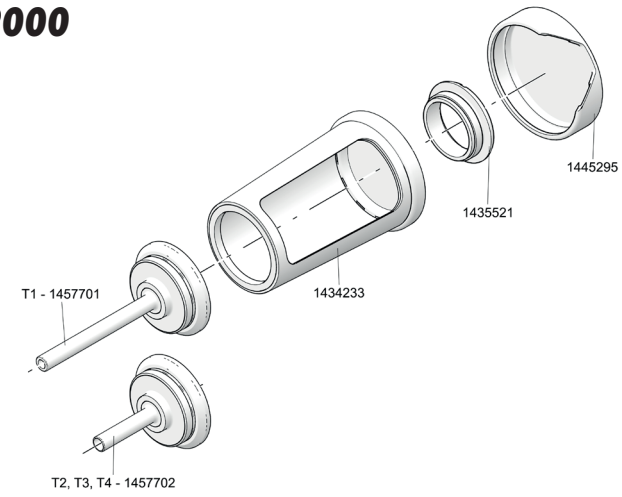
for TAURUS® 1:

No. 145 7700

for TAURUS® 2,3,4:

No. 145 7703

No.	
143 4233	Spent mandrel container
143 5521	Cover
144 5295	Air deflector
145 7701	End cap T 1, complete
145 7702	End cap T2, 3 and 4, complete



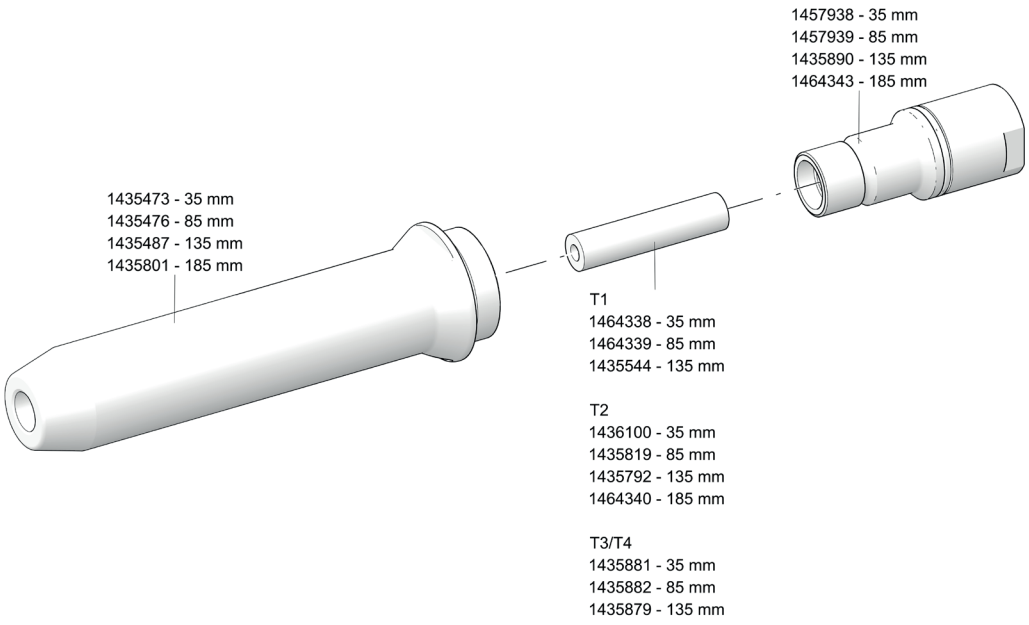
Accessories for TAURUS® blind riveting tools

One-piece extension units - TAURUS® 1-4

for TAURUS® 1	**+35 mm:**	**No. 146 4345**
for TAURUS® 1	**+85 mm:**	**No. 146 4346**
for TAURUS® 1	**+135 mm:**	**No. 146 4347**
for TAURUS® 2	**+35 mm:**	**No. 145 8042**
for TAURUS® 2	**+85 mm:**	**No. 146 4350**
for TAURUS® 2	**+135 mm:**	**No. 146 4351**
for TAURUS® 2	**+185 mm:**	**No. 146 4352**
for TAURUS® 3 and 4	**+35 mm:**	**No. 145 7932**
for TAURUS® 3 and 4	**+85 mm:**	**No. 145 7933**
for TAURUS® 3 and 4	**+135 mm:**	**No. 145 7937**

		No.	
TAURUS® 1	**+35 mm**	143 5473	Steel head sleeve
		145 7938	Adapter
		146 4338	Extension piece
	+85 mm	143 5476	Steel head sleeve
		145 7939	Adapter
		146 4339	Extension piece
	+135 mm	143 5487	Steel head sleeve
		143 5890	Adapter
		143 5544	Extension piece
TAURUS® 2	**+35 mm**	143 5473	Steel head sleeve
		145 7938	Adapter
		143 6100	Extension piece
	+85 mm	143 5476	Steel head sleeve
		145 7939	Adapter
		143 5819	Extension piece
	+135 mm	143 5487	Steel head sleeve
		143 5890	Adapter
		143 5792	Extension piece
	+185 mm	143 5801	Steel head sleeve
		146 4343	Adapter
		146 4340	Extension piece

		No.	
TAURUS® 3 - 4	**+35 mm**	143 5473	Steel head sleeve
		145 7938	Adapter
		143 5881	Jaw pusher
	+85 mm	143 5476	Steel head sleeve
		145 7939	Adapter
		143 5882	Jaw pusher
	+135 mm	143 5487	Steel head sleeve
		143 5890	Adapter
		143 5879	Jaw pusher

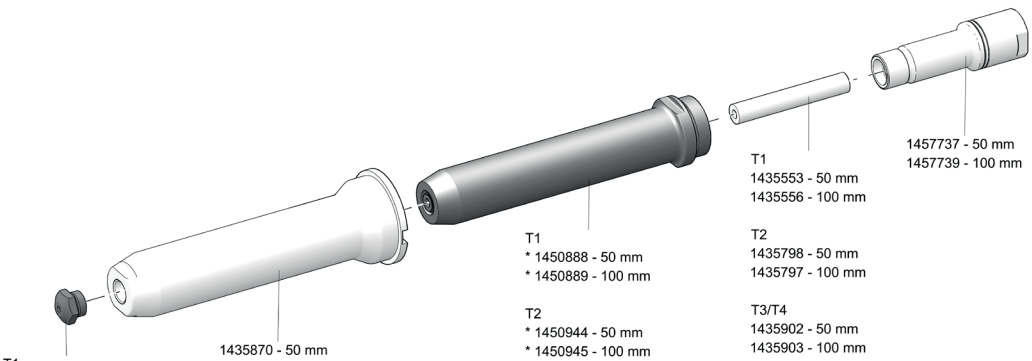


More-piece extension units - TAURUS® 1-4 with spring loaded trigger system

for TAURUS® 1 50 mm: No. 145 0880
for TAURUS® 1 100 mm: No. 145 7727
for TAURUS® 2 50 mm: No. 145 7857
for TAURUS® 2 100 mm: No. 145 7858
for TAURUS® 3 and 4 50 mm: No. 145 7959
for TAURUS® 3 and 4 100 mm: No. 145 7960

		No.	
TAURUS® 1	50 mm	*143 5591	Nosepiece 17/18 AV
		*143 4990	Nosepiece 17/20 AV
		*143 4991	Nosepiece 17/22 AV
		143 5870	Steel head sleeve AV
		*145 0888	Support sleeve AV complete
		145 7737	Adapter complete
		143 5553	Extension piece 1
	100 mm	*143 5591	Nosepiece 17/18 AV
		*143 4990	Nosepiece 17/20 AV
		*143 4991	Nosepiece 17/22 AV
		143 5872	Steel head sleeve AV
		*145 0889	Support sleeve AV complete
		145 7739	Adapter complete
		143 5556	Extension piece 1
TAURUS® 2	50 mm	*143 5592	Nosepiece 17/24 AV
		*143 5593	Nosepiece 17/27 AV
		*143 5594	Nosepiece 17/29 AV
		*143 5595	Nosepiece 17/32 AV
		143 5870	Steel head sleeve AV
		*145 0944	Support sleeve AV complete
		145 7737	Adapter complete
		143 5798	Extension piece 2

		No.	
TAURUS® 2	100 mm	*143 5592	Nosepiece 17/24 AV
		*143 5593	Nosepiece 17/27 AV
		*143 5594	Nosepiece 17/29 AV
		*143 5595	Nosepiece 17/32 AV
		143 5872	Steel head sleeve AV
		*145 0945	Support sleeve AV complete
		145 7739	Adapter complete
		143 5797	Extension piece 2
TAURUS® 3 - 4	50 mm	*143 5596	Nosepiece 17/36 AV
		*143 5597	Nosepiece 17/40 AV
		*143 5598	Nosepiece 17/45 AV
		143 5870	Steel head sleeve AV
		*145 0979	Support sleeve AV complete
		145 7737	Adapter complete
		143 5902	Extension piece 3/4
	100 mm	*143 5596	Nosepiece 17/36 AV
		*143 5597	Nosepiece 17/40 AV
		*143 5598	Nosepiece 17/45 AV
		143 5872	Steel head sleeve AV
		*145 0980	Support sleeve AV complete
		145 7739	Adapter complete
		143 5903	Extension piece 3/4



T1
* 1435591 - 17/18 AV
* 1434990 - 17/20 AV
* 1434991 - 17/22 AV

T2
* 1435592 - 17/24 AV
* 1435593 - 17/27 AV
* 1435594 - 17/29 AV
* 1435595 - 17/32 AV

T3/T4
* 1435596 - 17/36 AV
* 1435597 - 17/40 AV
* 1435598 - 17/45 AV

*** Wearing parts**

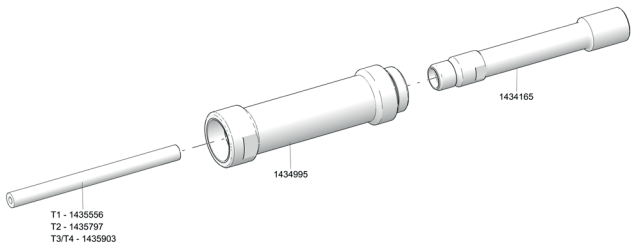
Accessories for hydro-pneumatic setting tools

Multi-piece extension units - TAURUS® 1-4

arbitrary extension of the tool head in 100 mm steps

for TAURUS® 1: No. 145 7743
for TAURUS® 2: No. 145 7848
for TAURUS® 3 and 4: No. 145 7947

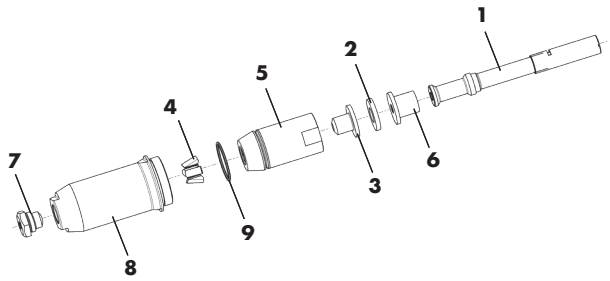
	No.	
TAURUS® 1	143 4995	Extension sleeve
	143 4165	Extension piece
	143 5556	Extension piece
TAURUS® 2	143 4995	Extension sleeve
	143 4165	Extension piece
	143 5797	Extension piece
TAURUS® 3 - 4	143 4995	Extension sleeve
	143 4165	Extension piece
	143 5903	Extension piece



Heads for TAURUS® 5-6 - for 7,8mm (5/16") TIBULB Structure rivet

No. 145 8008

	No.	
1	145 8016	Nozzle tube, complete
2	143 6064	Damping ring
3 *	143 6068	Jaw pusher
4 *	178 1774	Jaws
5 *	143 6070	Jaw housing
6	143 6069	Centre part
7 *	143 6067	Nosepiece 18/53
8	143 6059	Steel head sleeve
9 *	143 6044	O ring

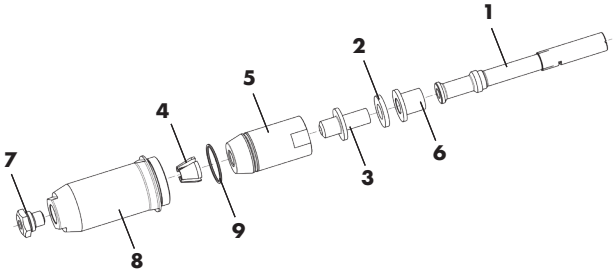


* Wearing parts

Heads for TAURUS® 5-6 - for 9,8mm (3/8") Magna-Lok® Structure rivet

No. 145 8009

	No.	
1	143 6065	Nozzle tube, complete
2	143 6064	Damping ring
3 *	143 6061	Jaw pusher
4 *	143 6066	Jaws, 3 parts
5 *	143 6063	Jaw housing
6	143 6062	Centre part
7 *	143 6060	Nosepiece 18/63
8	143 6059	Steel head sleeve
9 *	143 6044	O ring

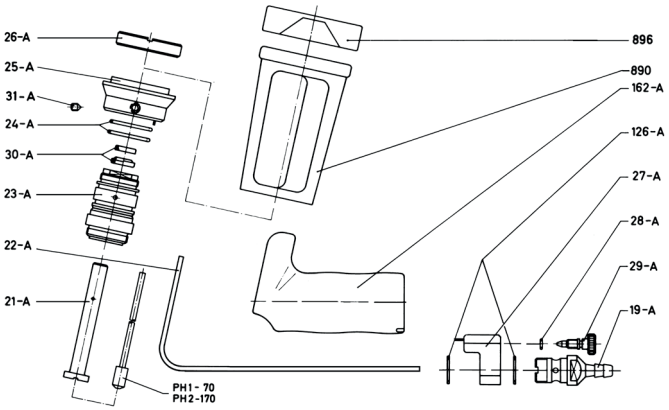


* Wearing parts

VAS for PH 1 and PH 2

No. 145 7579

	No.	
19-A	143 5248	Connecting nipple
21-A	143 5249	Nozzle tube
22-A *	143 5250	Plastic tube
23-A	143 5251	Connection screw complete with 24-A and 30-A
24-A *	143 5252	O-ring set
25-A	143 5253	Connection ring complete with 31-A and nipple
26-A	143 5254	Slotted nut
27-A	143 5255	Valve body with hose adapter
28-A *	143 5256	O-ring
29-A	143 5257	Valve screw
30-A *	143 5259	Scraper ring set
31-A	144 5828	Locking screw
126-A *	143 5258	Sealing ring
162-A	143 5260	Plastic grip
890	143 4233	Spent mandrel container complete
896	144 5295	Air deflector
70	143 5261	PH 1 jaw pusher with reducing tube for thin mandrels up to 2.3 mm Ø
71	143 4270	PH 1 jaw pusher with reducing tube for thin mandrels up to 3.2 mm Ø
170	143 5262	PH 2 jaw pusher with reducing tube for thin mandrels up to 2.3 mm Ø

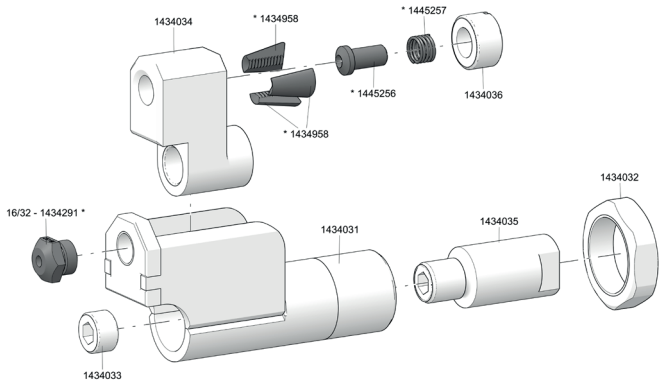


* Wearing parts

Angle head for PH 2

No. 145 6612

No.	
1434031	Housing
1434032	Knurled nut
1434033	Locking nut
1434034	Jaw housing
1434035	Lock activator
1434036	End screw
1434285*	Nosepiece 16/18
1434288*	Nosepiece 16/24
1434289*	Nosepiece 16/27
1434290*	Nosepiece 16/29
1434291*	Nosepiece 16/32
1434958*	Jaws
1445256*	Jaw pusher
1445257*	Compression spring



* Wearing parts

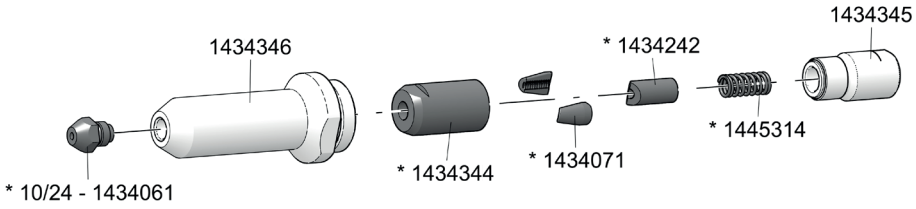
Accessories for hydro-pneumatic setting tools

Small jaw assembly for PH 2

No. 145 6783

No.	
143 4071*	Jaws (2 parts)
143 4242*	Jaw pusher
143 4061*	Nosepiece 10/24
143 4345	Jaw adapter
144 5314*	Compression spring
143 4346	Steel head sleeve
143 4344*	Jaw housing

* Wearing parts

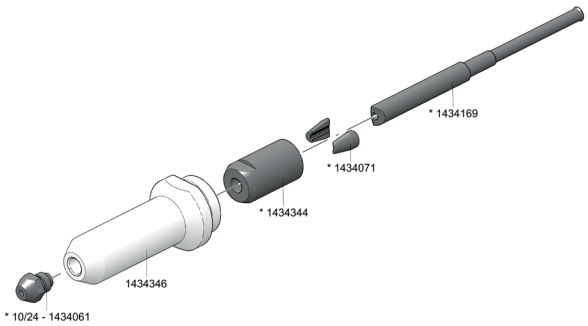


Small jaw assembly for PH 2000

No. 143 4234

No.	
143 4071*	Jaws (2 parts)
143 4061	Nosepiece 10/24
143 4346	Steel head sleeve
143 4344*	Jaw housing
143 4169*	Jaw pusher with Nozzle tube

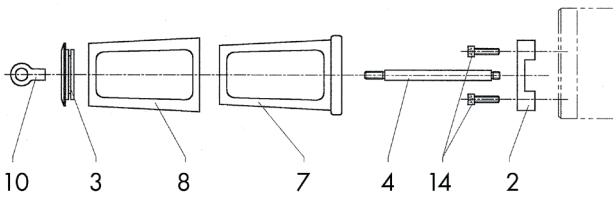
* Wearing parts



Spent mandrel container for PH-Axial - while stocks last

No. 145 8065

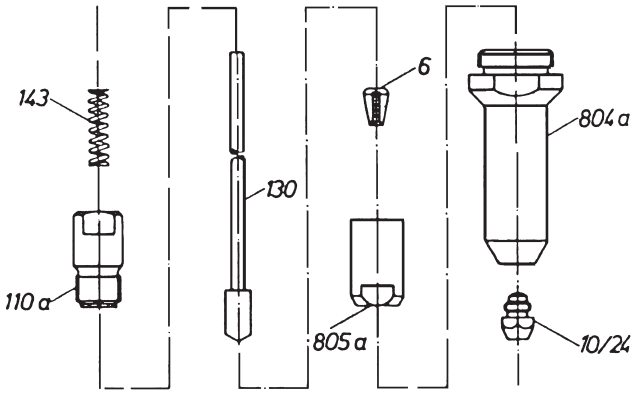
	No.	
2	143 6120	Adapter
3	143 6121	Cover
4	143 6122	Stud bolt
7	143 6127	Container
8	143 6128	Casing
10	143 6129	Ring eye M 6
14	144 6165	Cylinder screw
	145 8065	Spent mandrel container, complete for PH-Axial



Small jaw assembly for PH-Axial

No. 145 8075

	No.	
298	145 8075	Small jaw assembly complete with nosepiece 10/24 (optionally also with 10/18, 10/27, 10/29, 10/32)
6 *	143 4071	Jaws (2-part) per set
10/18 *	143 4055	Nosepiece
10/24 *	143 4061	Nosepiece
10/27 *	143 4062	Nosepiece
10/29 *	143 4064	Nosepiece
10/32 *	143 4065	Nosepiece
110 a	143 4345	Jaw adapter
143 *	144 5314	Compression spring
804 a	143 4346	Head
805 a *	143 4344	Jaw housing
130 *	143 6131	Jaw pusher with reducing tube for blind rivets up to 4 mm Ø and Al and Cu

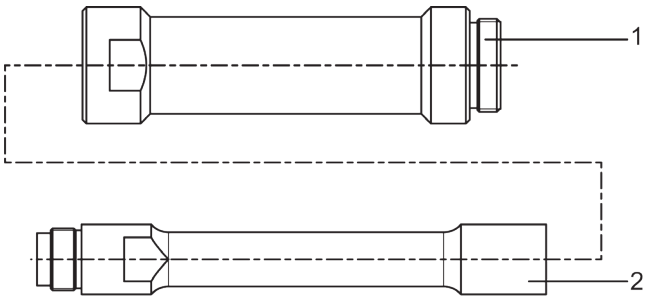


* Wearing parts

PH2 two-part extension unit 100 mm

No. 145 6779

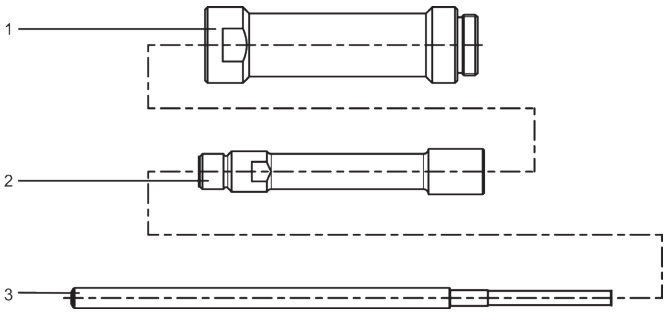
	No.	
1	143 4164	Extension sleeve
2	143 4166	Extension piece



PH 2000 three-part extension unit 100 mm

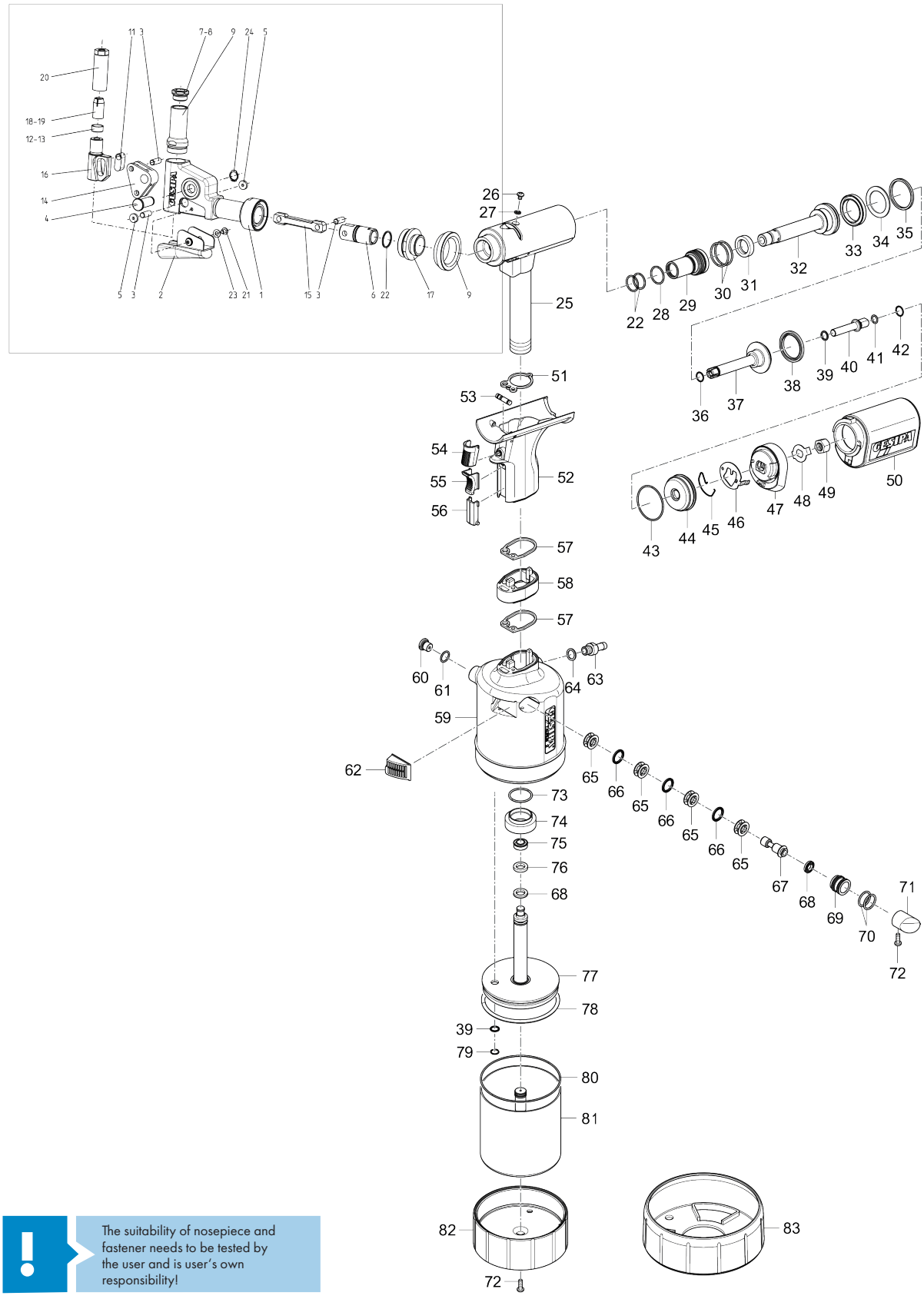
No. 145 6765

	No.	
1	143 4164	Extension sleeve
2	143 4165	Extension piece
3	143 4170	Jaw pusher with Nozzle tube



TAURUS® 4 SRB with Angle head 90° compact

for 6,4mm (1/4") C6L and Magna-Grip® Lockbolts



The suitability of nosepiece and fastener needs to be tested by the user and is user's own responsibility!

No. 145 7990 (Magna-Grip®)
No. 145 7989 (C6L)

	No.	
1	145 0977	Housing unit
2	145 0970	Predecting cap complete
3	143 5908	Bolt
4	143 5911	Bolt
5	143 5914	Spacer
6	143 5919	Fork head
7	143 5993	Nosepiece C6L
8	143 5942	Nosepiece Magna-Grip®
9	143 5952	Ring
10	143 5994	Steel head sleeve
11	143 5935	Piece
12	143 5943	Supporting ring C6L
13	143 5995	Supporting ring Magna-Grip®
14	143 5936	Angle
15	143 5938	Lock activator
16	143 5996	Lock activator
17	143 5959	Adapter
18	144 6116	Insertion tool C6L
19	144 6105	Insertion tool Magna-Grip®
20	143 5997	Housing
21	144 6013	Screw
22	144 6012	O ring
23	144 5716	Washer
24	144 5545	Snap ring
25	145 7992	Tool head, assembled
26	144 6013	Oil screw
27	143 5612	Sealing ring M4
28 *	143 5629	O ring
29	143 5681	Seal holder complete
30 *	143 4227	O ring
31 *	143 5630	Rod seal
32	143 5631	Draw bar
33 *	143 5632	Piston seal
34 *	143 5488	Supporting ring
35 *	143 5485	Piston seal
36	143 5671	O ring
37	145 7746	Resetting piston complete
38 *	143 5633	Piston seal
39	143 5635	Rod seal
40	143 5765	Connecting piece
41	143 5519	O ring
42	144 6167	Snap ring

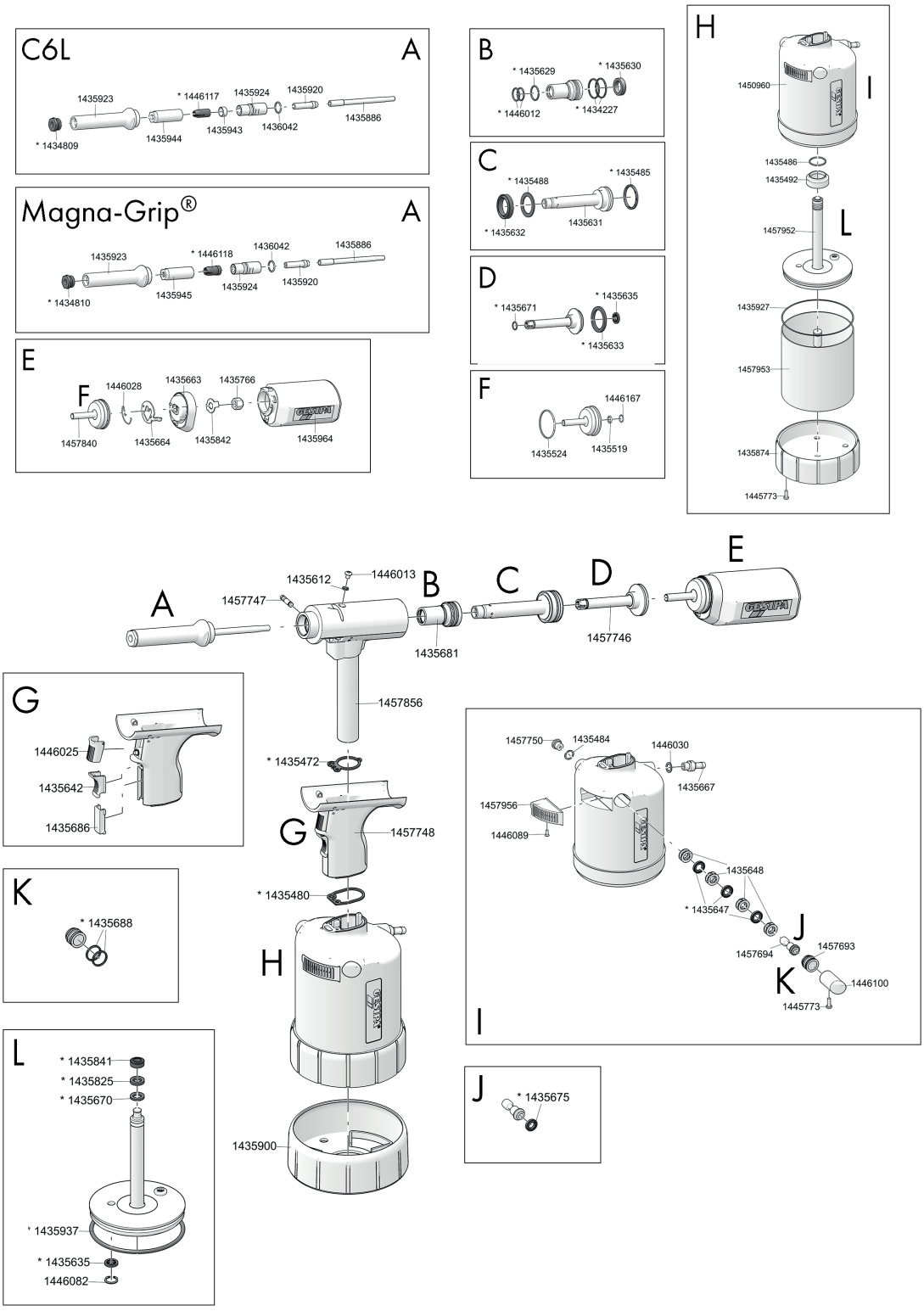
	No.	
43	143 5524	O ring
44	143 5532	End cap
45	144 6028	Retaining spring
46	143 5664	Retainer
47	143 5663	Adapter
48	143 5842	Washer
49	143 5766	Connecting piece nut
50	143 5964	Spent mandrel container complete
51 *	143 5472	Flat gasket 1
52	145 7748	Grip complete
53	145 7747	Distributing valve complete
54	144 6025	Activation button
55	143 5642	Slider
56	143 5686	Orifice
57 *	143 5480	Flat gasket
58	143 5998	Grip extension
59	145 7993	Air cylinder complete
60	145 7750	Pressure relief valve complete
61	143 5484	O ring
62	145 7956	Silencer
63	143 5667	Connecting nipple
64	144 6030	Sealing ring
65	143 5648	Spacer cage
66	143 5647	Rod seal
67	143 5651	Control piston
68 *	143 5675	Piston seal
69	143 5652	Piston housing
70	143 5688	O ring
71	144 6100	Stopper
72	144 5773	Housing screw
73	143 5486	O ring
74	143 5492	Al nut
75 *	143 6007	Piston seal
76 *	143 6006	Guide ring
77	145 7994	Air piston complete
78 *	143 5937	O ring
79	144 6082	V ring
80	143 5927	O ring
81	145 7995	Cylinder complete
82	143 5874	Bottom
83	143 5900	Rubber foot

* Wearing parts

The suitability of nosepiece and fastener needs to be tested by the user and is user's own responsibility!

TAURUS® 3 SRB

for 4,8mm (3/16") C6L and Magna-Grip® Lockbolts



The suitability of nosepiece and fastener needs to be tested by the user and is user's own responsibility!

No. 145 0953 (Magna-Grip®)
No. 145 0952 (C6L)

No.	
*1434227	O ring
*1434809	Nosepiece for SRB C6L 4.8 Huck
*1434810	Nosepiece for SRB Magna-Grip 4.8 Huck
*1435472	Flat gasket
*1435480	Flat gasket
1435484	O ring
*1435485	Piston Seal
1435486	O ring
*1435488	Supporting ring
1435492	Al nut
1435519	O ring
1435524	O ring
1435612	Sealing ring
*1435629	O ring
*1435630	Rod seal
1435631	Draw bar
*1435632	Piston seal
*1435633	Piston seal
*1435635	Rod seal
1435642	Slider
*1435647	Rod seal
1435648	Spacer cage
1435663	Adapter
1435664	Retainer
1435667	Connecting nipple
*1435670	Piston seal
*1435671	O ring
1435681	Seal holder
1435686	Orifice
*1435688	O ring
1435766	Connecting piece nut
*1435825	Guide ring
*1435841	Piston seal
1435842	Washer
1435874	Bottom

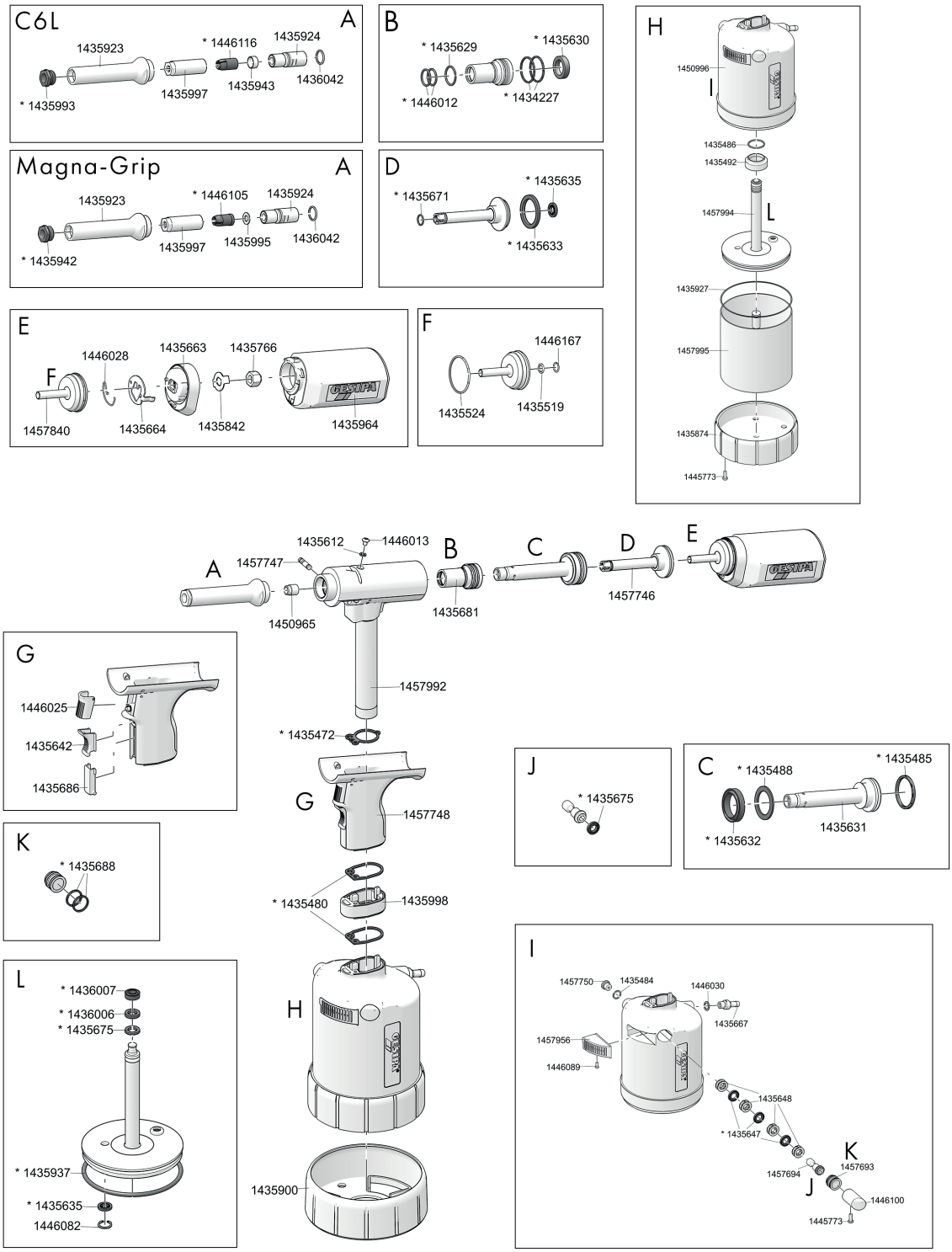
No.	
1435886	Nozzle tube
1435900	Rubber foot
1435920	Sleeve
1435923	Steel head sleeve SRB Huck
1435924	Adapter
1435927	O ring
1435937	O ring
1435943	Support sleeve C6L 4,8/6,4
1435944	Clamping jaw tool housing Huck
1435945	Clamping jaw tool housing Huck
1435964	Spent mandrel container
1436042	O ring
1445773	PT-Screw
*1446012	O ring
1446013	Screw
1446025	Activation button
1446028	Retaining spring
1446030	Sealing ring
1446082	Snap ring
1446089	Screw
1446100	Stopper
*1446117	Clamping jaw tool Huck C6L
*1446118	Clamping jaw tool Huck Magna-Grip
1446167	Snap ring
1450960	Air cylinder 3 SRB
1457693	Piston housing
1457694	Control piston
1457746	Resetting piston
1457747	Distributing valve
1457748	Grip
1457750	Pressure relief valve
1457840	End cap
1457856	Tool head
1457952	Air piston
1457953	Cylinder
1457956	Silencer

* Wearing parts

The suitability of nosepiece and fastener needs to be tested by the user and is user's own responsibility!

TAURUS® 4 SRB

for 6,4mm (1/4") C6L and Magna-Grip® Lockbolts



The suitability of nosepiece and fastener needs to be tested by the user and is user's own responsibility!

No. 145 0986 (Magna-Grip®)
No. 145 0985 (C6L)

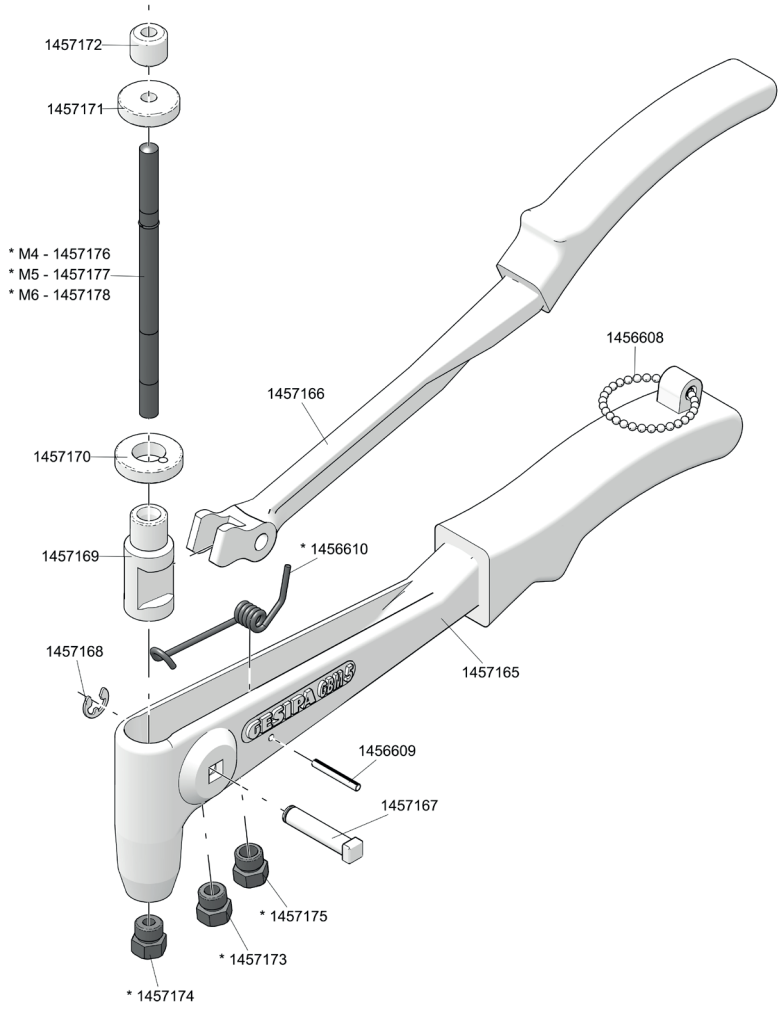
No.	
*1434227	O ring
*1435472	Flat gasket
*1435480	Flat gasket
1435484	O ring
1435486	O ring
1435492	Al nut
1435519	O ring
1435524	O ring
1435612	Sealing ring
*1435629	O ring
*1435630	Rod seal
*1435633	Piston seal
*1435635	Rod seal
1435642	Slider
*1435647	Rod seal
1435648	Spacer cage
1435663	Adapter
1435664	Retainer
1435667	Connecting nipple
*1435671	O ring
*1435675	Piston seal
1435675	Piston seal
1435681	Seal holder
1435686	Orifice
*1435688	O ring
1435766	Connecting piece nut
1435842	Washer
1435874	Bottom
1435900	Rubber foot
1435923	Steel head sleeve SRB Huck
1435924	Adapter
1435927	O ring
1435937	O ring
*1435942	Nosepiece for Magna-Grip Ø6.4
1435943	Support sleeve C6L 4,8/6,4

No.	
1435964	Spent mandrel container
*1435993	Nosepiece for SRB C6L 6.4 Huck
1435995	Supporting ring
1435997	Clamping jaw tool housing
1435998	Grip extension
*1436006	Guide ring
*1436007	Piston seal
1436042	O ring
1445773	PT-Screw
1445773	PT-Screw
*1446012	O ring
1446013	Screw
1446025	Activation button
1446028	Retaining spring
1446030	Sealing ring
1446082	Snap ring
1446089	Screw
1446100	Stopper
*1446105	Clamping jaw tool Huck
*1446116	Clamping jaw tool Huck
1446167	Snap ring
1450965	Spacer sleeve
1450996	Air cylinder
1457693	Piston housing
1457694	Control piston
1457746	Resetting piston
1457747	Distributing valve
1457748	Grip
1457750	Pressure relief valve
1457840	End cap
1457956	Silencer
1457992	Tool head
1457994	Air piston
1457995	Cylinder

* Wearing parts

The suitability of nosepiece and fastener needs to be tested by the user and is user's own responsibility!

No.	
145 7165	Tool housing
145 7166	Tool shanks
145 7167	Bolt
145 7168	Snap ring
145 6608	Strap
145 6609	Spring dowel sleeve
145 6610*	Self opening spring
145 7170	Adjusting ring
145 7171	Knurled nut
145 7172	Locking nut
145 7173*	Nosepiece M 4
145 7174*	Nosepiece M 5
145 7175*	Nosepiece M 6
145 7176*	Threaded mandrel M 4
145 7177*	Threaded mandrel M 5
145 7178*	Threaded mandrel M 6

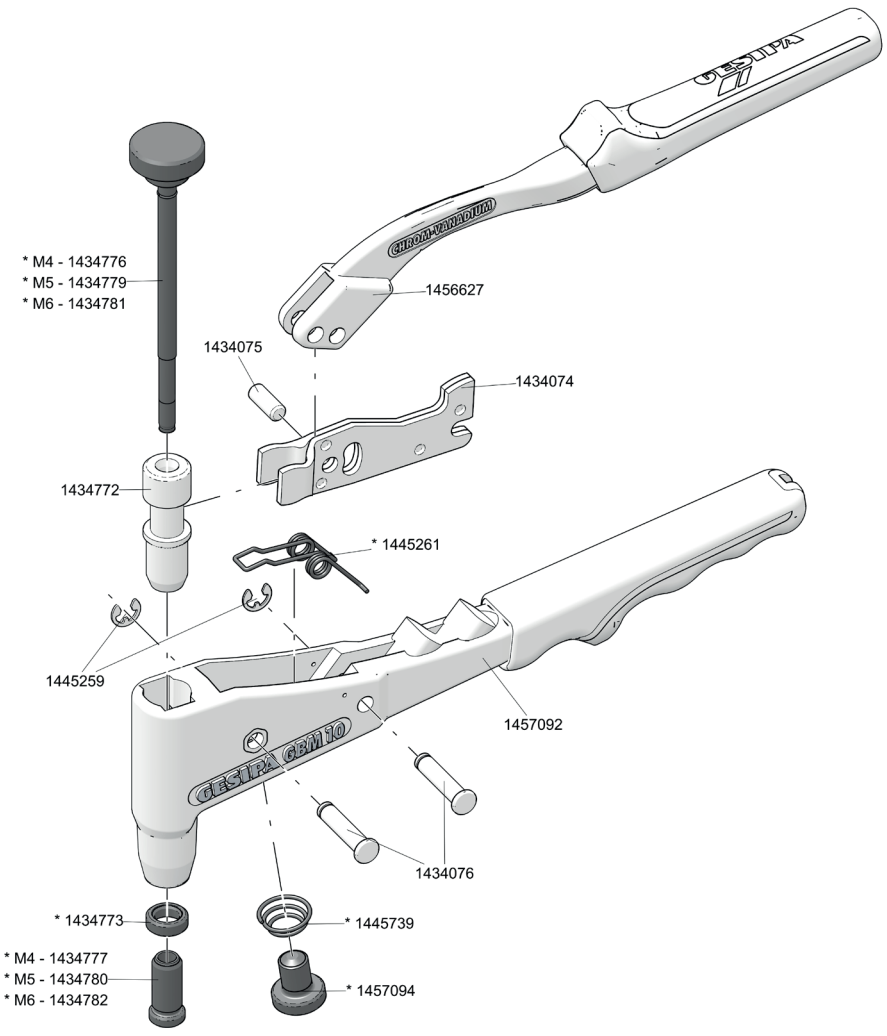


*** Wearing parts**

GBM 10

No. 143 4761 (M5)
No. 145 7087 (M4)
No. 145 7088 (M6)

No.	
143 4074	Lever
143 4075	Bolt
143 4076	Bolt
143 4772	Lock activator
143 4773*	Locking nut
143 4776*	Threaded mandrel M 4
143 4777*	Nosepiece M 4 and 8-32''
143 4779*	Threaded mandrel M 5
143 4780*	Nosepiece M 5 and 10-32''
143 4781*	Threaded mandrel M 6
143 4782*	Nosepiece M 6 and 1/4 -20''
144 5259	Snap ring
144 5261*	Self opening spring
144 5739*	Conical spring
145 6627	Tool shanks with Sleeve grip
145 7092	Tool Housing with slide block, lever and grip
145 7094	Stop screw



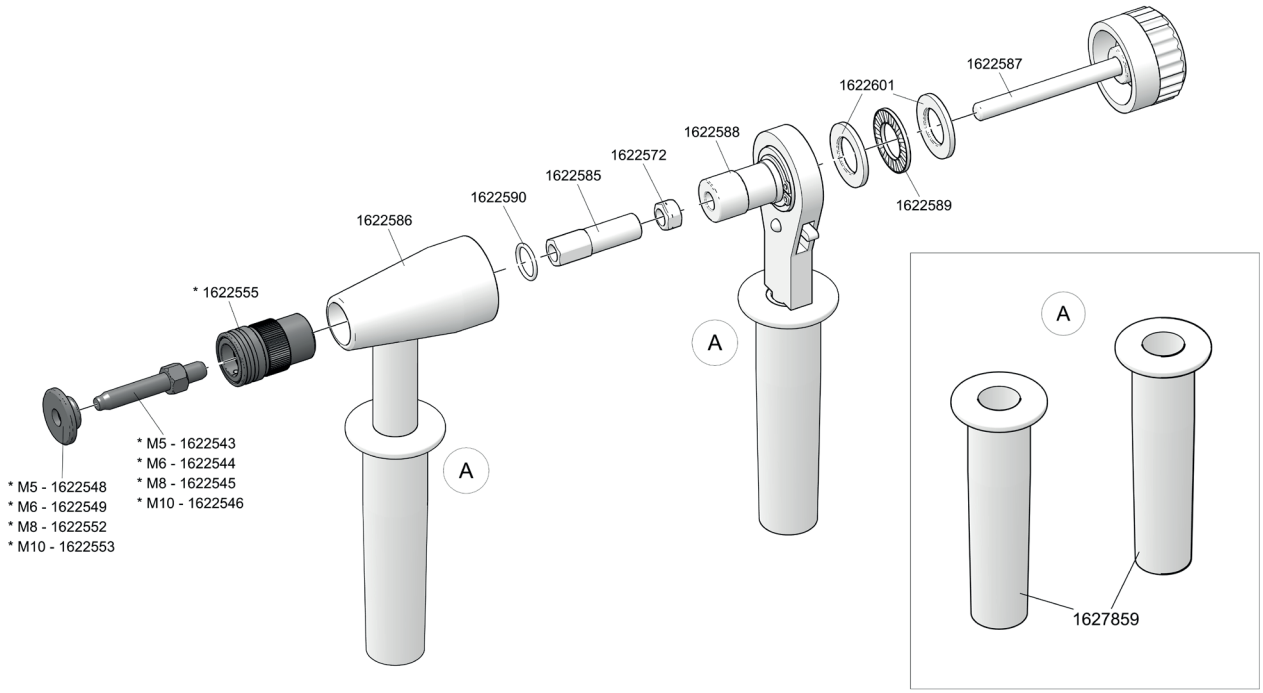
*** Wearing parts**

GBM 40-R

No. 161 9731

No.	
162 2543*	Threaded mandrel M5
162 2544*	Threaded mandrel M6
162 2545*	Threaded mandrel M8
162 2546*	Threaded mandrel M10
162 2548*	Nosepiece-bit M5
162 2549*	Nosepiece-bit M6
162 2552*	Nosepiece-bit M8
162 2553*	Nosepiece-bit M10
162 2555*	Nosepiece complete

No.	
162 2572	Locking nut
162 2585	Connecting sleeve
162 2586	Housing with slide block, lever and grip
162 2587	Turning handle
162 2588	Ratchet with Sleeve grip
162 2589	Needle bearing
162 7859	Sleeve grip
162 2590	O ring
162 2601	Sliding disc



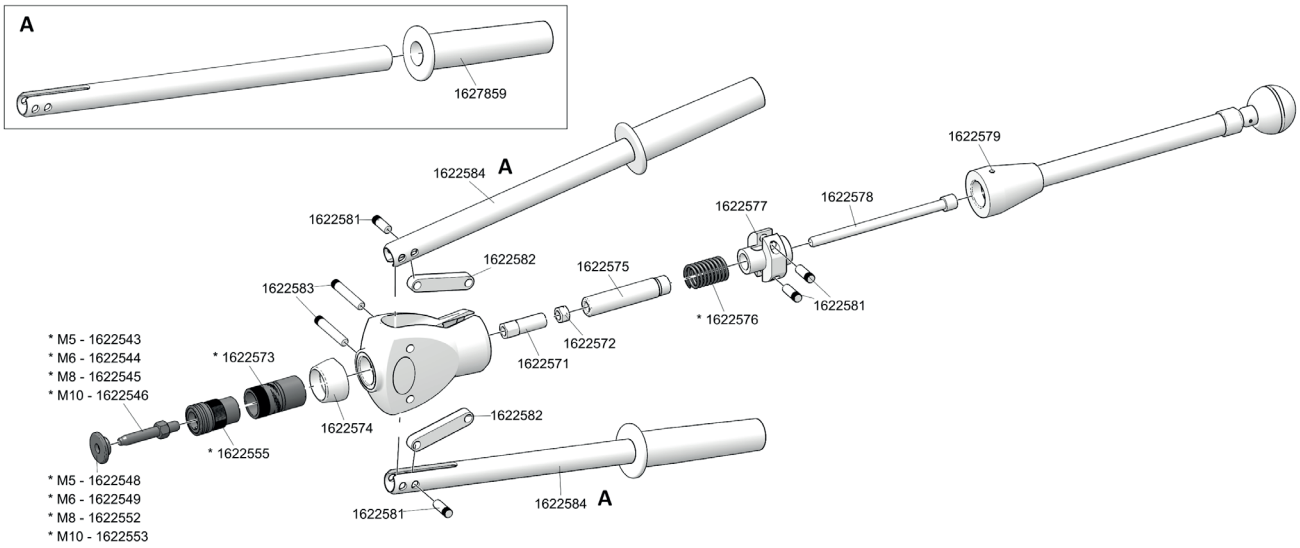
*** Wearing parts**

GBM 50

No. 161 9730

No.	
162 2543*	Threaded mandrel M5
162 2544*	Threaded mandrel M6
162 2545*	Threaded mandrel M8
162 2546*	Threaded mandrel M10
162 2548*	Nosepiece-bit M5
162 2549*	Nosepiece-bit M6
162 2552*	Nosepiece-bit M8
162 2553*	Nosepiece-bit M10
162 2555*	Nosepiece complete
162 2571	Connecting sleeve
162 2572	Locking nut
162 2573*	Adjusting sleeve

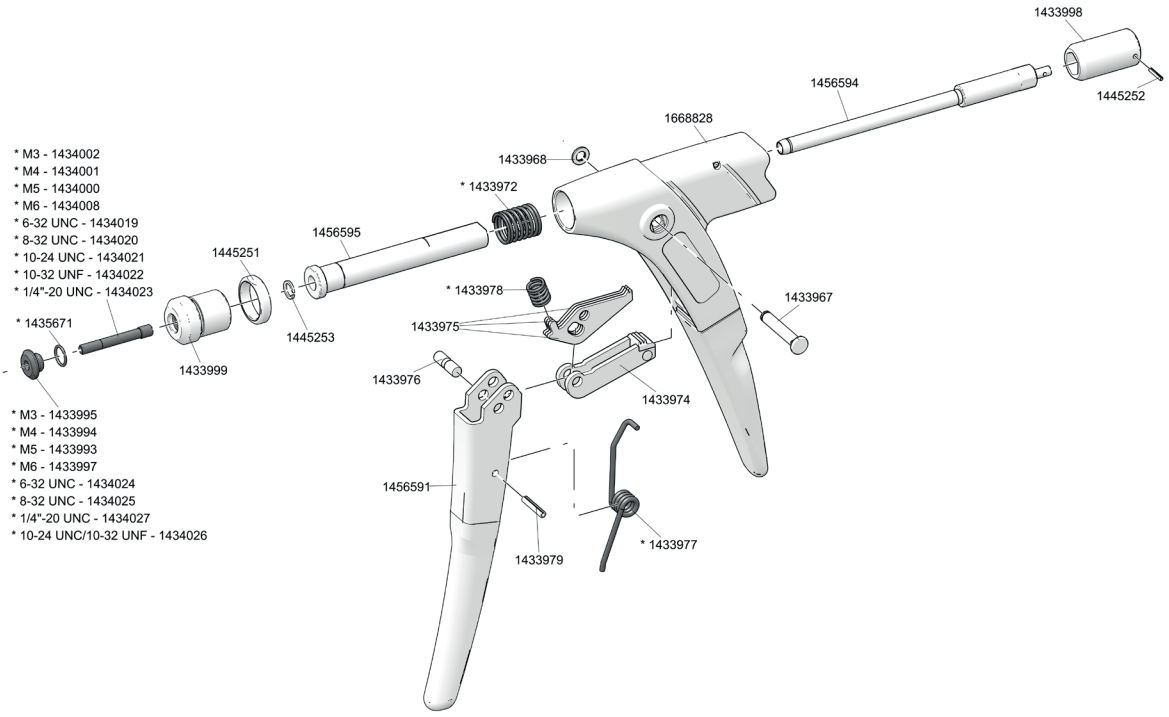
No.	
162 2574	Steel head sleeve
162 2575	Guide sleeve
162 2576*	Spring
162 2577	End screw
162 2578	Shaft
162 2579	Shaft complete
162 2581	Bolt
162 2582	Radial bearing
162 2583	Bolt
162 2584	Lever with Sleeve grip
162 6916	Threaded mandrel M3
162 7859	Sleeve grip



*** Wearing parts**

No.	
143 3967	Pivot bolt
143 3968	Snap ring
143 3972*	Return spring
143 3974	Drive pawl
143 3975	Storage finger (3-part) per set
143 3976	Bolt
143 3977*	Self opening spring
143 3978*	Retaining spring
143 3979	Spring dowel sleeve
143 3993*	Nosepiece - Bit M5
143 3994*	Nosepiece - Bit M4
143 3995*	Nosepiece - Bit M3
143 3997*	Nosepiece - Bit M6
143 3998	Knurled handle
143 3999*	Nosepiece
143 4000*	Threaded mandrel M5
143 4001*	Threaded mandrel M4
143 4002*	Threaded mandrel M3

No.	
143 4008*	Threaded mandrel M6
143 4019*	Threaded mandrel 6-32 UNC
143 4020*	Threaded mandrel 8-32 UNC
143 4021*	Threaded mandrel 10-24 UNC
143 4022*	Threaded mandrel 10-32 UNF
143 4023*	Threaded mandrel 1/4*-20 UNC
143 4024*	Nosepiece - Bit 6-32 UNC
143 4025*	Nosepiece - Bit 8-32 UNC
143 4026*	Nosepiece - Bit 10-24 UNC/10-32 UNF
143 4027*	Nosepiece - Bit 1/4*-20 UNC
143 5671	O ring
144 5251	Knurled nut
144 5252	Clamping sleeve
144 5253	Snap ring
145 6591	Actuating lever with Sleeve grip
145 6594	Adjustment unit
145 6595	Lock activator complete
166 8828	Housing



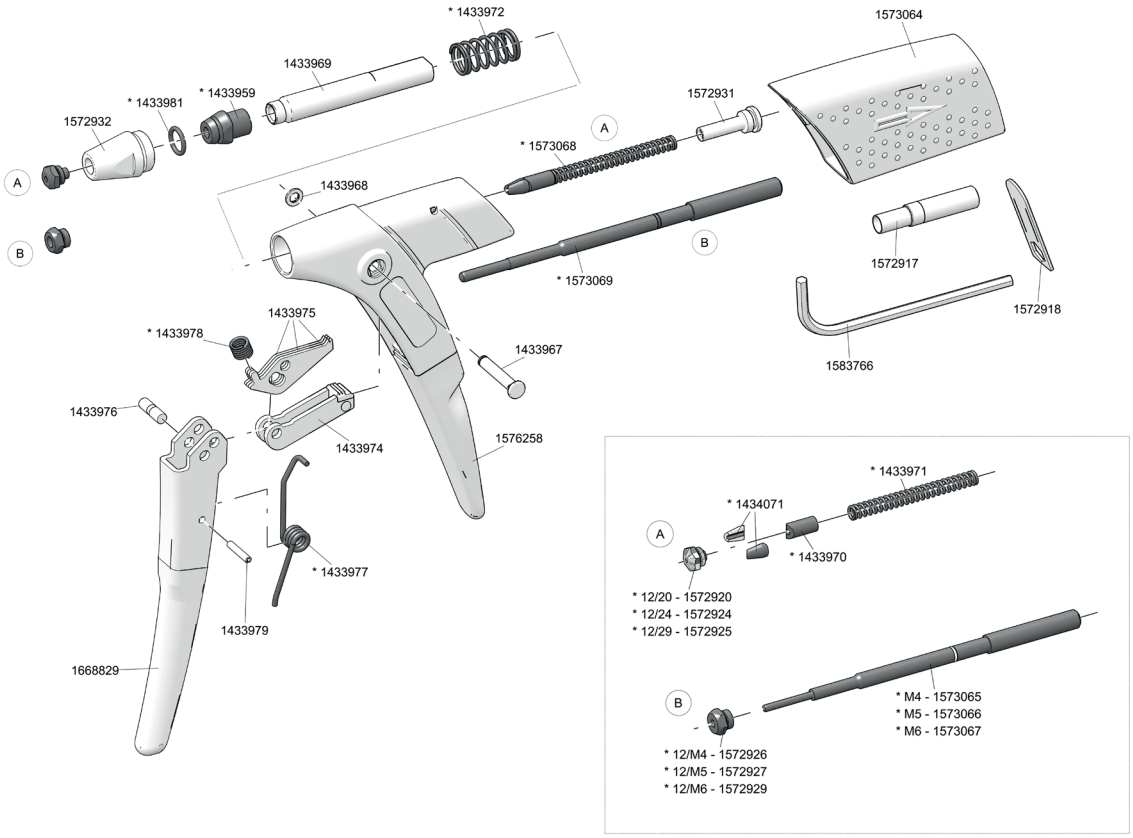
*** Wearing parts**

Flipper® Plus

No. 157 1258

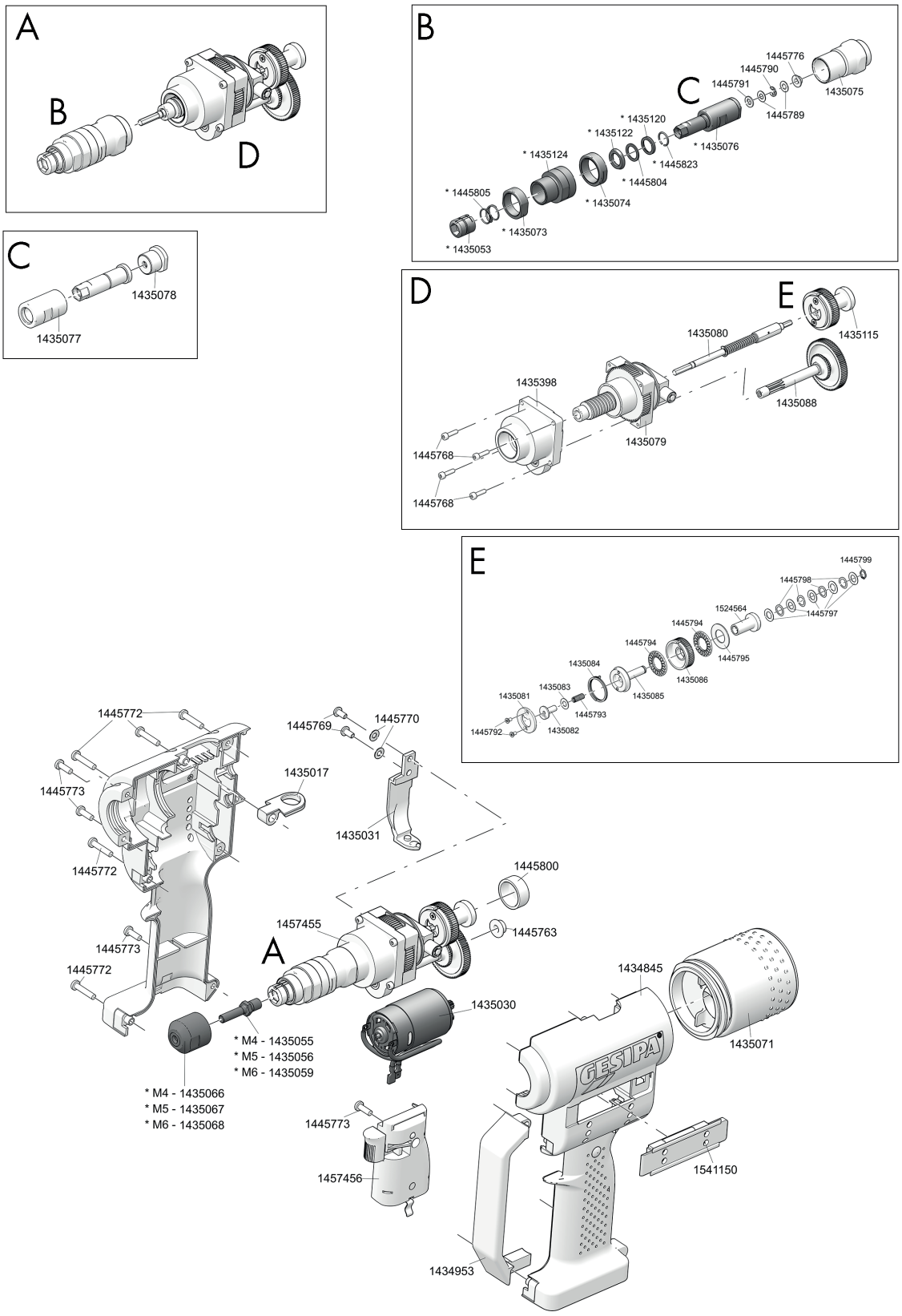
No.	
143 3959*	Jaw housing
143 3967	Pivot bolt
143 3968	Snap ring
143 3969	Lock activator
143 3970*	Jaw pusher
143 3971*	Compression spring
143 3972*	Compression spring
143 3974	Klinke complete
143 3975	Storage finger
143 3976	Bolt
143 3977*	Self opening spring
143 3978*	Retaining spring
143 3979	Spring dowel sleeve
143 3981*	O ring
143 4071*	Jaws
157 2917	Assembly aid
157 2918	Maintenance wrench

No.	
157 2920*	Nosepiece 12/20
157 2924*	Nosepiece 12/24
157 2925*	Nosepiece 12/29
157 2926*	Nosepiece M4
157 2927*	Nosepiece M5
157 2929*	Nosepiece M6
157 2931	End screw
157 2932	Steel head sleeve
157 3064	Spent mandrel container
157 3065*	Draw bar M4
157 3066*	Draw bar M5
157 3067*	Draw bar M6
157 3068*	Jaw mechanism
157 3069*	Jaw mechanism
157 6258	Housing complete with Sleeve grip
158 3766	Hexagon key
166 8829	Actuating lever



*** Wearing parts**

150



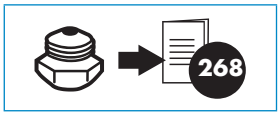
*** Wearing parts**

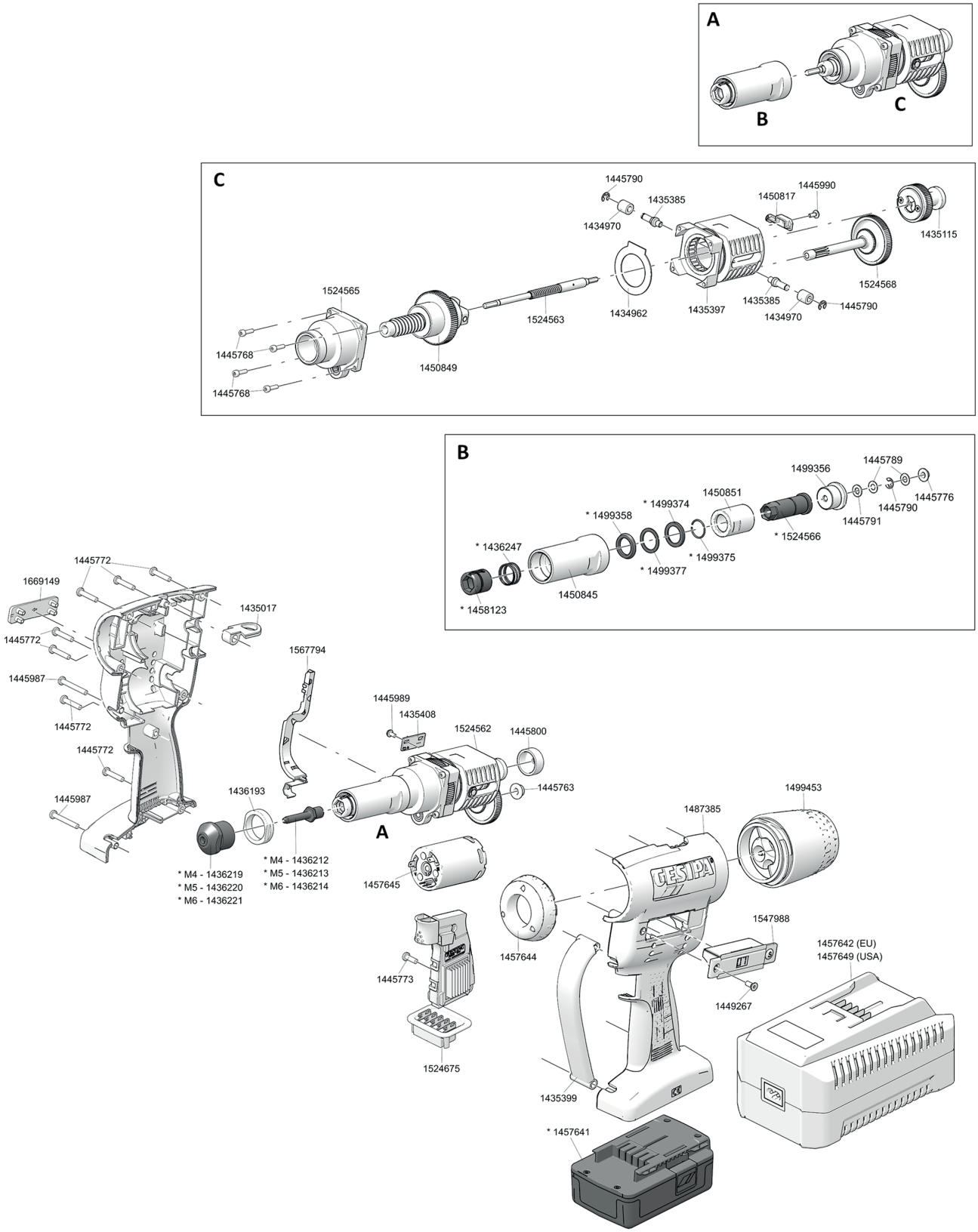
No. 145 7414
No. 145 7413

No.	
143 4845	Housing complete
143 4953	Hoop guard
143 5017	Hanger
143 5027	Bearing complete
143 5030*	Motor complete
143 5049	E-Control
143 5053*	Slider
143 5055*	Threaded mandrel M 4
143 5056*	Threaded mandrel M 5
143 5059*	Threaded mandrel M 6
143 5066*	Nosepiece M 4
143 5067*	Nosepiece M 5
143 5068*	Nosepiece M 6
143 5071	Accessories magazine
143 5073*	Locking nut 2
143 5074*	Locking nut 1
143 5075	Head
143 5076	Driver complete
143 5077	Lock activator
143 5078	Spacer
143 5079	Ball screw drive complete
143 5080	Rotating rod complete
143 5081	Plate
143 5082	Rotary driver
143 5083	Washer
143 5084	Wrap spring
143 5085	Shaft
143 5086	Coupling
143 5088	Pinion shaft complete
143 5115	Coupling complete

No.	
143 5120*	Lock washer
143 5122*	Bevel washer
143 5124*	Adjusting sleeve
144 5763	Sintered metal bushing
144 5768	Allen screw
144 5769	Magnetic holder screw
144 5772	Housing screw long
144 5773	Housing screw short
144 5774	Hose
144 5776	Slide bearing
144 5789	Washer
144 5790	Lock Washer
144 5791	Washer
144 5792	Countersunk screw
144 5793	Compression spring
144 5794	Axial-Needle bearing
144 5795	Axial washer
144 5797	Washer
144 5798	Spring washer
144 5799	Snap ring
144 5800	Cap
144 5804*	Washer
144 5805*	Compression spring
144 5823*	Snap ring
145 7455	Drive unit complete
152 4564	Buchse
154 1150	Cover
	Threaded mandrel SL
	Nosepiece SL
144 5806	Double open-end spanner SW 24/27

*** Wearing parts**





*** Wearing parts**

No. 152 4639
No. 152 4712

No.	
143 4962	Pressure washer
143 4970	Sintered metal roller
143 5017	Hanger
143 5082	Rotary driver
143 5083	Washer
143 5084	Wrap spring
143 5085	Shaft
143 5086	Coupling
143 5115	Coupling complete
143 5385	Pin holder
143 5397	Bearing cage
143 5399	Tool bar
143 5408	Hall plate
143 6193	Locking nut
143 6211*	Threaded mandrel M3
143 6212*	Threaded mandrel M4
143 6213*	Threaded mandrel M5
143 6214*	Threaded mandrel M6
143 6218*	Nosepiece M3
143 6219*	Nosepiece M4
143 6220*	Nosepiece M5
143 6221*	Nosepiece M6
143 6247*	Spring
144 5763	Sintered metal bushing
144 5768	Screw
144 5772	Screw
144 5773	Screw
144 5776	Slide bearing
144 5789	Washer
144 5790	Snap ring
144 5791	Washer
144 5793	Spring
144 5794	Needle bearing
144 5795	Axial washer
144 5797	Washer

No.	
144 5798	Spring washer
144 5799	Snap ring
144 5800	Cap
144 5987	Screw
144 5989	Screw
144 5990	Screw
144 9267	Screw
145 0817	Magnetic holder complete
145 0845	Head
145 0849	Ball screw drive
145 0851	Lock activator
145 7641*	Battery - while stocks last
145 7642	Charger EU - while stocks last
145 7644	Light
145 7645	Motor
145 7649	Charger USA - while stocks last
145 8123*	Slider complete
148 7385	Housing complete
149 9356	Spacer
149 9358*	Bevel washer
149 9374*	Lock washer
149 9375*	Snap ring
149 9377*	Washer
149 9453	Accessories magazine
152 4562	Drive unit
152 4563	Rotating rod complete
152 4564	Coupling bush assy complete
152 4565	Bearing complete
152 4566*	Driver complete
152 4568	Pinion shaft complete
152 4675	Control FireBird® Pro
154 7988	Setting force control FireBird® Pro
156 7794	Cable duct
166 9149	Sticker

*** Wearing parts**

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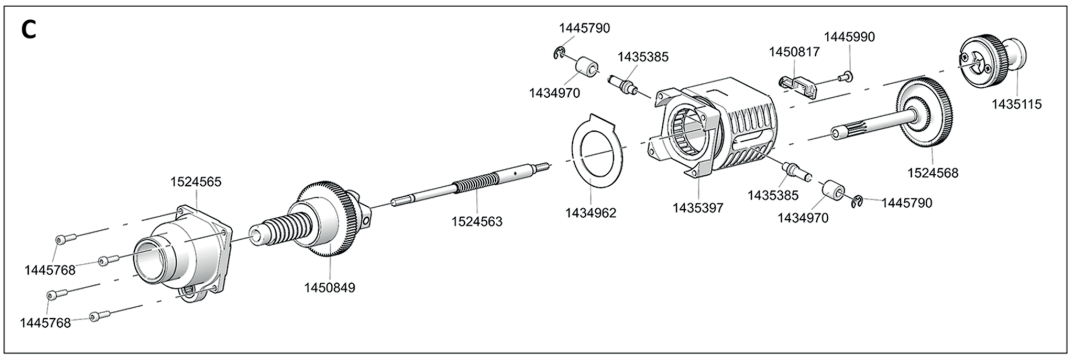
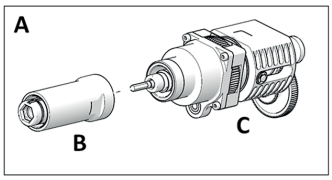
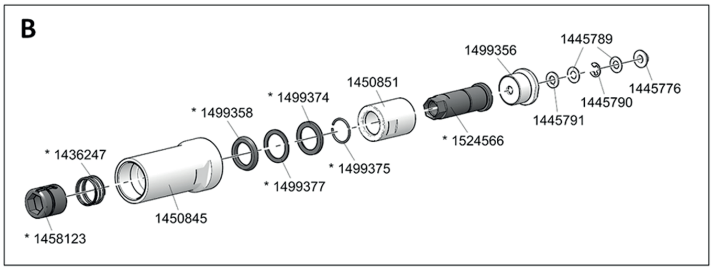
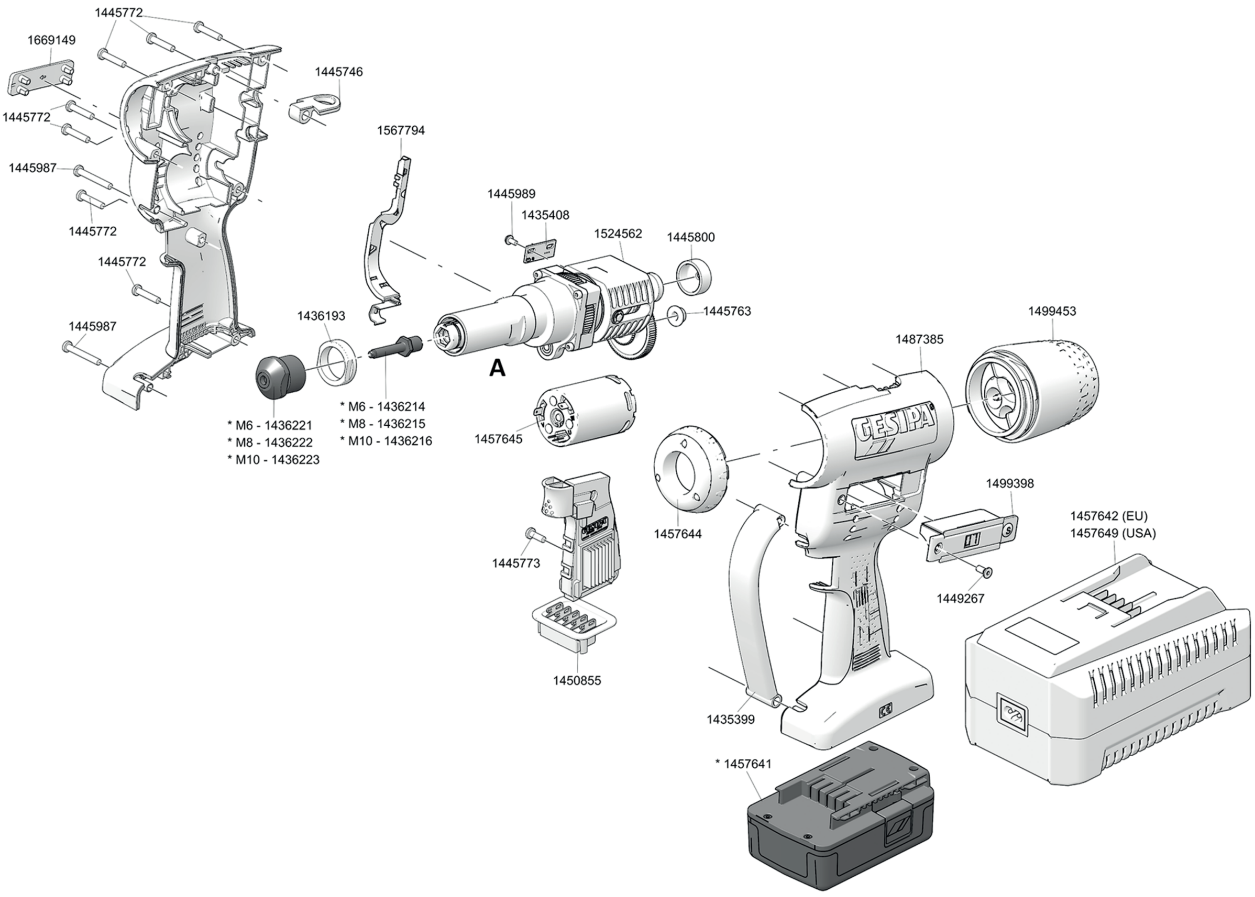
FireBird® Pro Gold Edition - until april 2021









*** Wearing parts**

No. 145 0841
No. 152 4713

No.	
143 4962	Pressure washer
143 4970	Sintered metal roller
143 5082	Rotary driver
143 5083	Washer
143 5084	Wrap spring
143 5085	Shaft
143 5086	Coupling
143 5115	Coupling complete
143 5385	Pin holder
143 5397	Bearing cage
143 5399	Tool bar
143 5408	Hall plate
143 6193	Locking nut
143 6211*	Threaded mandrel M3
143 6212*	Threaded mandrel M4
143 6213*	Threaded mandrel M5
143 6214*	Threaded mandrel M6
143 6215*	Threaded mandrel M8
143 6216*	Threaded mandrel M10
143 6218*	Nosepiece M3
143 6219*	Nosepiece M4
143 6220*	Nosepiece M5
143 6221*	Nosepiece M6
143 6222*	Nosepiece M8
143 6223*	Nosepiece M10
143 6247*	Spring
144 5746	Hanger
144 5763	Sintered metal bushing
144 5768	Screw
144 5772	Screw
144 5773	Screw
144 5776	Slide bearing
144 5789	Washer
144 5790	Snap ring
144 5791	Washer
144 5793	Spring
144 5794	Needle bearing
144 5795	Axial washer
144 5797	Washer

No.	
144 5798	Spring washer
144 5799	Snap ring
144 5800	Cap
144 5987	Screw
144 5989	Screw
144 5990	Screw
144 9267	Screw
145 0817	Magnetic holder complete
145 0845	Head
145 0849	Ball screw drive
145 0851	Lock activator
145 0855	Control
145 7641*	Battery - while stocks last
145 7642	Charger EU - while stocks last
145 7644	Light
145 7645	Motor
145 7649	Charger USA - while stocks last
145 8123*	Slider complete
148 7385	Housing complete
149 9356	Spacer
149 9358*	Bevel washer
149 9374*	Lock washer
149 9375*	Snap ring
149 9377*	Washer
149 9398	Setting force control
149 9453	Accessories magazine
152 4562	Drive unit
152 4563	Rotating rod complete
152 4564	Coupling bush assy complete
152 4565	Bearing complete
152 4566*	Driver complete
152 4568	Pinion shaft complete
156 7794	Cable duct
166 9149	Sticker

*** Wearing parts**

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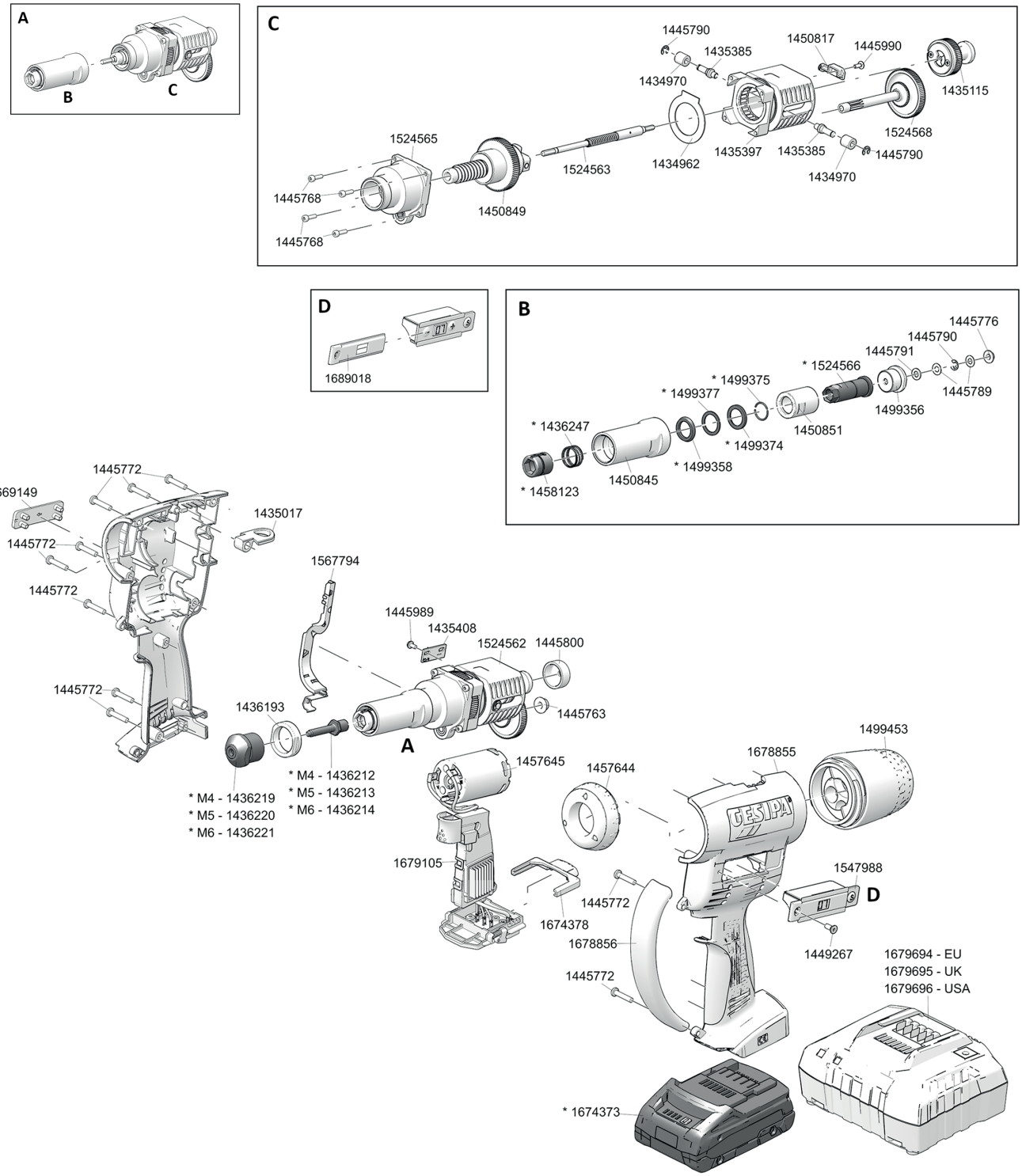
FireBird® Pro CAS - from may 2021



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* Wearing parts

No.	
143 4962	Pressure washer
143 4970	Sintered metal roller
143 5017	Hanger
143 5115	Coupling complete
143 5385	Pin
143 5397	Bearing cage
143 5408	Hall plate
143 6193	Locking nut
143 6212*	Threaded mandrel M 4
143 6213*	Threaded mandrel M 5
143 6214*	Threaded mandrel M 6
143 6219*	Nosepiece M 4
143 6220*	Nosepiece M 5
143 6221*	Nosepiece M 6
143 6247*	Compression spring
144 5768	Cylinder screw
144 5772	Screw
144 5776	Slide bearing
144 5789	Washer
144 5790	Washer
144 5791	Washer
144 5800	Cap
144 5989	Screw
144 5990	Screw
144 9267	Countersunk screw
145 0817	Magnetic holder complete
145 0845	Head
145 0849	Ball screw drive

No.	
145 0851	Lock activator
145 7644	Light complete
145 7645	Motor complete
145 8123*	Slider complete
149 9356	Spacer
149 9358*	Bevel washer
149 9374*	Lock washer
149 9375*	Snap ring
149 9377*	Washer
149 9453	Accessories magazine
152 4562	Drive unit complete
152 4563	Rotating rod complete
152 4565	Bearing complete
152 4566*	Driver complete
152 4568	Pinion shaft complete
154 7988	Setting force control
156 7794	Cable duct
166 9149	Sticker complete
167 9689*	Battery 2,0 Ah
167 4378	Locking slider
167 8855	Housing
167 8856	Hoop guard
167 9105	E-Control
167 9694	Charger EU
167 9695	Charger UK
167 9696	Charger USA
168 9018	Cap

*** Wearing parts**

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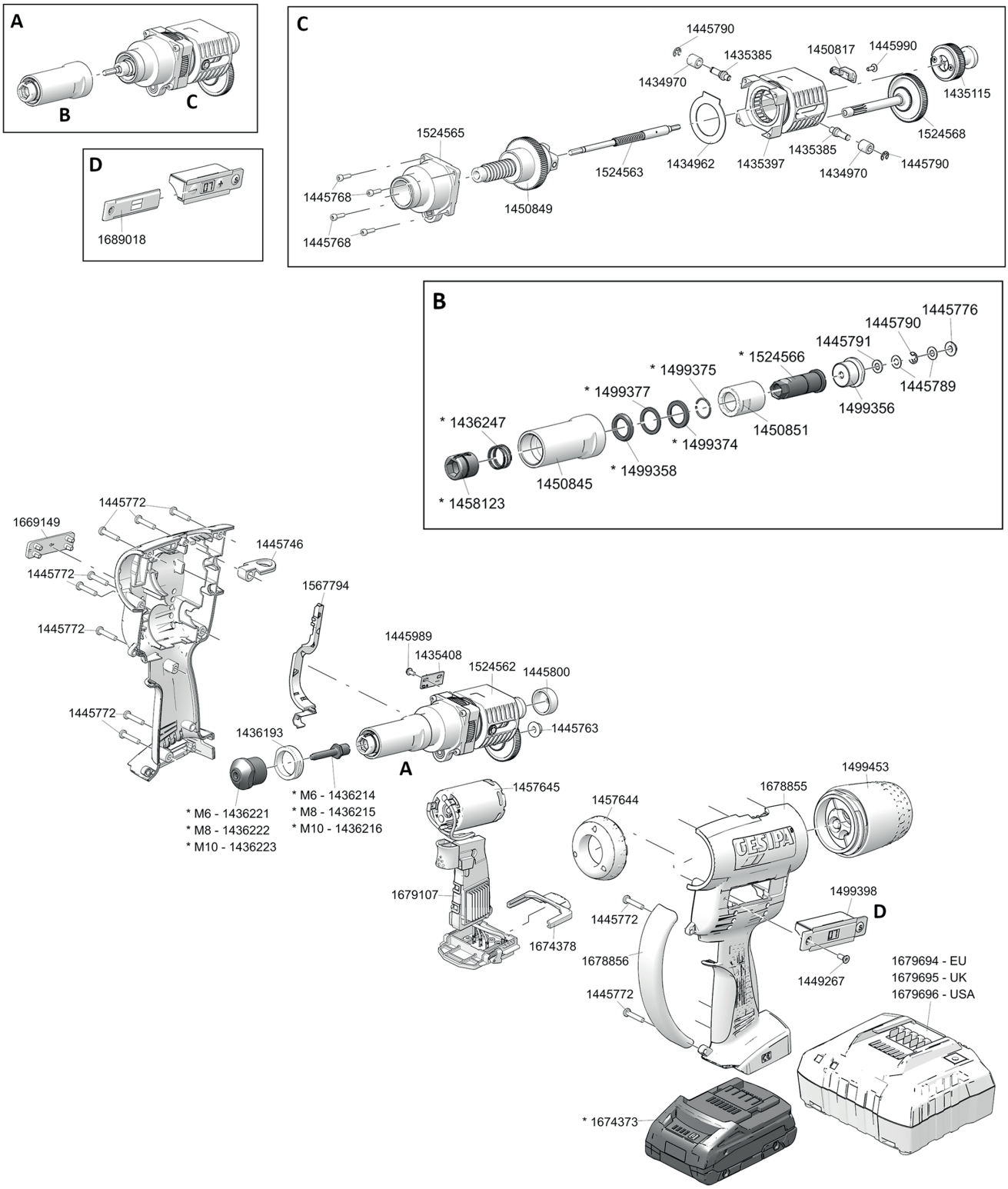
FireBird® Pro Gold Edition CAS - from may 2021



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* Wearing parts

No.	
143 4962	Pressure washer
143 4970	Sintered metal roller
143 5115	Coupling complete
143 5385	Pin
143 5397	Bearing cage
143 5408	Hall plate
143 6193	Locking nut
143 6214*	Threaded mandrel M 6
143 6215*	Threaded mandrel M8
143 6216*	Threaded mandrel M10
143 6221*	Nosepiece M 6
143 6222*	Nosepiece M8
143 6223*	Nosepiece M10
143 6247*	Compression spring
144 5746	Hanger
144 5763	Sintered metal bushing
144 5768	Cylinder screw
144 5772	Screw
144 5776	Slide bearing
144 5789	Washer
144 5790	Washer
144 5791	Washer
144 5800	Cap
144 5989	Screw
144 5990	Screw
144 9267	Countersunk screw
145 0817	Magnetic holder complete
145 0845	Head

No.	
145 0849	Ball screw drive
145 0851	Lock activator
145 7644	Light complete
145 7645	Motor complete
145 8123*	Slider complete
149 9356	Spacer
149 9358*	Bevel washer
149 9374*	Lock washer
149 9375*	Snap ring
149 9377*	Washer
149 9398	Setting force control
149 9453	Accessories magazine
152 4562	Drive unit complete
152 4563	Rotating rod complete
152 4565	Bearing complete
152 4566*	Driver complete
152 4568	Pinion shaft complete
156 7794	Cable duct
166 9149	Sticker complete
167 9689*	Battery 2,0 Ah
167 4378	Locking slider
167 8855	Housing
167 8856	Hoop guard
167 9107	E-Control
167 9694	Charger EU
167 9695	Charger UK
167 9696	Charger USA
168 9018	Cap

*** Wearing parts**

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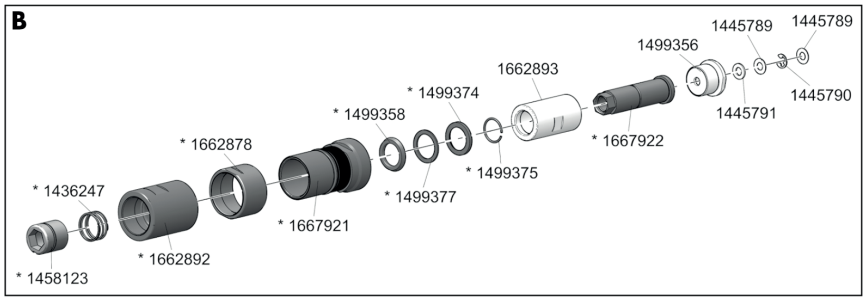
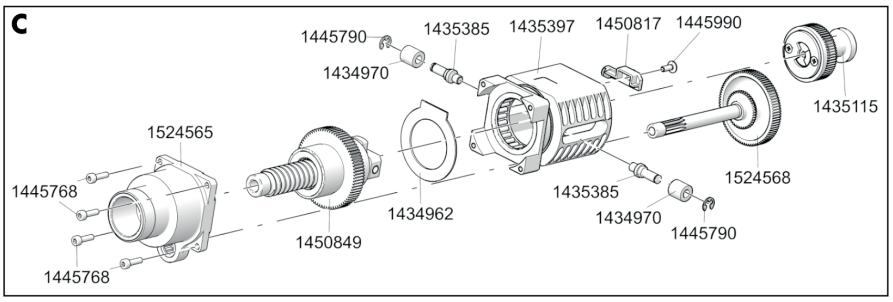
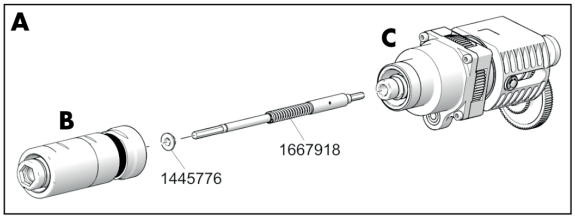
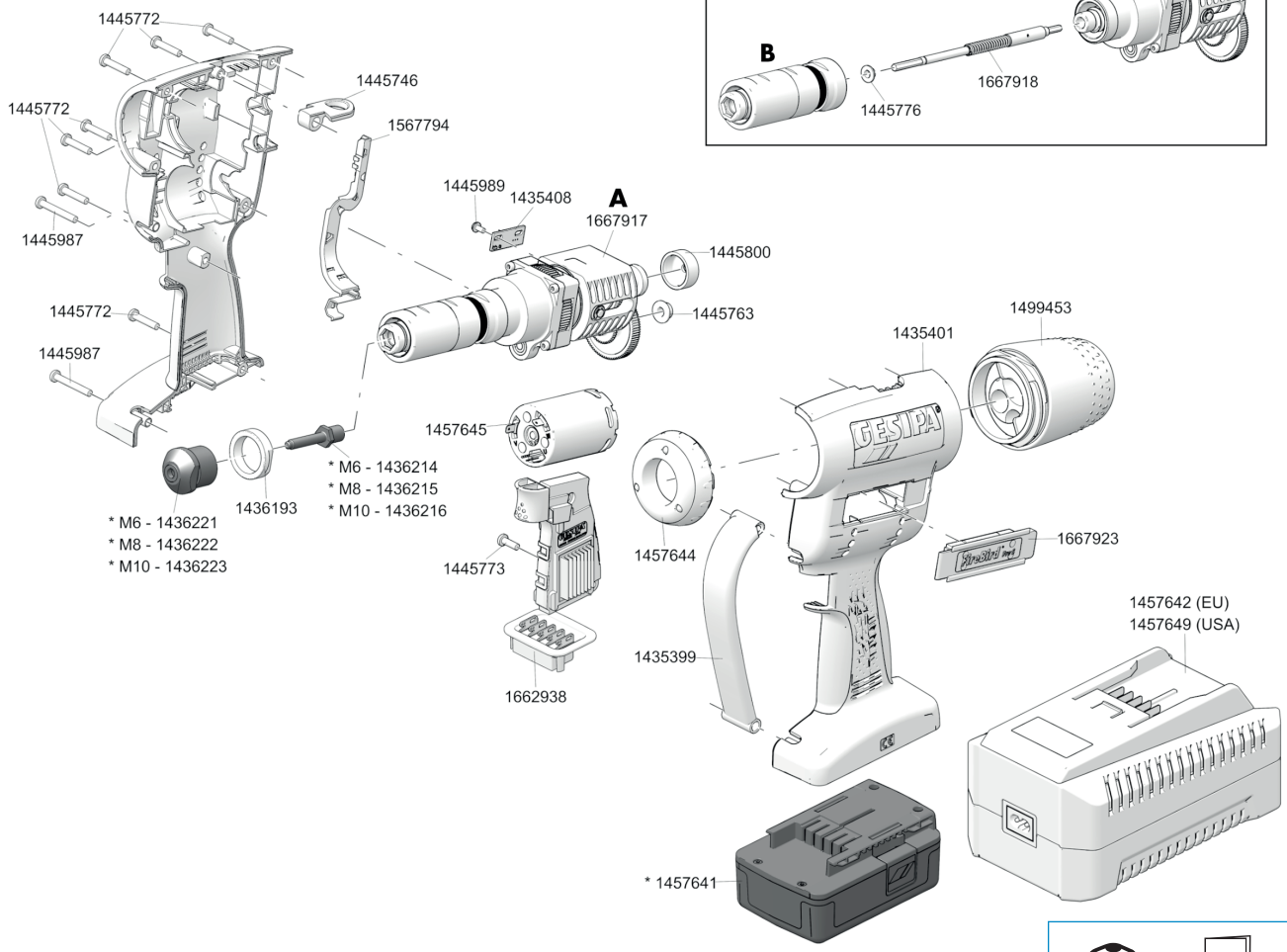
FireBird® Pro S Gold Edition - until april 2021









* Wearing parts

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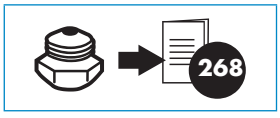
No. 165 6432

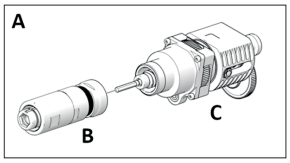
No.	
1434962	Pressure washer
1434970	Sintered metal roller
1435115	Coupling
1435385	Pin
1435397	Bearing cage
1435399	Tool bar
1435401	Housing
1435408	Hall plate
1436193	Locking nut
1436214*	Threaded mandrel M6
1436215*	Threaded mandrel M8
1436216*	Threaded mandrel M10
1436221*	Nosepiece M6
1436222*	Nosepiece M8
1436223*	Nosepiece M10
1436247*	Compression spring
1445746	Hanger
1445763	Sintered metal bushing
1445768	Cylinder screw
1445772	Screw
1445773	PT-Screw
1445776	Slide bearing
1445789	Pass-Washer
1445790	Washer
1445791	Washer
1445800	Cap
1445987	Screw
1445989	Screw

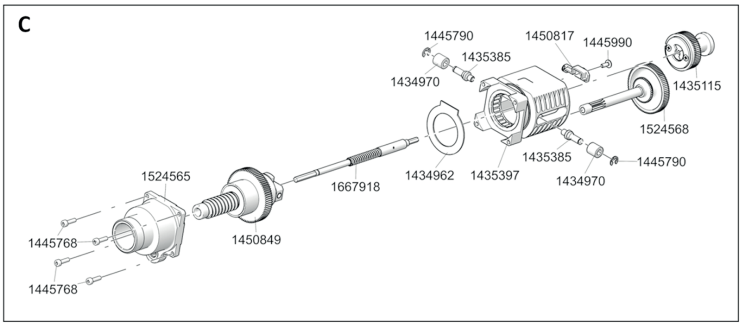
No.	
1445990	Screw
1450817	Magnetic holder
1450849	Ball screw drive
1457641*	Battery - while stocks last
1457642	Charger (EU) - while stocks last
1457644	Light
1457645	Motor
1457649	Charger (USA) - while stocks last
1458123*	Slider
1499356	Spacer
1499358*	Bevel washer
1499374*	Lock washer
1499375*	Snap ring
1499377*	Washer
1499453	Accessories magazine
1524565	Bearing
1524568	Pinion shaft
1567794	Cable duct
1662878*	Adjusting nut
1662892*	Adjusting sleeve
1662893	Lock activator
1662938	E-Control
1667917	Drive unit
1667918	Rotating rod
1667921*	Head
1667922*	Driver
1667923	Cover

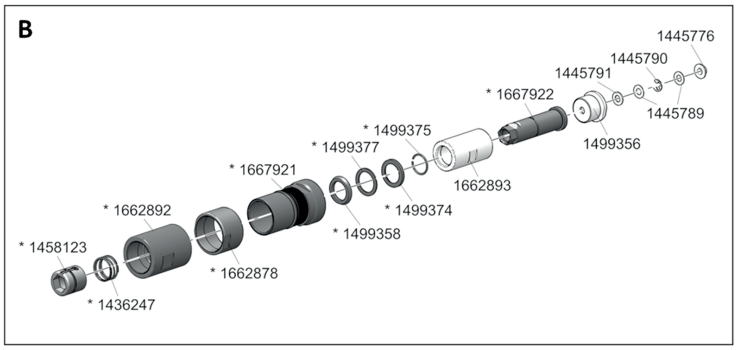
*** Wearing parts**

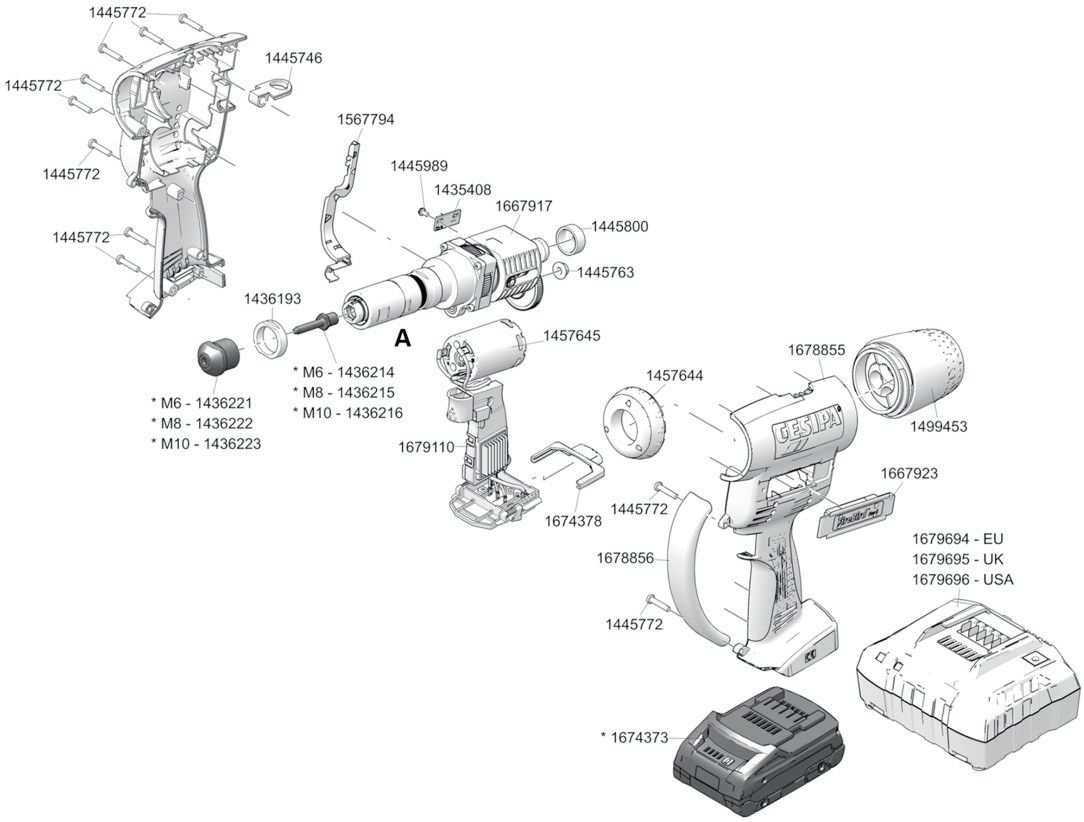


FireBird® Pro S Gold Edition CAS - from may 2021









* Wearing parts

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No.	
143 4962	Pressure washer
143 4970	Sintered metal roller
143 5115	Coupling complete
143 5385	Pin
143 5397	Bearing cage
143 5399	Tool bar
143 5408	LED-Plate
143 6193	Locking nut
143 6214*	Threaded mandrel M6
143 6215*	Threaded mandrel M8
143 6216*	Threaded mandrel M10
143 6221*	Nosepiece M6
143 6222*	Nosepiece M8
143 6223*	Nosepiece M10
143 6247*	Spring
144 5746	Hanger Gold Edition
144 5763	Sintered metal bushing
144 5768	Cylinder screw
144 5772	Screw
144 5776	Slide bearing
144 5789	Washer
144 5790	Snap ring
144 5791	Washer
144 5800	Cap
144 5989	Screw

No.	
144 5990	Screw
145 0817	Magnetic holder
145 0849	Ball screw drive
145 7644	Light
145 7645	Motor
145 8123*	Slider complete
149 9356	Spacer
149 9374*	Lock washer
149 9375*	Snap ring
149 9377*	Washer
149 9453	Accessories magazine
152 4565	Bearing
152 4568	Pinion shaft
166 2878*	Adjusting nut
166 2892*	Adjusting sleeve
166 2893	Lock activator
166 7917	Drive unit
166 7918	Rotating rod
166 7921*	Head
166 7922*	Driver
166 7923	Cover
167 9689*	Battery 2,0 Ah
167 4378	Locking slider
167 8855	Housing
167 8856	Hoop guard
167 9110	E-Control

*** Wearing parts**

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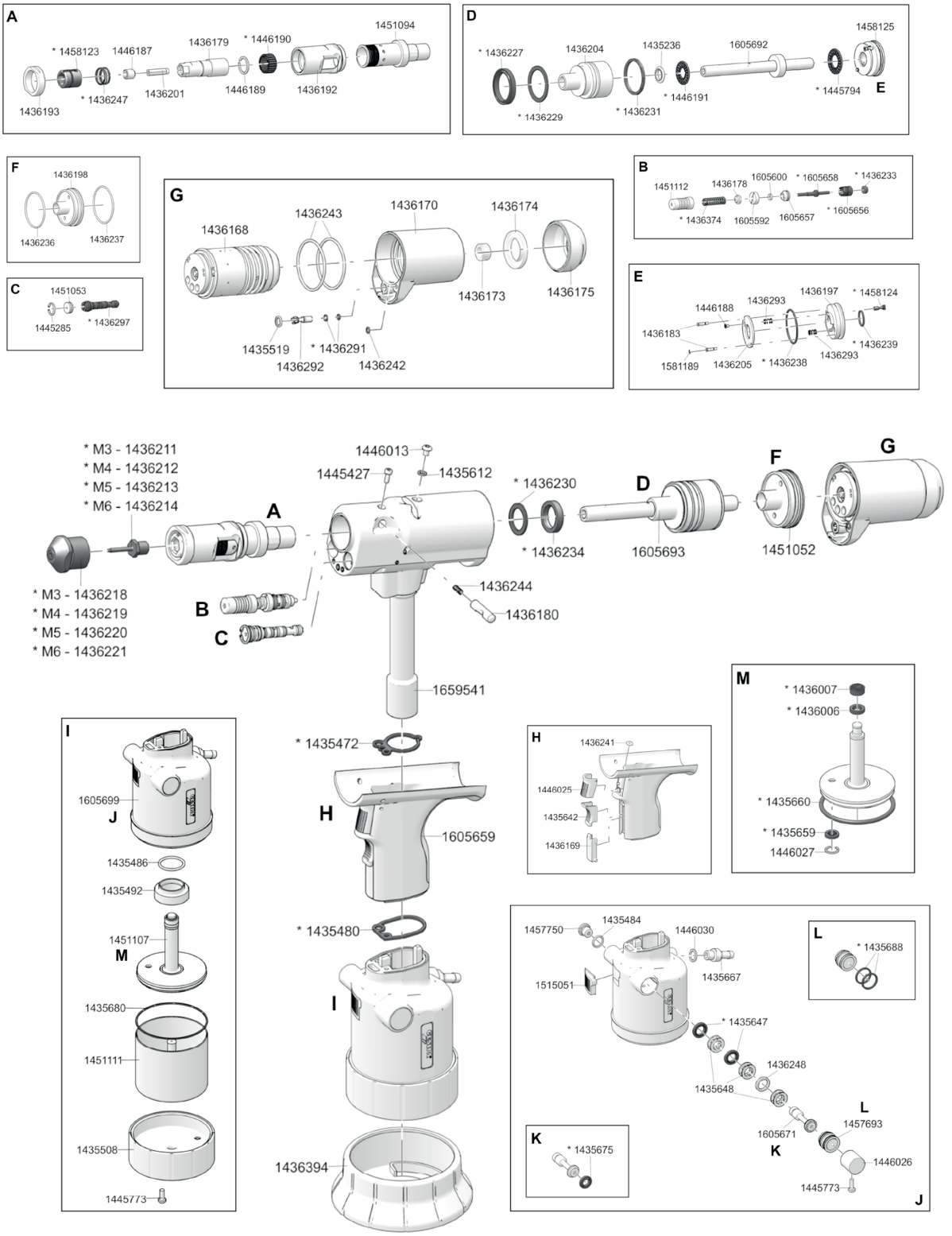
FireFox® 1



*** Wearing parts**

You will find spare part kits from page 403

268

No. 160 5610

No.	
1435236	Seal kit
*1435472	Flat gasket 1
*1435480	Flat gasket 2
1435484	O ring
1435486	O ring
1435492	Al nut
1435508	Bottom
1435519	O ring
1435612	Sealing ring
1435642	Slider
*1435647	Rod seal
1435648	Spacer cage
*1435659	Rod seal
*1435660	O ring
1435667	Connecting nipple
*1435675	Piston seal
1435680	O ring
*1435688	O ring
*1436006	Guide ring
*1436007	Piston seal
1436168	Air motor complete
1436169	Orifice
1436170	Adapter
1436173	Absorber disc 1
1436174	Absorber disc 2
1436175	Noise suppressor cover
1436178	Bevel washer
1436179	Driver
1436180	Locating bolt
1436183	Plug bolt
1436192	Steel head sleeve
1436193	Locking nut
1436197	Closure
1436198	End cap
1436201	Hexagonal rod
1436204	Draw bar
1436205	Washer
*1436211	Threaded mandrel M 3
*1436212	Threaded mandrel M 4
*1436213	Threaded mandrel M 5
*1436214	Threaded mandrel M 6
*1436218	Nosepiece M 3
*1436219	Nosepiece M 4
*1436220	Nosepiece M 5
*1436221	Nosepiece M 6
*1436227	Piston seal
*1436229	Supporting ring
*1436230	Supporting ring
*1436231	Seal
*1436233	Rod seal
*1436234	Rod seal
1436236	O ring

No.	
1436237	O ring
*1436238	O ring
*1436239	O ring
1436241	O ring
1436242	O ring
1436243	O ring
1436244	Spring
*1436247	Compression spring
1436248	Washer
*1436291	O ring
1436292	Valve key
1436293	Spring
*1436297	Distributing valve complete
*1436374	Spring
1436394	Rubber foot
1445285	Snap ring
1445427	Screw
1445773	Screw
*1445794	Axial-Needle bearing
1446013	Oil screw
1446025	Activation button
1446026	Stopper
1446027	Snap ring
1446030	Sealing ring
1446187	Stud bolt
1446188	Screw
1446189	Snap ring
*1446190	Needle ring
*1446191	Axial-Needle bearing
1451053	Stopper complete
1451094	Stroke adjuster
1451107	Air piston complete
1451111	Cylinder complete
1451112	Spring compressor complete
1457693	Piston housing complete
1457750	Pressure relief valve
*1458123	Slider complete
*1458124	Valve key complete
1458125	Closure complete
1515051	Silencer complete
158 1189	Half moon ring
1605592	Threaded ring
1605600	Nutring
*1605656	Bit complete
1605657	Sealing washer complete
*1605658	Plunger complete
1605659	Grip complete
1605660	Air cylinder complete
1605671	Control piston complete
1605692	Tie anchor complete
1605693	Draw bar complete
1659541	Tool head complete

*** Wearing parts**

You will find spare part kits from page 403

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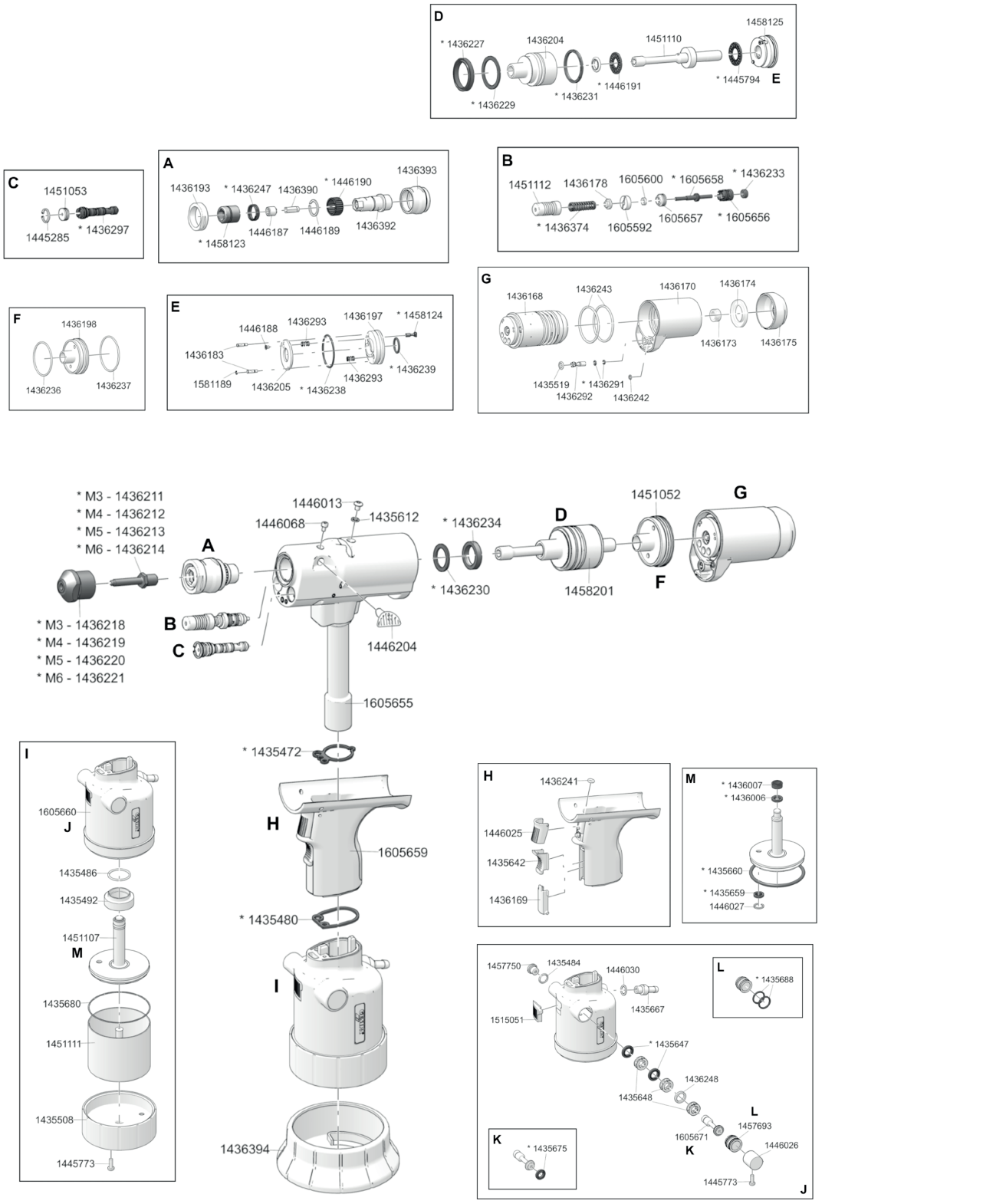
FireFox® 1 F



*** Wearing parts**

You will find spare part kits from page 403

268

No. 145 8198

No.	
143 5236	Seal kit
143 5472*	Flat gasket 1
143 5480*	Flat gasket 2
143 5484	O ring
143 5486	O ring
143 5492	Al nut
143 5508	Bottom 1
143 5519	O ring
143 5612	Sealing ring M4
143 5642	Slider
143 5647*	Rod seal
143 5648	Spacer cage
143 5659*	Rod seal
143 5660*	O ring
143 5667	Connecting nipple
143 5675*	Piston seal
143 5680	O ring
143 5688*	O ring
143 6006*	Guide ring 4
143 6007*	Piston seal
143 6168	Air motor complete
143 6169	Orifice
143 6170	Adapter
143 6173	Absorber disc 1
143 6174	Absorber disc 2
143 6175	Noise suppressor cover
143 6178	Bevel washer
143 6181	Driver
143 6183	Plug bolt
143 6193	Locking nut
143 6197	Closure
143 6198	End cap
143 6204	Draw bar
143 6205	Washer
143 6211*	Threaded mandrel M 3
143 6212*	Threaded mandrel M 4
143 6213*	Threaded mandrel M 5
143 6214*	Threaded mandrel M 6
143 6218*	Nosepiece M 3
143 6219*	Nosepiece M 4
143 6220*	Nosepiece M 5
143 6221*	Nosepiece M 6
143 6227*	Piston seal
143 6229*	Supporting ring
143 6230*	Supporting ring
143 6231*	Seal
143 6233*	Rod seal
143 6234*	Rod seal
143 6236	O ring
143 6237	O ring
143 6238*	Closure

No.	
143 6239*	O ring
143 6241	O ring
143 6242	O ring
143 6243	O ring
143 6247*	Compression spring
143 6248	Washer
143 6291*	O ring
143 6292	Valve key 5
143 6293	Spring
143 6297*	Distributing valve complete
143 6374*	Spring
143 6390	Hexagonal rod
143 6393	Steel head sleeve 1
143 6394	Rubber foot 1
144 5285	Snap ring
144 5294	Hydraulic oil refill bottle, 100 ml
144 5427	Cylinder screw
144 5773	Screw
144 5794*	Axial-Needle bearing
144 6013	Oil screw
144 6025	Activation button
144 6026	Stopper
144 6027	Snap ring
144 6030	Sealing ring
144 6187	Stud bolt
144 6188	Screw
144 6189	Snap ring
144 6190*	Needle ring
144 6191*	Axial-Needle bearing
144 6204	Cap
145 1053	Stopper complete
145 1107	Air piston 1 complete
145 1110	Tie anchor 1 complete
145 1111	Cylinder 1 complete
145 1112	Spring compressor complete
145 7693	Piston housing
145 7750	Pressure relief valve
145 8123*	Slider complete
145 8124*	Valve key 4 complete
145 8125	Closure complete
145 8201	Draw bar 1 complete
151 5051	Silencer complete
158 1189	Half moon ring
160 5592	Threaded ring
160 5600	Nutring
160 5655	Tool head 1 assembled
160 5656*	Bit complete
160 5657	Sealing washer complete
160 5658*	Plunger complete
160 5659	Grip complete
160 5660	Air cylinder 1 complete
160 5671	Control piston

*** Wearing parts**

You will find spare part kits from page 403

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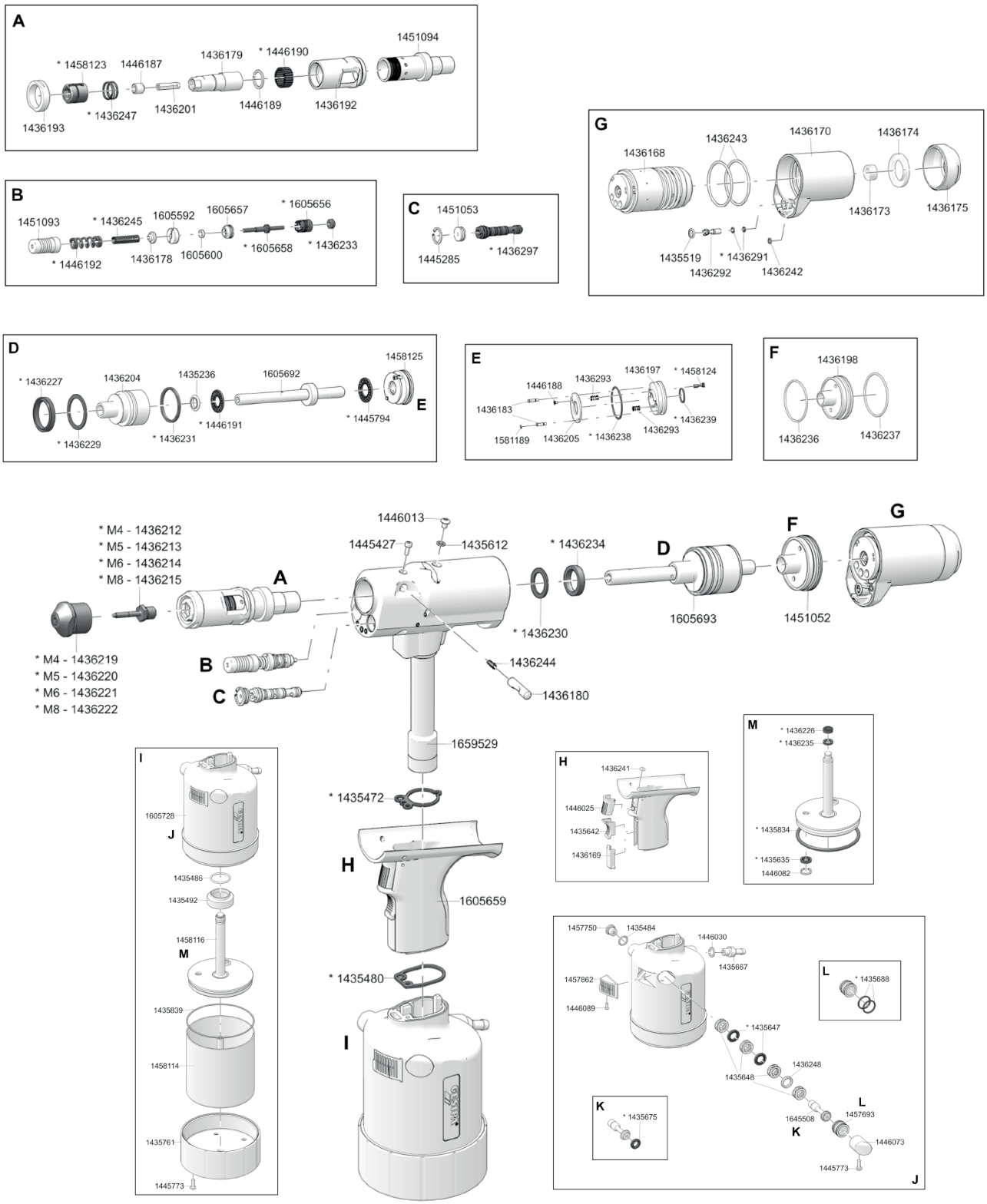
FireFox® 2



*** Wearing parts**

You will find spare part kits from page 403

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No. 145 8086

No.	
1435236	Seal kit
1435472*	Flat gasket
1435480*	Flat gasket
1435484	O ring
1435486	O ring
1435492	Al nut
1435519	O ring
1435612	Sealing ring
1435635*	Rod seal
1435642	Slider
1435647*	Rod seal
1435648	Spacer cage
1435667	Connecting nipple
1435675*	Piston seal
1435688*	O ring
1435761	Bottom
1435834*	O ring
1435839	O ring
1436168	Air motor complete
1436169	Orifice
1436170	Adapter
1436173	Absorber disc 1
1436174	Absorber disc 2
1436175	Noise suppressor cover
1436178	Bevel washer
1436179	Driver
1436180	Locating bolt
1436183	Stud bolt
1436192	Steel head sleeve
1436193	Locking nut
1436197	Closure
1436198	End cap
1436201	Hexagonal rod
1436204	Draw bar
1436205	Washer
1436212*	Threaded mandrel M 4 FF
1436213*	Threaded mandrel M 5 FF
1436214*	Threaded mandrel M 6 FF
1436215*	Threaded mandrel M8
1436219*	Nosepiece M 4 FF
1436220*	Nosepiece M 5 FF
1436221*	Nosepiece M 6 FF
1436222*	Nosepiece M8 (5/16"-18 UNC)
1436226*	Piston seal
1436227*	Piston seal
1436229*	Supporting ring
1436230*	Supporting ring
1436231*	Piston Seal
1436233*	Rod seal
1436234*	Rod seal
1436235*	Guide ring
1436236	O ring
1436237	O ring

No.	
1436238*	O ring
1436239*	O ring
1436241	O ring
1436242	O ring
1436243	O ring
1436244	Compression spring
1436245*	Compression spring
1436247*	Compression spring
1436248	Washer
1436291*	O ring
1436292	Valve key
1436293	Compression spring
1436297*	Distributing valve complete
1445285	Snap ring
1445427	Cylinder screw
1445773	PT-Screw
1445794*	Axial-Needle bearing
1446013	Oil screw
1446025	Activation button
1446030	Sealing ring
1446073	Stopper
1446082	Snap ring
1446089	Screw
1446187	Stud bolt
1446188	Countersunk screw
1446189	Snap ring
1446190*	Needle ring
1446191*	Axial-Needle ring
1446192*	Spring
1451052	End cap complete
1451053	Stopper complete
1451093	Spring compressor complete
1451094	Stroke adjuster complete
1457693	Piston housing complete
1457750	Pressure relief valve complete
1457862	Silencer complete
1458114	Cylinder complete
1458116	Air piston complete
1458123*	Slider kompl.
1458124*	Valve key complete
1458125	Closure complete
1581189	Half moon ring
1605592	Threaded ring
1605600	Nutring
1605656*	Bit complete
1605657	Sealing washer
1605658*	Plunger complete
1605659	Grip complete
1605692	Tie anchor complete
1605693	Draw bar complete
1605728	Air cylinder complete
1645508	Control piston complete
1659529	Tool head complete

*** Wearing parts**

You will find spare part kits from page 403

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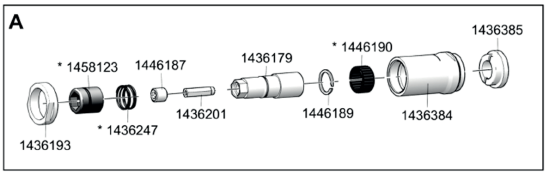
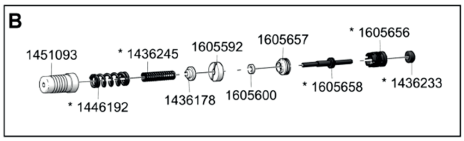
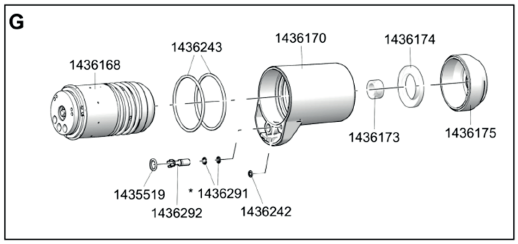
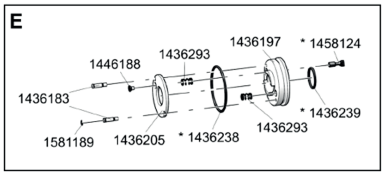
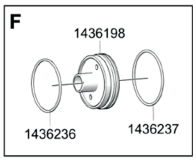
FireFox® 2 F

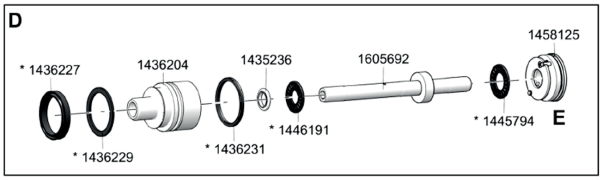


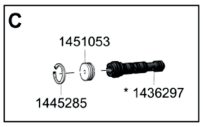


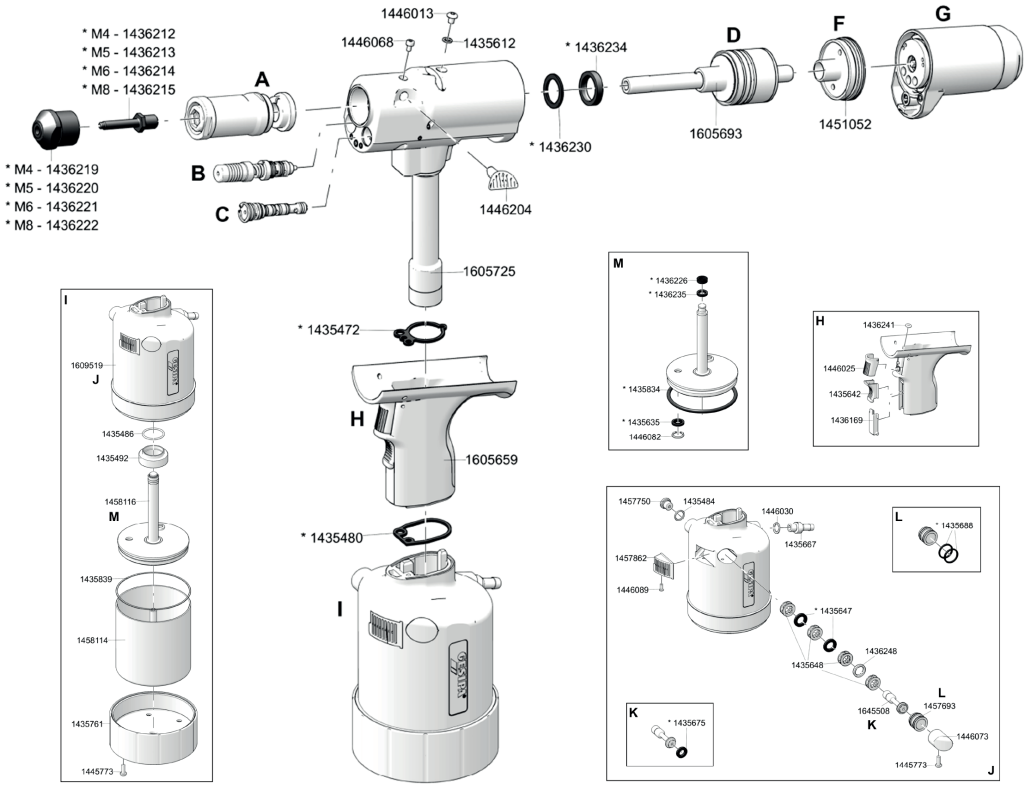












* Wearing parts

You will find spare part kits from page 403

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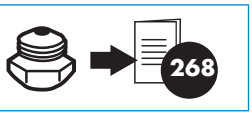
No. 145 1045

No.	
143 5236	Seal kit
143 5472*	Flat gasket 1
143 5480*	Flat gasket 2
143 5484	O ring
143 5486	O ring
143 5492	Alu-Nut
143 5519	O ring
143 5612	Sealing ring M4
143 5635*	Airzet Rod seal
143 5642	Slider
143 5647*	Airzet Rod seal
143 5648	Spacer cage
143 5667	Hose fitting
143 5675*	Piston seal
143 5688*	O ring
143 5761	Bottom
143 5834*	O ring
143 5839	O ring
143 6168	Air motor complete
143 6169	Orifice
143 6170	Adapter
143 6173	Absorber disc 1
143 6174	Absorber disc 2
143 6175	Noise suppressor cover
143 6178	Bevel washer
143 6179	Driver
143 6183	Stud bolt
143 6193	Locking nut
143 6197	Closure
143 6198	Cover
143 6201	Hexagonal rod
143 6204	Draw bar
143 6205	Washer
143 6212*	Threaded mandrel M 4
143 6213*	Threaded mandrel M 5
143 6214*	Threaded mandrel M 6
143 6215*	Threaded mandrel M 8
143 6219*	Nosepiece M 4
143 6220*	Nosepiece M 5
143 6221*	Nosepiece M 6
143 6222*	Nosepiece M 8
143 6226*	Piston seal
143 6227*	Piston seal
143 6229*	Supporting ring
143 6230*	Supporting ring
143 6231*	Seal
143 6233*	Rod seal
143 6234*	Rod seal
143 6235*	Guide ring
143 6236	O ring
143 6237	O ring

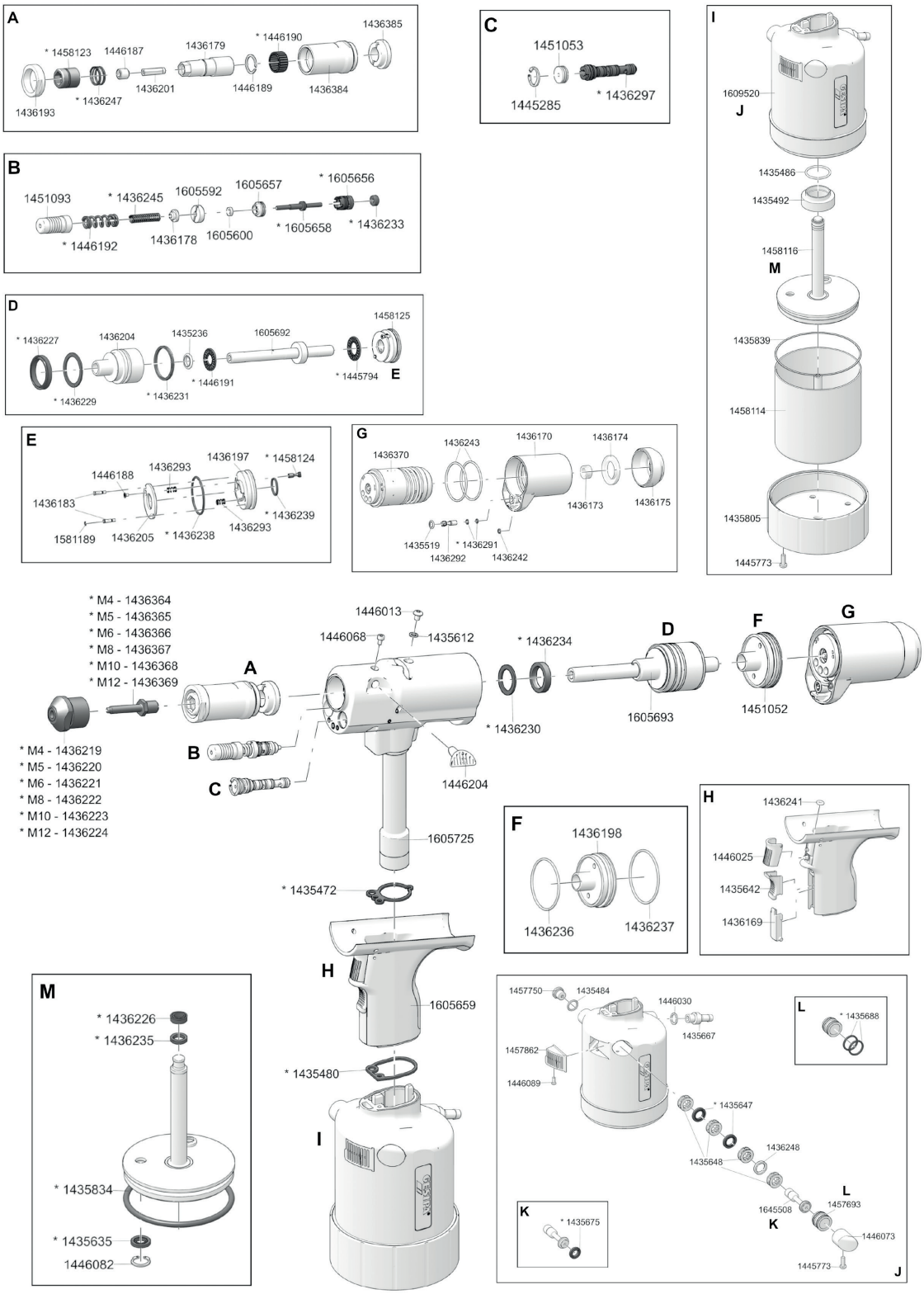
No.	
143 6238*	O ring
143 6239*	O ring
143 6241	O ring
143 6242	O ring
143 6243	O ring
143 6245*	Compression spring
143 6247*	Compression spring
143 6248	Washer
143 6291*	O ring
143 6292	Valve key 5
143 6293	Spring
143 6297*	Distributing valve complete
143 6384	Steel head sleeve
144 5285	Snap ring
144 5294	Hydraulic oil refill bottle, 100 ml
144 5427	Cylinder screw
144 5773	Housing screw short
144 5794*	Axial-Needle bearing
144 6013	Oil screw
144 6025	Activation button
144 6030	Sealing ring
144 6075	Stopper
144 6082	V ring JV15
144 6089	Screw
144 6187	Stud bolt
144 6188	Screw
144 6189	Snap ring
144 6190*	Needle ring
144 6191*	Axial-Needle bearing
144 6192*	Compression spring
144 6204	Cap
145 1053	Stopper complete
145 1093	Spanner complete
145 7693	Piston housing
145 7750	Pressure relief valve complete
145 7862	Silencer complete
145 8114	Cylinder 2 complete
145 8116	Air piston 2 complete
145 8123*	Slider complete
145 8124*	Valve key 4, complete
145 8125	Closure complete
158 1189	Half moon ring
160 5592	Threaded ring
160 5600	Nutring
160 5656*	Bit complete
160 5657	Sealing washer complete
160 5658*	Plunger
160 5659	Grip complete
160 5692	Tie anchor complete
160 5693	Draw bar complete
160 5706	Air cylinder 2 complete
160 5725	Tool head assembled
164 5508	Control piston

*** Wearing parts**

You will find spare part kits from page 403



FireFox® 2 F L



*** Wearing parts**

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No. 145 1037 (M6)
No. 145 1035 (M4)
No. 145 1036 (M5)

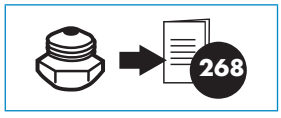
No. 145 8098 (M8)
No. 145 8099 (M10)
No. 145 8100 (M12)

No.	
143 5236	Seal kit
143 5472*	Flat gasket 1
143 5480*	Flat gasket 2
143 5484	O ring
143 5486	O ring
143 5492	Alu-Nut
143 5519	O ring
143 5612	Sealing ring M4
143 5635*	Airzet Rod seal
143 5642	Slider
143 5647*	Airzet Rod seal
143 5648	Spacer cage
143 5667	Hose fitting
143 5675*	Piston seal
143 5688*	O ring
143 5805	Bottom
143 5834*	O ring
143 5839	O ring
143 6169	Orifice
143 6170	Adapter
143 6173	Absorber disc 1
143 6174	Absorber disc 2
143 6175	Noise suppressor cover
143 6178	Bevel washer
143 6179	Driver
143 6183	Stud bolt
143 6193	Locking nut
143 6197	Closure
143 6198	Cover
143 6201	Hexagonal rod
143 6204	Draw bar
143 6205	Washer
143 6218	Nosepiece M3
143 6219	Nosepiece M 4
143 6220	Nosepiece M 5
143 6221	Nosepiece M 6
143 6222	Nosepiece M 8
143 6223	Nosepiece M 10
143 6224	Nosepiece M 12
143 6226*	Piston seal
143 6227*	Piston seal
143 6229*	Supporting ring
143 6230*	Supporting ring
143 6231*	Seal
143 6233*	Rod seal
143 6234*	Rod seal
143 6235*	Guide ring
143 6236	O ring
143 6237	O ring
143 6238*	O ring
143 6239*	O ring
143 6241	O ring
143 6242	O ring
143 6243	O ring
143 6245*	Compression spring

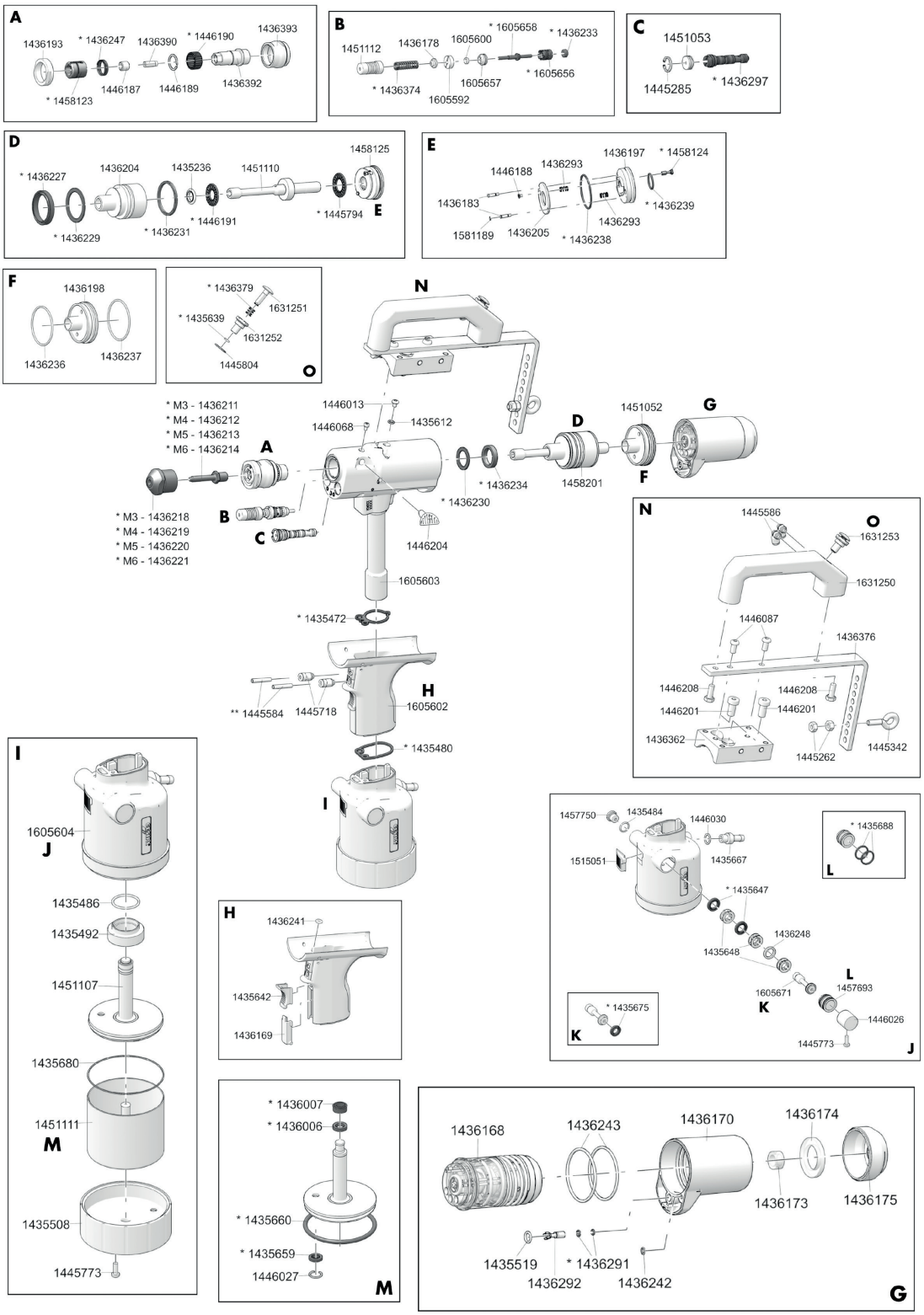
No.	
143 6247*	Compression spring
143 6248	Washer
143 6291*	O ring
143 6292	Valve key 5
143 6293	Spring
143 6297*	Distributing valve complete
143 6363*	Threaded mandrel M 3
143 6364*	Threaded mandrel M 4
143 6365*	Threaded mandrel M 5
143 6366*	Threaded mandrel M 6
143 6367*	Threaded mandrel M 8
143 6368*	Threaded mandrel M 10
143 6369*	Threaded mandrel M 12
143 6370	Air motor complete
143 6384	Steel head sleeve
144 5285	Snap ring
144 5294	Hydraulic oil refill bottle, 100 ml
144 5427	Cylinder screw
144 5773	Housing screw short
144 5794*	Axial-Needle bearing
144 6013	Oil screw
144 6025	Activation button
144 6030	Sealing ring
144 6075	Stopper
144 6082	V ring JV15
144 6089	Screw
144 6187	Stud bolt
144 6188	Screw
144 6189	Snap ring
144 6190*	Needle ring
144 6191*	Axial-Needle bearing
144 6192*	Compression spring
144 6204	Cap
145 1053	Stopper complete
145 1093	Spanner complete
145 7693	Piston housing
145 7750	Pressure relief valve complete
145 7862	Silencer complete
145 8114	Cylinder 2 complete
145 8116	Air piston 2 complete
145 8123*	Slider complete
145 8124*	Valve key 4, complete
145 8125	Closure complete
158 1189	Half moon ring
160 5592	Threaded ring
160 5600	Nutring
160 5656*	Bit complete
160 5657	Sealing washer complete
160 5658*	Plunger
160 5659	Grip complete
160 5692	Tie anchor complete
160 5693	Draw bar complete
160 5725	Tool head assembled
164 5508	Control piston
165 0705	Air cylinder 2 complete

*** Wearing parts**

You will find spare part kits from page 403



FireFox® 1 F Axial eco



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*** Wearing parts**

No. 145 1103 (M3)
No. 145 1104 (M4)

No. 145 8199 (M5)
No. 145 1105 (M6)

No.	
143 5236	Washer
143 5472*	Flat gasket
143 5480*	Flat gasket
143 5484	O ring
143 5486	O ring
143 5492	Al nut
143 5508	Bottom
143 5519	O ring
143 5612	Sealing ring
143 5639*	O ring
143 5642	Slider
143 5647	Rod seal
143 5648	Spacer cage
143 5659	Rod seal
143 5660*	O ring
143 5667	Connecting nipple
143 5675*	Piston seal
143 5680	O ring
143 5688*	O ring
143 6006*	Guide ring
143 6007*	Piston seal
143 6168	Air motor
143 6169	Orifice
143 6170	Adapter
143 6173	Absorber disc
143 6174	Absorber disc
143 6175	Noise suppressor cover
143 6178	Bevel washer
143 6183	Stud bolt
143 6193	Locking nut
143 6197	Closure
143 6198	End cap
143 6204	Draw bar
143 6205	Washer
143 6211*	Threaded mandrel M 3
143 6212*	Threaded mandrel M 4
143 6213*	Threaded mandrel M 5
143 6214*	Threaded mandrel M 6
143 6218*	Nosepiece M 3
143 6219*	Nosepiece M 4
143 6220*	Nosepiece M 5
143 6221*	Nosepiece M 6
143 6227*	Piston seal
143 6229*	Supporting ring
143 6230*	Supporting ring
143 6231*	RingSeal
143 6233*	Rod seal
143 6234*	Rod seal
143 6236	O ring
143 6237	O ring
143 6238*	O ring
143 6239*	O ring
143 6241	O ring
143 6242	O ring
143 6243	O ring
143 6247*	Compression spring
143 6248	Washer

No.	
143 6291*	O ring
143 6292	Valve key
143 6293	Compression spring
143 6297*	Distributing valve
143 6362	Holder
143 6374*	Compression spring
143 6376	Hanger
143 6379*	Spring
143 6390	Hexagonal rod
143 6392	Driver
143 6393	Steel head sleeve
144 5262	Nut
144 5285	Snap ring
144 5342	Eye screw
144 5584	Hose
144 5773	PT-Screw
144 5794*	Axial-Needle bearing
144 5804	U-Washer
144 6013	Oil screw
144 6026	Stopper
144 6027	Snap ring
144 6030	Sealing ring
144 6068	Cylinder screw
144 6087	Screw
144 6187	Stud bolt
144 6188	Countersunk screw
144 6189	Snap ring
144 6190*	Needle ring
144 6191*	Axial-Needle bearing
144 6201	Cylinder screw
144 6204	Cap
144 6208	Hexagon head screw
145 1053	Stopper
145 1107	Air piston
145 1110	Tie anchor
145 1111	Cylinder
145 1112	Spring compressor
145 7693	Piston housing
145 7750	Pressure relief valve
145 8123	Slider complete
145 8124*	Valve key
145 8125	Closure
145 8201	Draw bar
151 5051	Silencer
158 1189	Half moon ring
160 5592	Threaded ring
160 5600	Nutring
160 5603	Tool head
160 5604	Air cylinder
160 5656*	Bit
160 5657*	Sealing washer
160 5658	Plunger
160 5671	Control piston
163 1250	Grip
163 1251	Valve
163 1252	Valve seat
163 1253	Valve

*** Wearing parts**

** The length required must always be specified on the order; the article numbers always refers to the price per metre.

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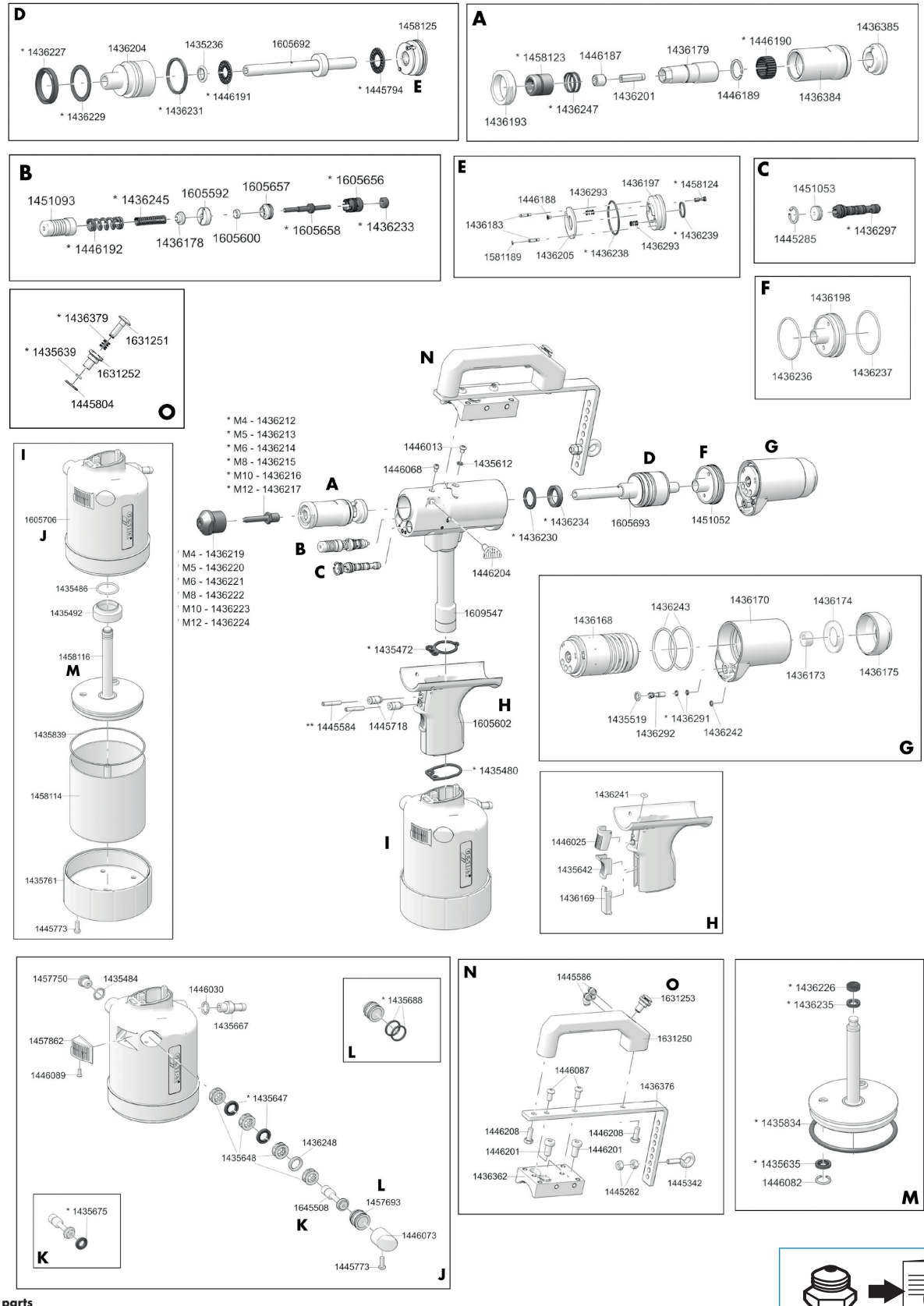
FireFox® 2 F Axial eco



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* Wearing parts

No. 145 1040 (M4)
No. 145 1041 (M5)
No. 145 8103 (M6)

No. 145 1042 (M8)
No. 145 1043 (M10)
No. 145 1044 (M12)

No.	
143 5236	Seal kit
143 5472*	Flat gasket
143 5480*	Flat gasket
143 5484	O ring
143 5486	O ring
143 5492	Al nut
143 5519	O ring
143 5612	Sealing ring
143 5635*	Rod seal
143 5639*	O ring
143 5642	Slider
143 5647*	Rod seal
143 5648	Spacer cage
143 5667	Connecting nipple
143 5675*	Piston seal
143 5688*	O ring
143 5761	Bottom
143 5834*	O ring
143 5839	O ring
143 6168	Air motor
143 6169	Orifice
143 6170	Adapter
143 6173	Absorber disc
143 6174	Absorber disc
143 6175	Cover
143 6178	Washer
143 6179	Driver
143 6183	Stud bolt
143 6193	Locking nut
143 6197	Cover
143 6198	End cap
143 6201	Hexagonal rod
143 6204	Draw bar
143 6205	Washer
143 6214*	Threaded mandrel M 6
143 6215*	Threaded mandrel M 8
143 6216*	Threaded mandrel M 10
143 6217*	Threaded mandrel M 12
143 6221*	Nosepiece M 6
143 6222*	Nosepiece M 8
143 6223*	Nosepiece M 10
143 6224*	Nosepiece M 12
143 6226*	Piston seal
143 6227*	Piston seal
143 6229*	Supporting ring
143 6230*	Supporting ring
143 6231*	Piston Seal
143 6233*	Rod seal
143 6234*	Rod seal
143 6235*	Guide ring
143 6236	O ring
143 6237	O ring
143 6238*	O ring
143 6239*	O ring
143 6241	O ring
143 6242	O ring
143 6243	O ring
143 6245*	Spring
143 6247*	Compression spring
143 6248	Washer

No.	
143 6291*	O ring
143 6292	Valve key
143 6293	Spring
143 6296	Tie anchor
143 6297*	Distributing valve complete
143 6362	Holder
143 6376	Hanger
143 6379*	Spring
143 6384	Steel head sleeve
144 5262	Nut
144 5285	Snap ring
144 5294	Hydraulic oil refill bottle, 100 ml
144 5342	Screw
144 5427	Cylinder screw
144 5584**	Hose
144 5586	Screw connection
144 5718	Screw connection
144 5773	Screw
144 5794*	Needle bearing, Axial
144 5804	Washer
144 6013	Screw
144 6030	Sealing ring
144 6075	Stopper
144 6082	Snap ring
144 6087	Screw
144 6089	Screw
144 6187	Stud bolt
144 6188	Countersunk screw
144 6189	Snap ring
144 6190*	Needle ring
144 6191*	Needle bearing, Axial
144 6192*	Spring
144 6201	Cylinder head Screw
144 6204	Cap
144 6208	Hexagon head screw
145 1053	Stopper
145 1093	Clamps complete
145 7693	piston housin
145 7750	Pressure relief valve
145 7862	Silencer
145 8114	Cylinder
145 8116	Air piston complete
145 8123*	Slider complete
145 8124*	Valve key
145 8125	Cover
145 8126	Draw bar complete
158 1189	Half moon ring
160 5592	Threaded ring
160 5600	Nutring
160 5602	Grip complete
160 5656*	Bit
160 5657	Washer
160 5658*	Plunger
160 5706	Air cylinder
160 9547	Tool head complete
163 1250	Grip
163 1251	Valve
163 1252	Valve
163 1253	Valve complete
164 5508	Control piston

*** Wearing parts**

** The length required must always be specified on the order; the article numbers always refers to the price per metre.

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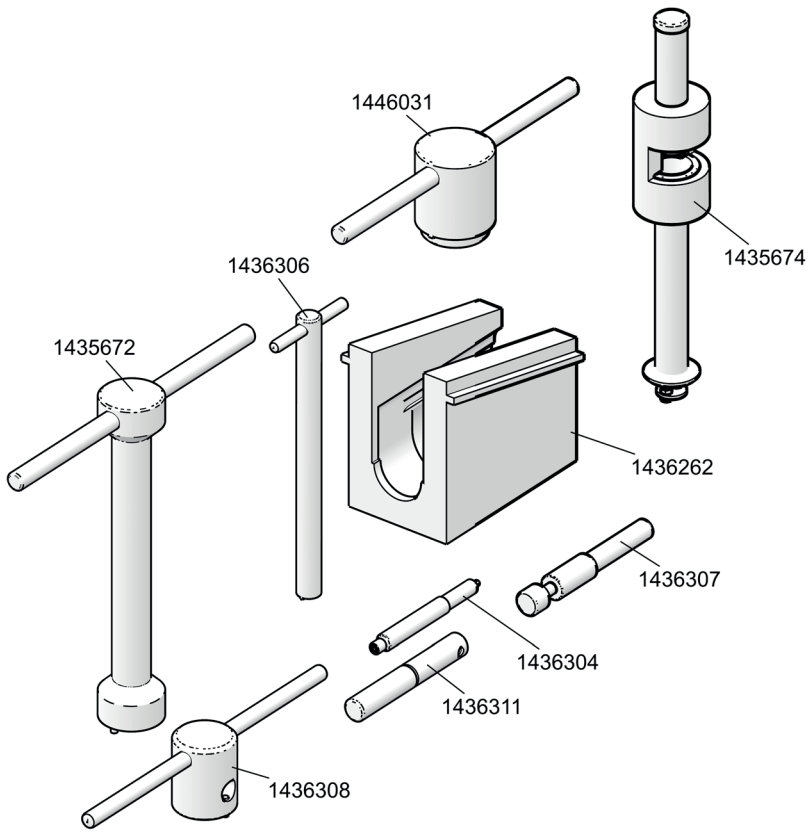
Repair tools for FireFox®

No.	
143 5672*	Allen key
143 5674*	Assembly device
143 6262	Insertion tool for seal
143 6304	Extraction tool
143 6306	Allen key for end cap
143 6307	Assembly device
143 6308	Clamp element for FireFox tool head
143 6311	Insertion tool for bit
144 6031 *	Turning tool for threaded ring

*These tools are also suitable for TAURUS® 1 - 4



Spare part kits

The spare part kits contain carefully composed sets with exactly the parts that you need for your maintenance or repair.

TAURUS® 1-4

Spare part kit: 145 7720 - Grip seal set TAURUS® 1-4	
No.	**Description**
143 5472	Flat gasket 1
143 5480	Flat gasket 2
143 5486	O ring

Spare part kit: 145 7721 - Lock activator seal set TAURUS® 1-4	
No.	**Description**
143 5632	Piston seal
143 5488	Supporting ring
143 5485	Piston seal

TAURUS® 2-4

Spare part kit: 145 7853 - Mandrel retainer complete TAURUS® 2-4	
No.	**Description**
144 6028	Retaining spring
143 5664	Retainer
143 5663	Adapter
143 5842	Washer
143 5766	Connecting piece nut 2/3

Spare part kit: 145 7723 - Control piston seal set TAURUS® 2-4	
No.	**Description**
143 5648	Spacer cage (4x)
143 5647	Rod seal (3x)
145 7694	Control piston
143 5675	Piston seal
145 7693	Piston housing
143 5688	O ring (2x)

TAURUS® 1

Spare part kit: 145 7719 - Air piston seal set TAURUS® 1	
No.	**Description**
143 5658	Piston seal
143 5657	Guide ring 1
143 5656	Piston seal
143 5660	O ring
143 5659	Rod seal
144 6027	Snap ring
143 5680	O ring

Spare part kit: 145 7724 - Mandrel retainer complete TAURUS® 1	
No.	**Description**
144 6028	Retaining spring
143 5664	Retainer
143 5663	Adapter
143 5842	Washer
143 5849	Connecting piece nut 1

Spare part kit: 145 7722 - Control piston seal set TAURUS® 1	
No.	**Description**
143 5648	Spacer cage (3x)
143 5647	Rod seal (3x)
145 7694	Control piston
143 5675	Piston seal
145 7693	Piston housing
143 5688	O ring (2x)

TAURUS® 2

Spare part kit: 145 7852 - Air piston seal set TAURUS® 2	
No.	**Description**
143 5635	Rod seal
143 5841	Piston seal
143 5825	Guide ring 2
143 5670	Piston seal
143 5834	O ring
144 6082	V ring
143 5839	O ring

Spare part kits

TAURUS® 3

Spare part kit: 145 7924 - Air piston seal set TAURUS® 3	
No.	**Description**
143 5635	Rod seal
143 5841	Piston seal
143 5825	Guide ring 2
143 5670	Piston seal
143 5937	O ring
144 6082	V ring
143 5927	O ring

TAURUS® 4

Spare part kit: 145 8000 - Air piston seal set TAURUS® 4	
No.	**Description**
143 5635	Rod seal
143 5675	Piston seal
143 6007	Piston seal
143 6006	Guide ring 4
143 5937	O ring
144 6082	V ring
143 5927	O ring

PH 2

Spare part kit: 145 6778 - K-seal set PH1/PH2	
No.	**Description**
143 4323	K-Seal
143 4324	K-Seal
143 4326	K-Seal

FireFox® 1 F, 2, 2 F, 2 F L, 1 F Axial eco, 2 F Axial eco

Spare part kit: 145 8202 - Air piston seal set FireFox® 1 F, 1 F Axial eco	
No.	**Description**
143 6007	Piston seal
143 5680	O ring
143 6006	Guide ring 4
143 5660	O ring
144 6027	Snap ring
143 5659	Rod seal

Spare part kit: 145 8179 - Distributing valve complete FireFox® 1 F, 2, 2 F, 2 F L, 1 F Axial eco, 2 F Axial eco	
No.	**Description**
143 6297	Distributing valve complete
144 5285	Snap ring
145 1053	Stopper complete

Spare part kit: 145 7720 - Grip seal set FireFox® 1 F, 2, 2 F, 2 F L, 1 F Axial eco, 2 F Axial eco	
No.	**Description**
143 5472	Flat gasket 1
143 5480	Flat gasket 2
143 5486	O ring

Spare part kit: 145 8180 - Air piston seal set FireFox® 2, 2 F, 2 F L, 2 F Axial eco	
No.	**Description**
143 6226	Piston seal
143 5839	O ring
143 6235	Guide ring
143 5834	O ring
144 6082	V ring
143 5635	Airzet Rod seal

Spare part kits

AccuBird®

Spare part kit 160 3642 - Wearing parts set AccuBird®	
No.	**Description**
143 4958	Jaws 3 parts
143 4959	Jaw pusher
144 5314	Compression spring

AccuBird® Pro

Spare part kit 160 3644 - Wearing parts set AccuBird® Pro	
No.	**Description**
143 5568	Jaws 3 parts
143 5448	Jaw pusher
143 5412	Compression spring

PowerBird® - no longer available

Spare part kit 160 3643 - Wearing parts set PowerBird®	
No.	**Description**
143 4104	Jaws 3 parts
143 4861	Jaw pusher
144 5747	Compression spring

PowerBird® Pro

Spare part kit 160 3645 - Wearing parts set PowerBird® Pro	
No.	**Description**
143 5568	Jaws 3 parts
143 5384	Jaw pusher
143 5412	Compression spring

Birdie®

Spare part kit 178 8776 - Wearing parts set Birdie®	
No.	**Description**
170 7731	Setting sleeve
170 7703	Jaws
170 7705	Jaw pusher

Service-Kit 179 4990 - Service kit 2 Birdie®	
No.	**Description**
2x 143 6042	O ring
2x 170 7730	Retainer Jaw housing
174 1429	Lightning ring
143 2212	Pressure seal bag
180 8175	Inlay Service kit

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www.gesipa.com/agb

Damages resulting from natural wear and tear, overloading, use of unsuitable batteries or inexpert handling will be excluded from the guarantee. Damages resulting from material or manufacturing faults will be repaired or replaced free of charge. Claims can only be accepted if the complete riveting tool is returned to the distributor or GESIPA®.

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