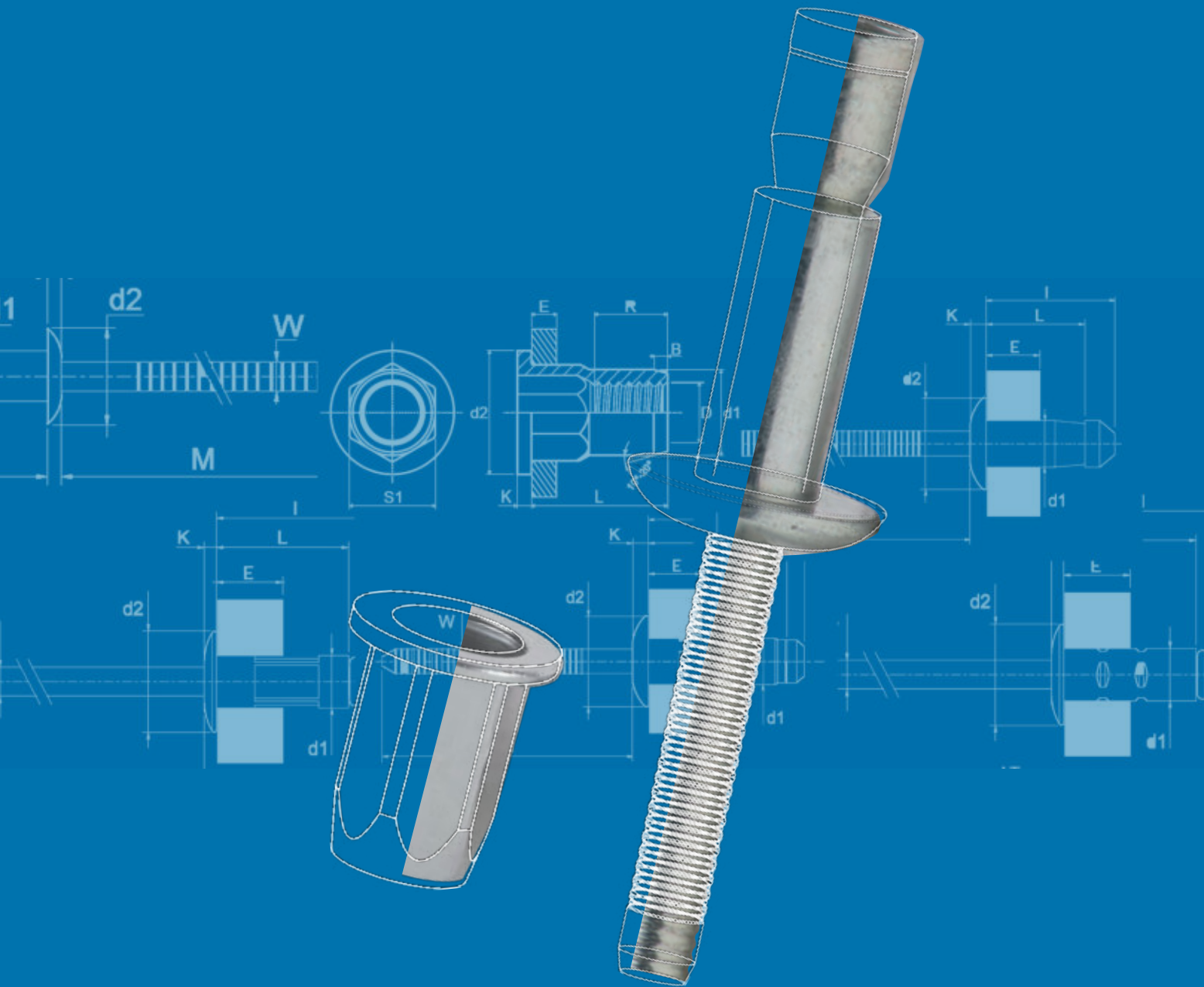


CATALOGUE



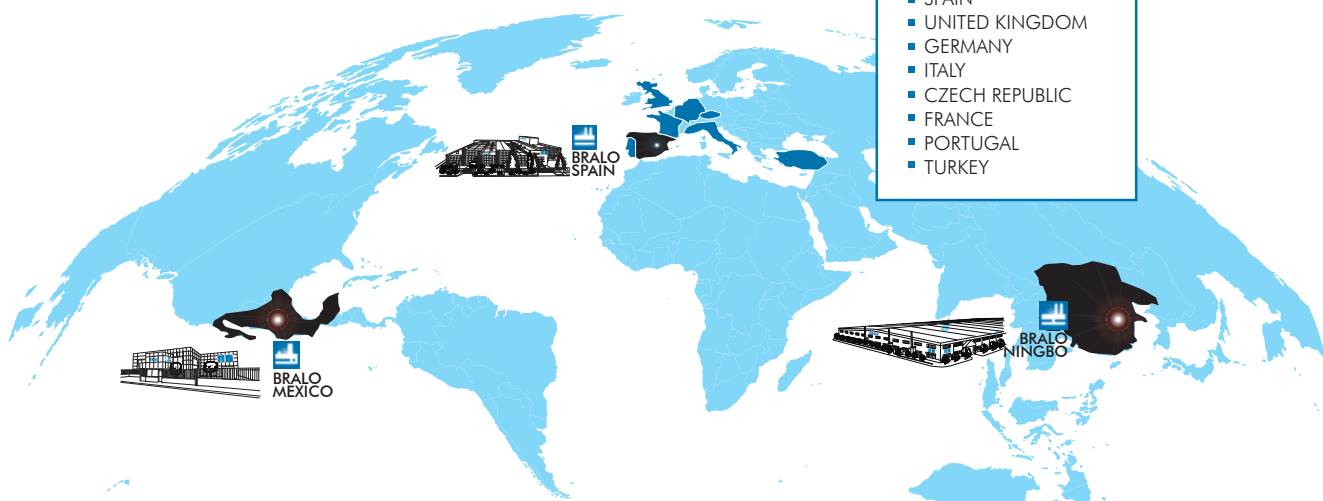
EXPERTS IN RIVETS, BLIND RIVET NUTS AND RIVETING TOOLS

EXPERTS IN FASTENING SYSTEMS

Leading multinational company in the **manufacturing and distribution of fastening solutions** using blind and structural rivets, blind rivet nuts, and riveting tools.

BUSINESS & LOGISTICS UNITS IN EUROPE

- SPAIN
- UNITED KINGDOM
- GERMANY
- ITALY
- CZECH REPUBLIC
- FRANCE
- PORTUGAL
- TURKEY



BRALO

For more than four decades, BRALO fastening systems have been developed with the most **INNOVATIVE** technology..

PRODUCTION PLANTS

With production plants on three continents, sales offices in ten countries, and customers in more than 60 countries, BRALO's vision is to be a global company.

COMMERCIAL OFFICES AND LOGISTICS CENTERS

BRALO, S.A.
BRALO DEUTSCHLAND GMBH
BRALO U.K. LTD
BRALO CZ, S.R.O.
BRALO ITALIA S.R.L.
BRALO PORTUGUESA, LDA.
BRALO FRANCE, S.A.S
BRALO NINGBO CHINA
BRALO MEXICO, S.A. DE C.V.
BRALO TURKEY Baglanti Elemanlari San.ve Tic.

DISTRIBUTORS

Austria USA Uruguay Argentina Chile Russia



BRALO SERVICES

EXPERTS IN FASTENER SYSTEMS

BRALO is a leading multinational company in the manufacturing and distribution of fastening systems, offering a full range of solutions in the industrial, automotive, construction, and renewable energy sectors, among others.



CONSULTANCY



- TECHNICAL NEEDS STUDY.
- CUSTOMER REQUIREMENTS.
- IDENTIFICATION OF IMPROVEMENTS.

ADVICE AND SUPPORT FOR OUR CUSTOMERS

At BRALO, we offer personalized support and technical guidance to help our customers select the most suitable rivets and blind rivet nuts for each application. Our team responds quickly and effectively to every technical requirement, ensuring agile and tailored assistance at all times.



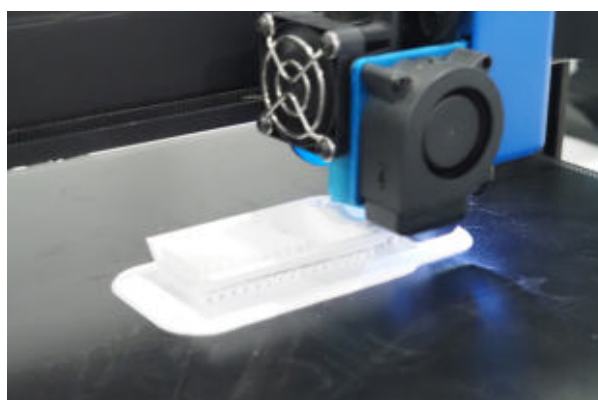
R&D+I



- PRODUCT DESIGN AND MANUFACTURING PROCESS.
- PROTOTYPING AND VALIDATION OF NEW PRODUCTS.
- 3D SIMULATION SOFTWARE.

R&D+I

We invest 5% of our annual turnover in R&D to develop innovative fastening solutions. This commitment allows us to deliver products that stand out for their quality, reliability, and technical precision.





LATEST TECHNOLOGY

We apply cutting-edge design and simulation tools, along with advanced production technology, to drive a highly automated manufacturing process with built-in precision and control.

DESIGN



- PROTOTYPES AND DIMENSIONAL VALIDATION.
- MECHANICAL AND CHEMICAL TESTING.
- DIFFERENT TYPES OF PACKAGING.

QUALITY



- PRODUCT VALIDATION.
- FINISHES AND COATINGS.
- COMPLETE TESTING EQUIPMENT.

CUSTOMIZATION ACCORDING TO CUSTOMER NEEDS

We offer a comprehensive service: from design and prototyping to testing, validation, and consulting for the most demanding applications.

QUALITY CERTIFICATIONS

ISO 9001:2015, certifies that the company meets the most demanding needs and legal and regulatory requirements related to the product.

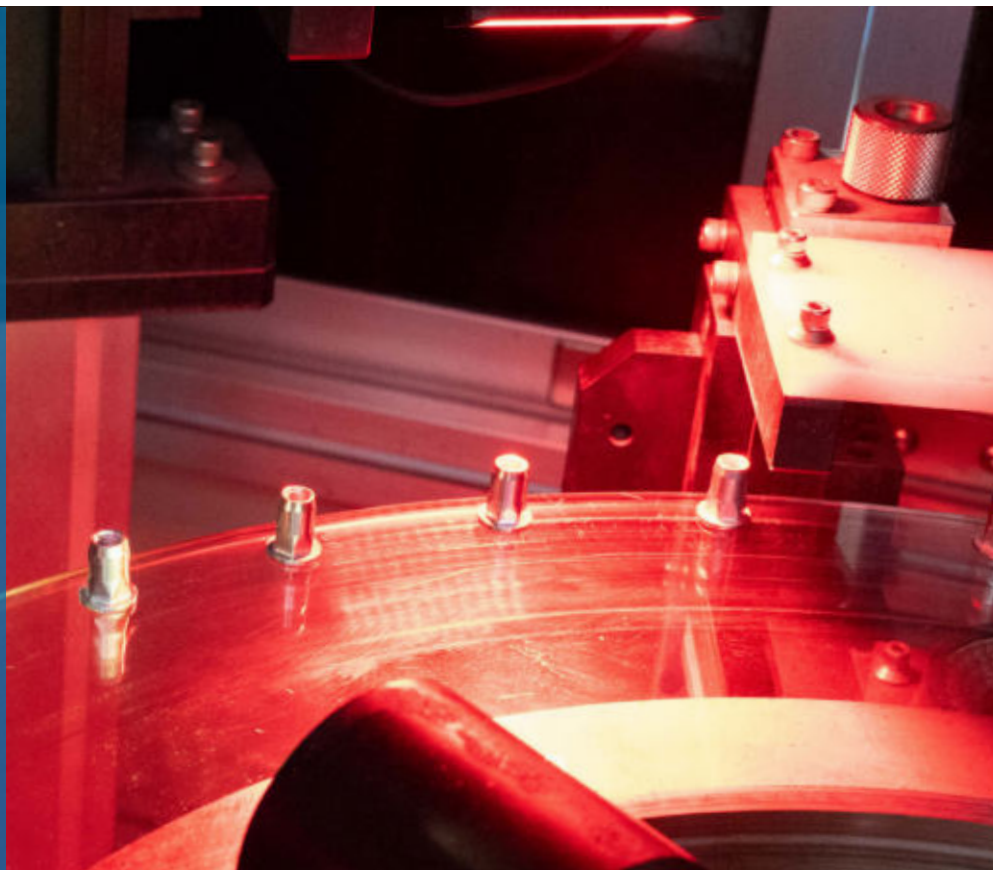
IATF 16949:2016 defines the quality management system requirements for the design, development, and manufacturing of automotive-related products.



BRALO SERVICES

INSPECTION MACHINES

Our manufacturing monitoring systems verify the suitability of 100% of our products. We guarantee that our parts, used in demanding applications, offer the required safety for both the end user and the various industries, including automotive, construction, and renewable energy.



ENVIRONMENT



- ISO 14001:2015
- LOW EMISSION CERTIFICATE.
- RECYCLING-CONSCIOUS.

PRODUCTION

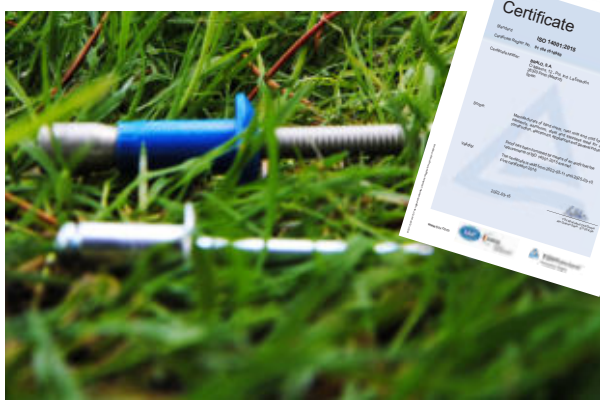


- PRODUCTION ADAPTATION.
- AUTOMATED DELIVERY.
- STOCK AVAILABILITY.

ISO 14001:2015 ENVIRONMENT

BRALO's commitment to environmental conservation and sustainable development leads it to actively manage its activities from an environmental perspective, as evidenced by its certification.

ISO 14001:2015



QUALITY AND INSPECTION

All our production plants have a quality system plan based on strict inspection requirements for raw materials, products, and machinery. All our plants worldwide are **ISO 9001:2015** accredited.





10 LOGISTICS CENTERS IN THE WORLD

BRALO is a pioneer in the development of new services that improve technology and processes throughout the entire supply chain. Being at the forefront of process optimization facilitates business relationships with its customers, improves service quality, and optimizes costs.



- LOGISTICS CENTERS WORLDWIDE.
- AUTOMATED DELIVERY.
- STOCK AVAILABILITY.



- PERSONALIZED ORDER MANAGEMENT.
- CUSTOMER SERVICE AND TRAINING.
- MAINTENANCE TOOL VIDEOS.

GLOBAL QUALITY SUPPLY

BRALO's global warehouse network offers proximity and fast service; extensive use of radio frequency management minimizes picking errors and ensures smooth reception of customer deliveries.

OUR COMMITMENT TO OUR CUSTOMER

Thanks to our automated and well-managed production, we ensure fast and efficient shipping and logistics. With decades of experience in riveting solutions, we provide direct, expert advice tailored to each customer's needs.



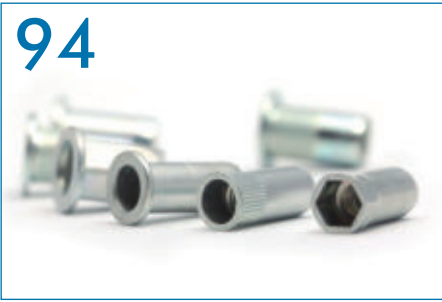
BRALO PRODUCTS



RIVETS AND LOCKBOLTS

The BRALO range boasts more than 6,000 references on the market, from blind and structural rivets, speed rivets, and high-strength lockbolts.

Thanks to our wide range of materials, finishes, and coatings, customers can choose every rivet feature, from color to design.



RIVET NUTS

The variety of blind rivet nuts is endless: smooth, slotted, hexagonal, semi-hexagonal, etc. We offer a variety of materials, including aluminum, steel, and A2 and A4 stainless steel, as well as various head types for each application: shallow, wide, countersunk, and extra-wide.

The nuts can be treated with finishes and protective coatings for greater resistance.



SPECIAL AND COLD STAMPING PARTS CUSTOMIZED

BRALO serves customers in a wide variety of industries with a wide range of production environments, from repair and maintenance to automated workplaces and production lines, and offers services for the design of special and custom parts in all of them.



RIVETING TOOLS

The extensive pursuit of quality and our policy of constant improvement make BRALO tools stand out for their ergonomics, lightness, and durability.

Manual, pneumatic, and battery-powered machines, as well as hydropneumatic riveting equipment, offer the highest technical performance and a variety of riveting capacities.



We offer an [after-sales repair service](#) on all our riveting machines

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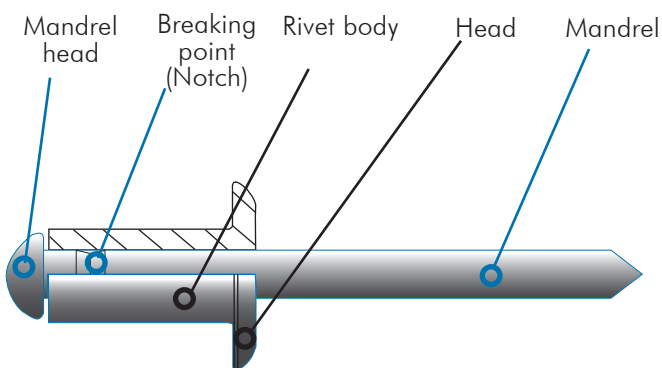
BLIND RIVETS

Fastening systems designed to join two pieces of the same or different materials, especially in applications where one side is inaccessible. BRALO rivets offer a strong and secure solution to many fastening problems.



- This is a **secure and permanent fastener** that is resistant to vibrations and therefore requires no tightening.
- It **perfectly fills the hole** thanks to the pressure force exerted on the mandrel, providing optimal performance.
- It is a **cheap, simple, and fast process**, as the installation time is shorter than with other fasteners.

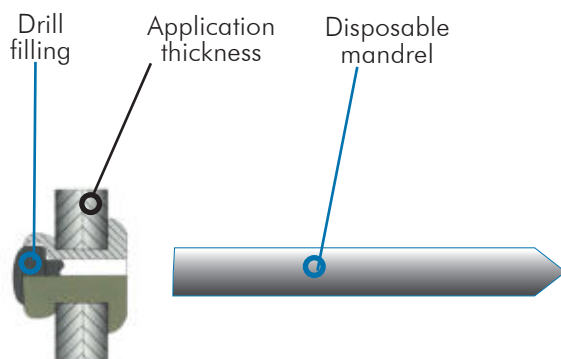
► RIVET PARTS



The rivet is normally made up of two parts, the BODY and the MANDREL:

1. The rivet **BODY** is the part of the rivet that will be deformed when the mandrel is pulled. It will deform in the direction of the pull, preventing it from being pulled out of the hole.

► AFTER RIVETING PROCESS



2. The **MANDREL** consists of a disposable part after riveting, a wider HEAD, and a NOTCH in the mandrel body, where the mandrel will break during pulling, once the necessary strength is reached. Upon deformation, the mandrel head will remain inside the rivet body, creating optimal hole filling.

TYPES OF HEAD ◀

DOMED HEAD

This is the most versatile type of head. It provides enough bearing surface to retain all kinds of materials, except those extremely smooth and brittle.



LARGE HEAD

This provides double the bearing area compared to the dome head and offers a great resistance. They are designed for applications where a soft or brittle material is assembled to a rigid support material.



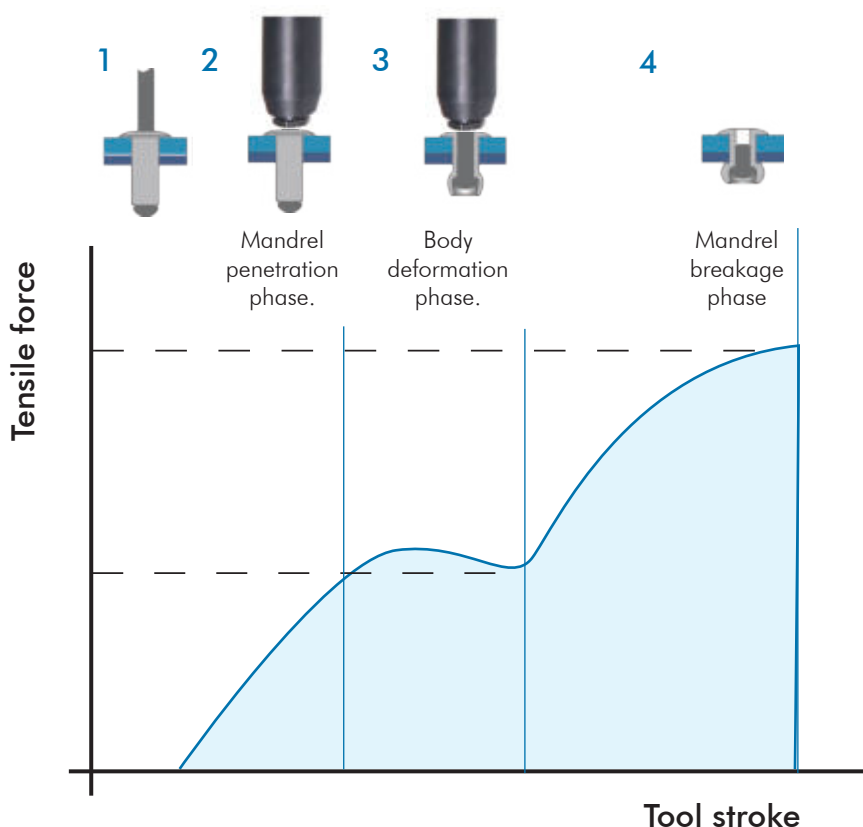
COUNTERSUNK HEAD

This type of head allows the riveting of a bigger thickness. It's designed to appear as a flat surface, flush with application.



RIVETING STRENGTH PROCESS GRAPHIC ◀

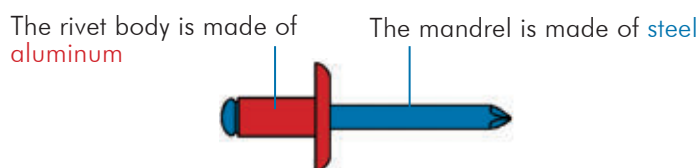
BRALO riveting tools achieve fast installation and low operating costs, maximizing productivity.



RIVET MATERIALS

- We have products made with high-quality materials to ensure they meet the **high quality standards** of various industries.
- The material used to make the mandrel will always be of **equal or greater strength than the material used to make the body**, ensuring sufficient traction to perform the necessary deformation without stretching or breaking it beforehand.

EXAMPLE



Aluminium Mg (EN AW 6101)

Clear metal or coloured. Applications in soft materials and with less resistance.

Aluminium Mg 2,5 (EN AW5052)

Clear metal or coloured. Applications where shear and tensile strengths are needed and with good resistance. It is used for Multigrip rivet.

Aluminium Mg 3 (EN AW 5754)

Clear metal or coloured. Applications in soft materials. It's used in Trebol rivet. High corrosion resistance.

Aluminium Mg 3,5 (EN AW 5154)

Clear metal or coloured. It's used for Standard, Peeled and Grooved rivets for all types of applications.

Aluminium Mg 5.0 (EN AW 5019)

Clear metal or coloured. It's used for rivets in applications where shear and tensile strengths are needed. It has high resistance.

Steel

Common material. Applications in resistant materials. The surface coated steels are governed by ISO 4042 (Zincplated 3μ, 8μ...).

Stainless Steel (304, 316)

Corrosion resistance. Applications where there are adverse weather conditions.

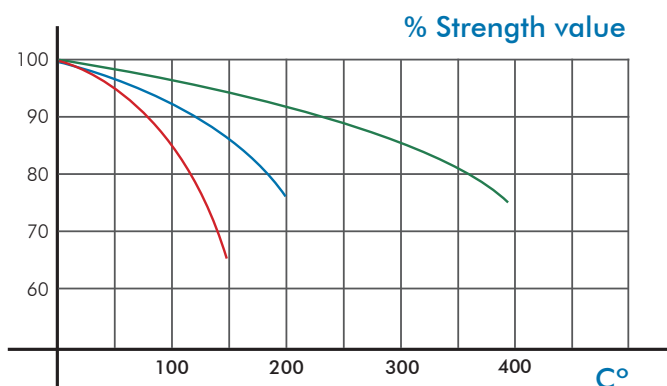
Copper

Thermal and electrical conductor. Applications in soft materials.

Ni-Cu (Nickel Copper Alloy)

High tensile strength. High resistance to corrosion, salt water, acids and alkaline solutions.

TEMPERATURE



MATERIAL COMPATIBILITY

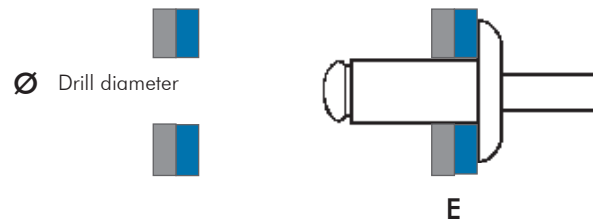
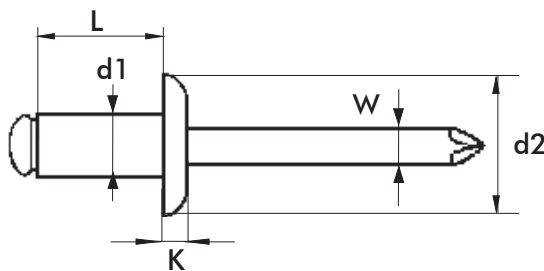
- A rivet is a fastening system designed to join two pieces of material, whether they are the same or different materials.
- We recommend **selecting the rivet material based on the material of the pieces being joined to achieve greater strength**. See the table for how to choose a rivet to minimize galvanic corrosion.

APPLICATION MATERIAL	RIVET BODY MATERIAL					
	Aluminium	Steel + Zinc	Inox. austenitic	Copper	Alloy Ni-Cu	Steel + Ni-Zn
ALUMINIUM						
STEEL +RECU ZINC NICKEL						
STAINLESS STEEL AUSTENITIC						
COPPER						
ALLOY NI-CU						

Optimum:
 Good:
 Moderate:
 Not recommended:

Joints with moderate compatibility can be substantially accelerated in the presence of an electrolyte. In general, the rivet should be more cathodic than the elements to be joined to protect the joint made by the rivet.

EXPLANATION OF THE DATA TABLE



d1 Ø mm	L Nominal mm	€ 1.000 PCS.	 mm	d2 Ø mm	K mm	W Ø mm	PACKAGING  Inner  Outer	 E MIN. mm MAX.	 (N)	 (N)	REFERENCE
Diameter of the body	Length of the body		Diameter of the hole	Diameter of the head	Thickness of the head	Diameter of the mandrel	Packaging	Grip range			Reference

Tensile strength
Occurs when a riveted assembly is subjected to two forces in opposite directions applied in the symmetry axis of the rivet.

Shear strength
Occurs when a riveted assembly is subjected to two opposited forces, applied in the same plane which is perpendicular to the symmetry axis of the rivet.

TYPES OF COATINGS

At BRALO, we have no limits when it comes to variety; we have established the widest range of finishes on the market.

HEAD MATERIAL	TYPE	TEMPERATURE RESISTANCE	CORROSION CONDITIONS	APPEARANCE
Alu/Steel/Inox	Lacquer (epoxy or acrylic paint)	Moderate		■ By color
Steel	Zinc plating with passivation	Moderate		■ Blue ■ Black finish ■ Yellow
Steel	Zinc plating with special passivation	Good		■ According to passivation
Steel	Zinc-iron coating	Moderate		■ Matte gray ■ Black finish
Steel	Zinc-nickel coating	Good		■ Grey
Aluminium o Steel	Delta seal	Moderate		■ Grey silver ■ Matt Black
Aluminium	Aluminium anodisation	Moderate		■ Silver ■ Black
Inox	Stainless steel passivation	Good		■ Without changes

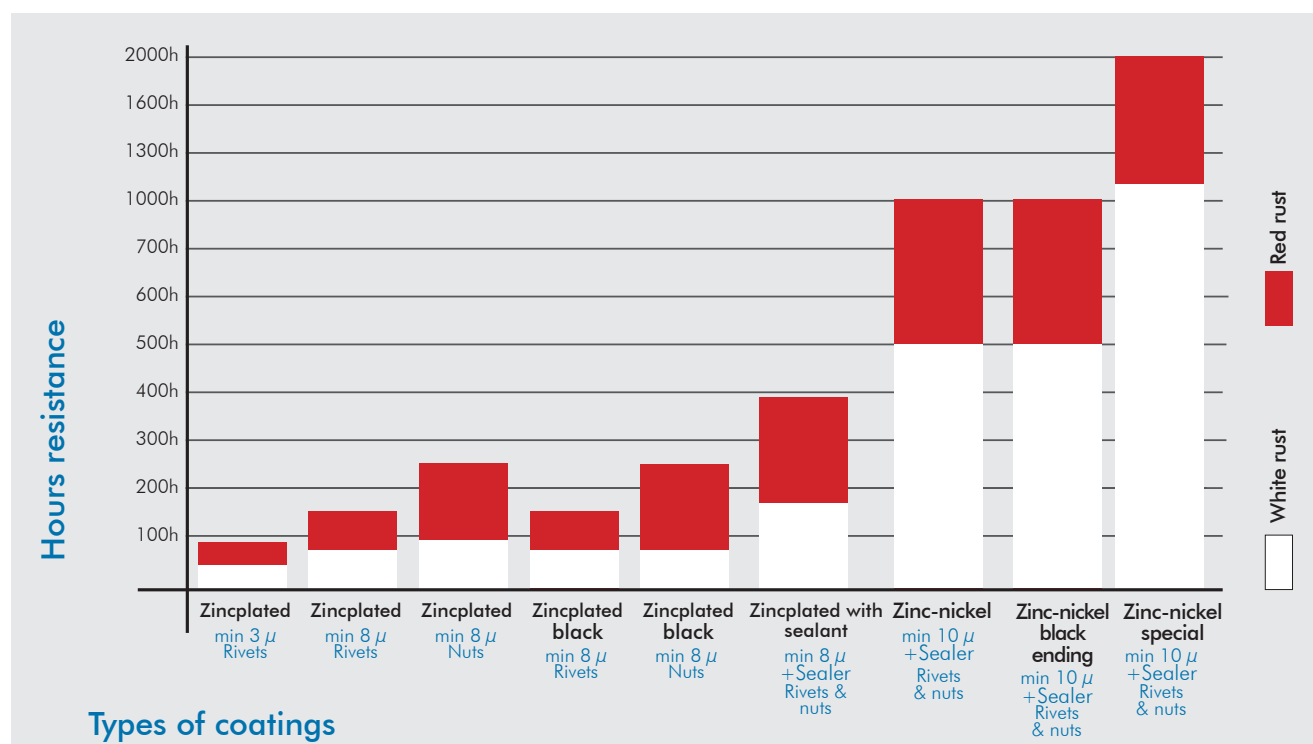
All coating are Cr VI (hexavalent chromium) free.



FASTENERS WITH THE MOST COMMON COATINGS



CORROSION RESISTANCE OF BASE METAL IN STEEL FASTENERS



All the zincplated materials according to EN ISO 4042

TYPES OF LACQUERS

To improve the outdoor performance of all parts, various protective coatings and finishes are used, such as lacquering, which includes manual lacquering and automatic lacquering.



EPOXY PAINT

Used for automatic lacquering of rivets. **Available in over 130 RAL colors**, and we can also produce special lacquers upon request.



Painting aluminium rivet heads for a minimum quantity.

AUTOMATIC LACQUERED

At BRALO, we are characterized by being coating specialists.

The production process consists of painting the rivet heads in an automatic device, connected to a motorgenerator. The equipment has a control panel to regulate the paint valves, pump movement, and the heating equipment. Aluminum rivet heads are lacquered for construction and automotive applications.

ACRYLIC PAINT

Highly durable and highly resistant to UV rays and sunlight, it features a precise color mixing system and is used in manual lacquering.



MANUAL LACQUERED

Our working methods are more personalized because we carry out your projects with more precision, thanks to dry spraying devices with uniform flow distribution.

The already-assembled rivets are placed in trays; the head is lacquered, the fair face, the part that remains in the application.

This lacquering system is intended for clients with specific applications, such as ventilated facades.

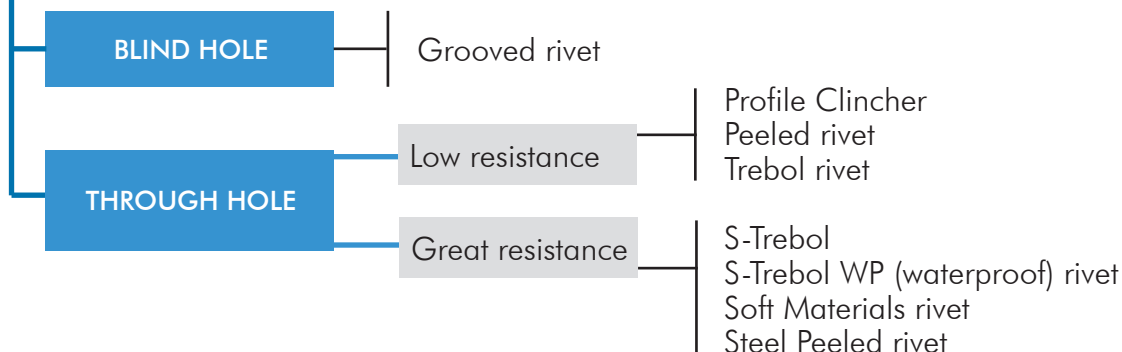


Painting the rivet's face side. Aluminium, steel, and stainless steel rivets are painted, regardless of quantity.

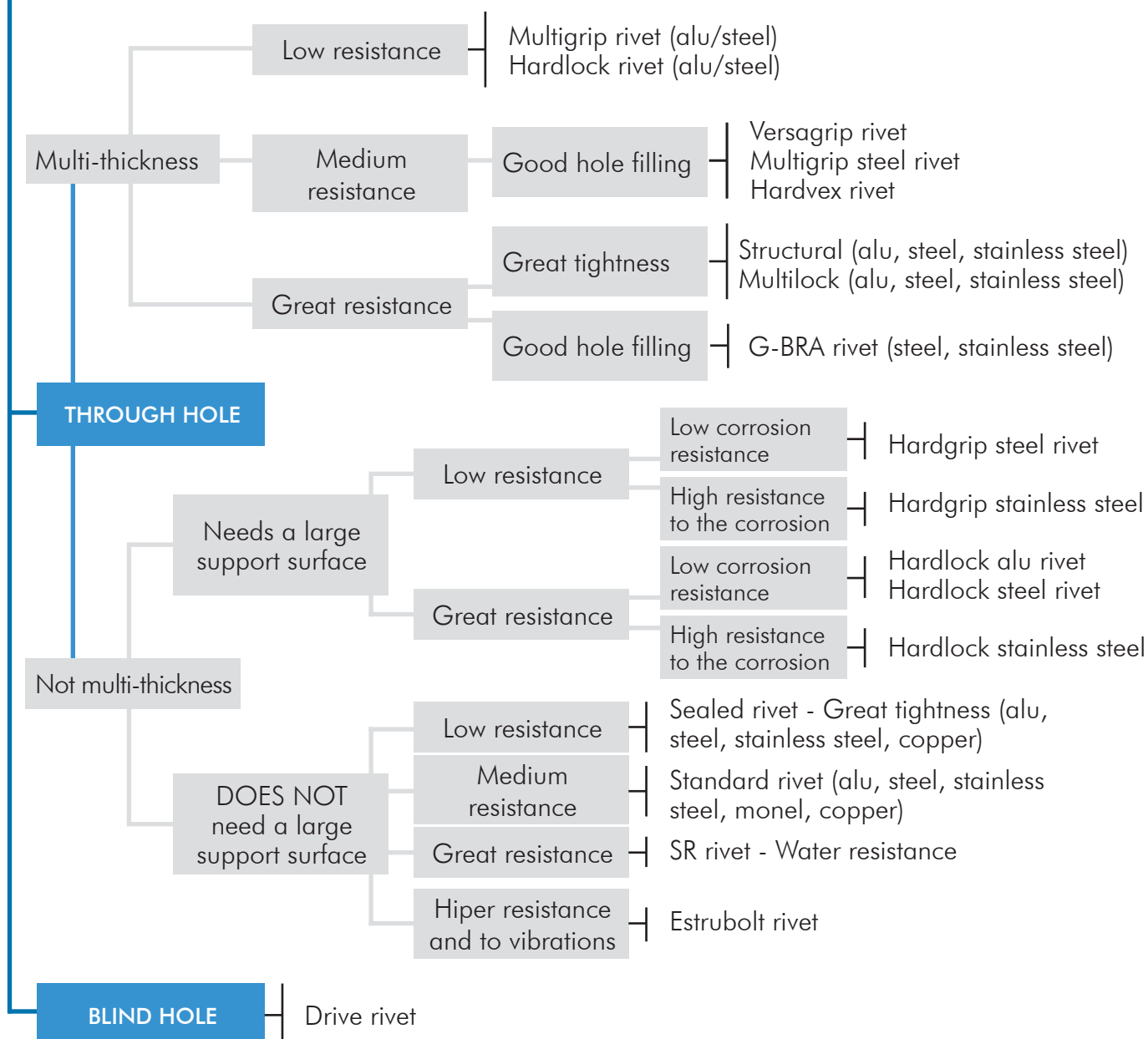
RIVET SELECTION GUIDE

HOW TO CHOOSE THE RIGHT PRODUCT FOR YOUR APPLICATION

SOFT BACK MATERIAL

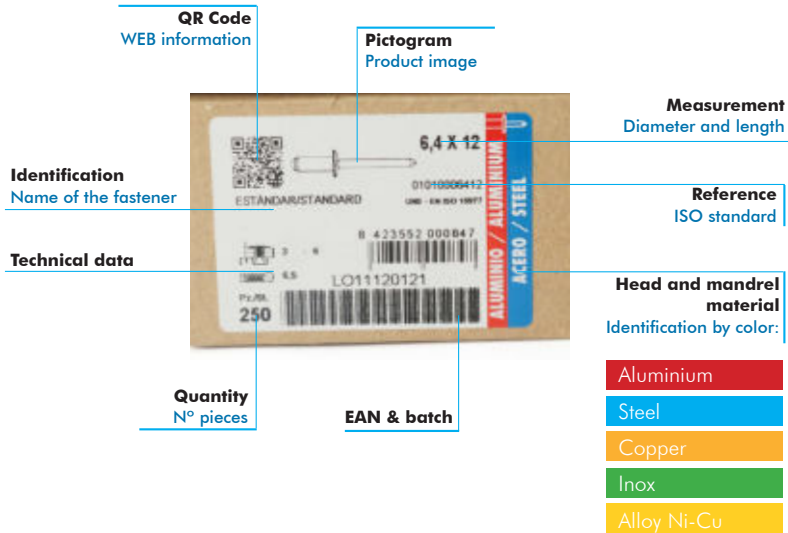


RESISTANT BACK MATERIAL



INDUSTRIAL BOX PACKAGING

Durable packaging to support the weight of rivets or nuts.
Ideal for transport and designed for use in professional work environments or assembly lines.
Rivet counts tailored to the needs of the industry.

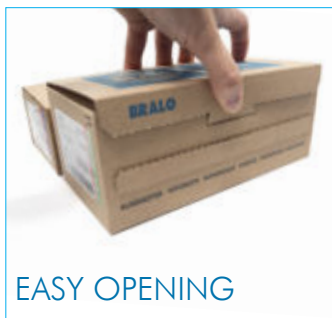


The OUTER BOX has
6 or 8 inner boxes



Bulk box for industry

Two-part box opening for easy handling.



EASY OPENING



STACKABLE BOX

GLOSSARY OF ICONS ◀



Air conditioning, HVAC, lifting, furniture, gutters, containers, electrical appliances and home and industrial appliances...



Construction of ventilated facades, profiles, lifelines, metal structures, roofs and facilities.



Automotive, bodywork, truck aluminium sidewalls, tarpaulins and industrial vehicles sectors.



Drywall.



Locks, handles, brackets, hinges for mailboxes and safes.



Ventilated facades.



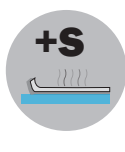
Solar energy.



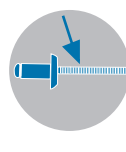
Light covers.



Available with long mandrel.



Available with sealant over zinc plating.



Available with grooved mandrel.



Under request, black Zinc-nickel galvanized rivets are made.



Under request, lacquered and anodized rivets are made. Under request minimum quantity and color according to RAL.



Available in A4 stainless steel.



Available with countersunk head.



Available with large head.

STANDARD RIVETS

Fastening elements that guarantee a secure and firm connection. They are designed for quick and easy use in a variety of applications, where extra-strong clamping force is not required.



- **Effective and economical** solution.
- **Great variety of materials** and types of head.
- **Wide range** of diameters and lengths.

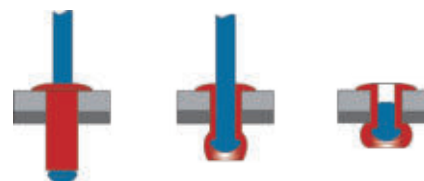
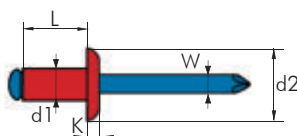


ALUMINIUM/STEEL

Al Mg 3,5

Zincplated 3 μ

STANDARD RIVET Dome head

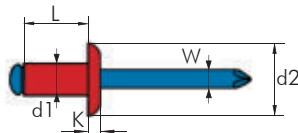
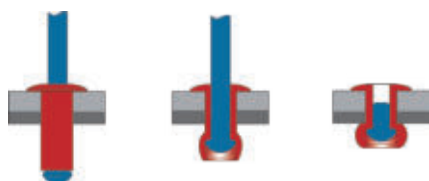


UNE - EN ISO 15977

d1 Ø mm	L Nominal mm	 mm	d2 Ø mm	K mm	W Ø mm	PACKAGING  		 E MIN mm MAX.	 (N)	 (N)	REFERENCE
2.4	4	2,50	5,00	0,60	1,45	1.000	8.000	0,5 - 2,0	350	550	01010002404
	6					1.000	8.000	2,0 - 4,0			01010002406
	8					1.000	8.000	4,0 - 6,0			01010002408
	10					1.000	8.000	6,0 - 8,0			01010002410
	12					1.000	8.000	8,0 - 9,5			01010002412
*3.0	4	3,10	6,00	1,00	1,80	500	4.000	0,5 - 1,5	550	850	01010003004
	5					500	4.000	0,5 - 2,5			01010003005
	6					500	4.000	1,5 - 3,5			01010003006
	7					500	4.000	1,5 - 4,5			01010003007
	8					500	4.000	3,5 - 5,0			01010003008
	9					500	4.000	5,5 - 6,0			01010003009
	10					500	4.000	5,0 - 7,0			01010003010
	12					500	4.000	7,0 - 9,0			01010003012
	14					500	4.000	9,0 - 11,0			01010003014
	16					500	4.000	11,0 - 13,0			01010003016
	18					500	4.000	13,0 - 15,0			01010003018
*3.2	4	3,30	6,40	1,00	1,80	500	4.000	0,5 - 2,5	750	1.100	01010003204
	5					500	4.000	0,5 - 2,5			01010003205
	6					500	4.000	1,5 - 3,5			01010003206
	8					500	4.000	3,5 - 5,0			01010003208
	10					500	4.000	5,0 - 7,0			01010003210
	12					500	4.000	7,0 - 9,0			01010003212
	15					500	4.000	9,0 - 12,0			01010003215
	18					500	4.000	12,0 - 15,0			01010003218
	20					500	4.000	15,0 - 18,0			01010003220

Tests according to EN ISO 14589





UNE - EN ISO 15977

d1 Ø mm	L Nominal mm	 mm	d2 Ø mm	K mm	W Ø mm	PACKAGING  		 MIN. mm MAX.	 (N)	 (N)	REFERENCE
*4,0	5	4,10	8,00	1,40	2,20	500	4.000	0,5 - 2,5	1250	1800	01010004005
	6					500	4.000	1,0 - 3,0			01010004006
	7					500	4.000	3,0 - 4,5			01010004007
	8					500	4.000	3,0 - 5,0			01010004008
	10					500	4.000	5,0 - 6,5			01010004010
	12					500	3.000	6,5 - 8,5			01010004012
	14					500	3.000	8,5 - 10,5			01010004014
	16					500	3.000	10,5 - 12,5			01010004016
	18					500	3.000	12,5 - 14,5			01010004018
	20					500	3.000	14,5 - 16,5			01010004020
	25					250	1.500	16,5 - 21,5			01010004025
	30					250	1.500	21,5 - 26,0			01010004030
	35					250	1.500	26,0 - 31,0			01010004035
	40					250	1.500	31,0 - 36,0			01010004040
*4,8	6	4,90	9,50	1,50	2,65	500	3.000	0,5 - 3,0	1850	2600	01010004806
	8					500	3.000	3,0 - 4,5			01010004808
	10					500	3.000	4,5 - 6,0			01010004810
	12					500	3.000	6,0 - 8,0			01010004812
	14					250	2.000	8,0 - 10,0			01010004814
	16					250	2.000	10,0 - 12,0			01010004816
	18					250	1.500	12,0 - 14,0			01010004818
	21					250	1.500	14,0 - 17,0			01010004821
	24					200	1.200	17,0 - 20,0			01010004824
	27					200	1.200	20,0 - 23,0			01010004827
	30					200	1.200	23,0 - 25,0			01010004830
	32					200	1.200	25,0 - 27,0			01010004832
	35					200	1.200	27,0 - 30,0			010100048352
	40					150	900	30,0 - 35,0			01010004840
	45					100	600	35,0 - 40,0			01010004845
	50					100	600	40,0 - 45,0			01010004850
*5,0	6	5,10	9,50	1,60	2,65	500	3.000	0,5 - 3,0	2.150	3.100	01010005006
	8					500	3.000	3,0 - 4,5			01010005008
	10					500	3.000	4,5 - 6,0			01010005010
	12					500	3.000	6,0 - 8,0			01010005012
	14					250	2.000	8,0 - 10,0			01010005014
	16					250	2.000	10,0 - 12,0			01010005016
	18					250	1.500	12,0 - 14,0			01010005018
	20					250	1.500	14,0 - 16,0			01010005020
	25					200	1.200	16,0 - 21,0			01010005025
	30					200	1.200	21,0 - 25,0			01010005030
	35					150	900	27,0 - 30,0			01010005035
	40					150	900	30,0 - 35,0			01010005040
	45					100	600	35,0 - 40,0			01010005045
	50					100	600	40,0 - 45,0			01010005050
6,0	8	6,10	12,00	1,80	3,20	250	1.500	2,0 - 3,0	3200	4600	01010006008
	10					250	1.500	3,0 - 5,0			01010006010
	12					250	1.500	5,0 - 7,0			01010006012
	14					250	1.500	7,0 - 9,0			01010006014
	16					250	1.500	9,0 - 11,0			01010006016
	18					200	1.200	11,0 - 13,0			01010006018
	20					200	1.200	13,0 - 15,0			01010006020
	25					200	1.200	15,0 - 20,0			01010006025
	30					150	900	20,0 - 25,0			01010006030
	35					100	600	25,0 - 30,0			01010006035
6,4	12	6,50	13,00	2,20	3,60	250	1.500	3,0 - 6,0	3.400	4.850	01010006412
	15					250	1.500	6,0 - 9,0			01010006415
	18					200	1.200	9,0 - 12,0			01010006418
	22					200	1.200	12,0 - 16,0			01010006422
	26					150	900	16,0 - 20,0			01010006426
	30					150	900	20,0 - 22,0			01010006430
	35					100	600	24,0 - 29,0			01010006435
	40						500	29,0 - 34,0			G1010006440
	50						500	29,0 - 42,0			01010006450
7,9	15	8,00	13,50	2,20	3,60		1.000	6,0 - 9,0	5000	7500	G1010007815
	22						1.000	9,0 - 16,0			G1010007822

*Note: These references are only supplied in outer packaging.

Tests according to EN ISO 14589



WHITE

d1 Ø mm	L Nominal mm	WHITE PAINT REFERENCE	PACKAGING 	
2.4	4	01010BL2404	1.000	8.000
	6	01010BL3206	500	4.000
	8	01010BL3208	500	4.000
3.2	10	01010BL3210	500	4.000
	12	01010BL3212	500	4.000
	15	01010BL3215	500	4.000
	18	01010BL3218	500	4.000
4.0	6	01010BL4006	500	4.000
	8	01010BL4008	500	4.000
	10	01010BL4010	500	4.000
	12	01010BL4012	500	3.000
	14	01010BL4014	500	3.000
	16	01010BL4016	500	3.000
	18	01010BL4018	500	3.000
	20	01010BL4020	500	3.000
	25	01010BL4025	250	1.500
4.8	30	01010BL4030	250	1.500
	6	01010BL4806	500	3.000
	8	01010BL4808	500	3.000
	10	01010BL4810	500	3.000
	12	01010BL4812	500	3.000
	14	01010BL4814	250	2.000
	16	01010BL4816	250	2.000
	18	01010BL4818	250	1.500
	21	01010BL4821	250	1.500
	24	01010BL4824	200	1.200
	27	01010BL4827	200	1.200
	30	01010BL4830	200	1.200

9005

d1 Ø mm	L Nominal mm	BLACK PAINT RAL 9005 REFERENCE	PACKAGING 	
2.4	4	01010N02404	1.000	8.000
	6	01010N02406	1.000	8.000
	8	01010N03206	500	4.000
3.2	10	01010N03208	500	4.000
	12	01010N03210	500	4.000
	15	01010N03212	500	4.000
	18	01010N03215	500	4.000
4.0	18	01010N03218	500	4.000
	6	01010N04006	500	4.000
	8	01010N04008	500	4.000
	10	01010N04010	500	4.000
	12	01010N04012	500	3.000
	14	01010N04014	500	3.000
	16	01010N04016	500	3.000
	18	01010N04018	500	3.000
	20	01010N04020	500	3.000
4.8	25	01010N04025	250	1.500
	30	01010N04030	250	1.500
	6	01010N04806	500	3.000
	8	01010N04808	500	3.000
	10	01010N04810	500	3.000
	12	01010N04812	500	3.000
	14	01010N04814	250	2.000
	16	01010N04816	250	2.000
	18	01010N04818	250	1.500
	21	01010N04821	250	1.500
	24	01010N04824	200	1.200
	27	01010N04827	200	1.200
	30	01010N04830	200	1.200
	40	01010N04840	150	900

1015

					
d1 Ø mm	L Nominal mm	BEIGE PAINT RAL 1015 REFERENCE	PACKAGING		
					
3.2	8	01010BE3208	500	4.000	
	10	01010BE3210	500	4.000	
4.0	8	01010BE4008	500	4.000	
	10	01010BE4010	500	4.000	

7016

					
d1 Ø mm	L Nominal mm	GREY PAINT RAL 7016 REFERENCE	PACKAGING		
					
3.2	8	01010GA3208	500	4.000	

7038

					
d1 Ø mm	L Nominal mm	GREY PAINT RAL 7038 REFERENCE	PACKAGING		
					
3.2	8	01010G03208	500	4.000	
4.0	8	01010G04008	500	4.000	
	10	01010G04010	500	4.000	

9006

					
d1 Ø mm	L Nominal mm	GREY PAINT RAL 9006 REFERENCE	PACKAGING		
					
3.2	8	01010G13208	500	4.000	
	10	01010G13210	500	4.000	
4.0	8	01010G14008	500	4.000	
	10	01010G14010	500	4.000	
	12	01010G14012	500	3.000	
4.8	12	01010G14812	500	3.000	

7024

					
d1 Ø mm	L Nominal mm	GREY PAINT RAL 7024 REFERENCE	PACKAGING		
					
3.2	8	01010G43208	500	4.000	
4.0	8	01010G44008	500	4.000	

8017

					
d1 Ø mm	L Nominal mm	BROWN PAINT RAL 8017 REFERENCE	PACKAGING		
					
3.2	8	01010M43208	500	4.000	
4.0	8	01010M44008	500	4.000	
	10	01010M44010	500	4.000	
	12	01010M44012	500	3.000	

BRONZE

					
d1 Ø mm	L Nominal mm	BRONZE PAINT REFERENCE	PACKAGING		
					
4.0	8	01010AB4008	500	4.000	
	10	01010AB4010	500	4.000	
	12	01010AB4012	500	3.000	
4.8	10	01010AB4810	500	3.000	
	12	01010AB4812	500	3.000	

5010

					
d1 Ø mm	L Nominal mm	BLUE PAINT RAL 5010 REFERENCE	PACKAGING		
					
4.0	8	01010A04008	500	4.000	
	10	01010A04010	500	4.000	
	12	01010A04012	500	3.000	

8014

					
d1 Ø mm	L Nominal mm	BROWN PAINT RAL 8014 REFERENCE	PACKAGING		
					
3.2	8	01010M03208	500	4.000	
	10	01010M03210	500	4.000	
4.0	8	01010M04008	500	4.000	
	10	01010M04010	500	4.000	
	12	01010M04012	500	3.000	
4.8	10	01010M04810	500	3.000	
	12	01010M04812	500	3.000	

6005

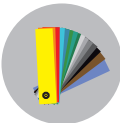
					
d1 Ø mm	L Nominal mm	GREEN PAINT RAL 6005 REFERENCE	PACKAGING		
					
3.2	10	01010V13210	500	4.000	
	8	01010V14008	500	4.000	
4.0	10	01010V14010	500	4.000	
	12	01010V14012	500	3.000	
4.8	10	01010V14810	500	3.000	
	12	01010V14812	500	3.000	

3000

					
d1 Ø mm	L Nominal mm	RED PAINT RAL 3000 REFERENCE	PACKAGING		
					
4.0	8	01010R04008	500	4.000	

COPPER

					
d1 Ø mm	L Nominal mm	COPPER PAINT REFERENCE	PACKAGING		
					
3.2	8	01010CU3208	500	4.000	

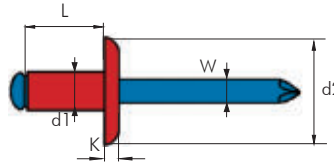
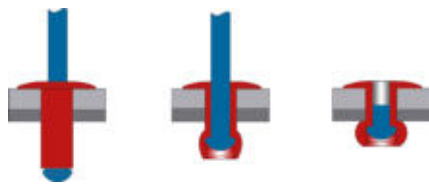


Under request minimum quantity and colour according to RAL.

AVAILABLE COLOURS ACCORDING TO RAL CART

COLOUR	RAL	CODE	COLOUR	RAL	CODE	COLOUR	RAL	CODE	COLOUR	RAL	CODE	COLOUR	RAL	CODE
Bronze		AB	Blue	5015	A8	Grey	7038	G0	Grey	7013	GS	Red	3027	R3
Brown		AM	Blue	5005	A9	Grey	9006	G1	Grey	7023	GU	Red	3003	R4
Black		AN	Blue	5014	AA	Grey	7022	G2	Grey	7043	GV	Red	3016	R5
Gold		AO	Blue	5022	AC	Grey	9002	G3	Grey	7042	GZ	Red	3002	RC
Silver		AP	Blue	5017	AD	Grey	7024	G4	Grey	7046	H6	Red	8012	RP
Copper		CU	Blue	5011	AE	Grey	7035	G5	Grey	7048	H8	Pink	3012	RO
Cava		CV	Blue	5020	AF	Grey	7003	GN	Grey	7008	HA	Orange	2011	ND
Yellow	1021	J0	Blue	5002	AG	Grey	7037	G6	Brown	8011	MV	Orange	2004	NA
Yellow	1104	J1	Blue	5008	AH	Grey	9018	G7	Brown	8014	M0	Orange	2000	NB
Yellow	1028	J2	Blue	5000	AJ	Grey	7032	G8	Brown	8019	M1	Orange	2001	NC
Yellow	1006	J3	Blue	5018	AK	Grey	9007	G9	Brown	8024	M2	Green	6002	V0
Yellow	1003	J4	Cream	1019	BH	Grey	7016	GA	Brown	8004	M3	Green	6005	V1
Yellow	1004	J5	Cream	1014	B4	Grey	7000	GB	Brown	8017	M4	Green	6021	V2
Yellow	1018	J6	Cream	1011	B5	Grey	7031	GC	Brown	8003	M5	Green	6009	V3
Yellow	1023	J7	Cream	1015	BE	Grey	7040	GD	Brown	8028	M6	Green	6024	V4
Yellow	1017	JA	Cream	1013	B1	Grey	7030	GE	Brown	8025	M7	Green	6003	V5
Yellow	1034	JP	Cream	1035	B2	Grey	7011	GF	Brown	8007	M8	Green	6013	V6
Yellow	1032	JR	White	9001	B3	Grey	7005	GG	Brown	8001	M9	Green	6008	V7
Blue	5010	A0	White		BL	Grey	7015	GH	Brown	8022	MA	Green	6011	V8
Blue	5007	A1	White	9016	BM	Grey	7004	GI	Brown	8015	MC	Green	6019	V9
Blue	5001	A2	White	9003	BS	Grey	7021	GJ	Brown	8023	MN	Green	6020	VC
Blue	5012	A3	White	9010	BB	Grey	7047	GL	Black	9005	N0	Green	6018	VD
Blue	5021	A4	Crema	1001	C0	Grey	7033	GM	Black	9011	N1	Green	6028	VP
Blue	5009	A5	Crema	1002	C1	Grey	7003	GN	Red	3000	R0	Green	6032	VS
Blue	5003	A6	Burgundy	3005	D0	Grey	7009	GP	Red	3009	R1	Green	6027	VL
Blue	5013	A7	Burgundy	3007	D1	Grey	7012	GR	Red	3020	R2	Green	6029	VM
			Red	3011	D2									

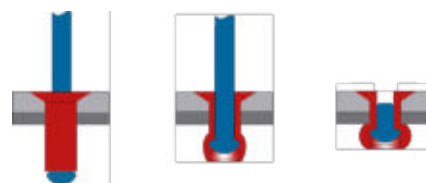
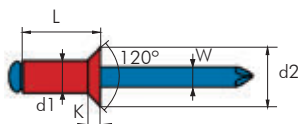
The name of the colours is for guidance only.
Example: Bronze rivet 4.8x35 01010**AB**4835.



d1 Ø mm	L Nominal mm	 mm	d2 Ø mm	K mm	W Ø mm	PACKAGING  		 E MIN. mm MAX.	 (N)	 (N)	REFERENCE
3.2	6	3,30	9,50	1,10	1,80	500	4.000	0,5 - 3,5	750	1100	01030003206
	8					500	4.000	3,5 - 5,0			01030003208
	10					500	4.000	5,0 - 7,0			01030003210
	12					500	4.000	7,0 - 9,0			01030003212
	16					500	3.000	9,0 - 13,0			01030003216
4.0	6	4,10	12,00	1,40	2,20	500	3.000	1,0 - 3,0	1250	1800	01040004006
	8					500	3.000	3,0 - 5,0			01040004008
	10					500	3.000	5,0 - 6,5			01040004010
	12					250	2.000	6,5 - 8,5			01040004012
	14					250	2.000	8,5 - 10,5			01040004014
	16					250	2.000	10,5 - 12,5			01040004016
	18					250	2.000	12,5 - 14,5			01040004018
4.8	10	4,90	14,00	1,80	2,65	250	1.500	4,5 - 6,0	1850	2600	01030004810
	12					250	1.500	6,0 - 8,0			01030004812
	14					250	1.500	8,0 - 10,0			01030004814
	16					250	1.500	10,0 - 12,0			01030004816
	18					200	1.200	12,0 - 14,0			01030004818
	21					200	1.200	14,0 - 17,0			01030004821
	24					150	900	17,0 - 20,0			01030004824
	27					150	900	20,0 - 23,0			01030004827
	30					150	900	23,0 - 25,0			01030004830
	35					100	600	25,0 - 30,0			01030004835
	40					100	600	30,0 - 35,0			01030004840
	45					100	600	35,0 - 40,0			01030004845
4.8	10	4,90	16,00	1,80	2,65	250	1.500	4,5 - 6,0	1850	2600	01040004810
	12					250	1.500	6,0 - 8,0			01040004812
	14					200	1.200	8,0 - 10,0			01040004814
	16					200	1.200	10,0 - 12,0			01040004816
	18					200	1.200	12,0 - 14,0			01040004818
	21					150	900	14,0 - 17,0			01040004821
	24					150	900	17,0 - 20,0			01040004824
	27					150	900	20,0 - 23,0			01040004827
	30					100	600	23,0 - 25,0			01040004830
	35					100	600	25,0 - 30,0			01040004835
5.0	8	5,10	11,00	1,60	2,65	250	2.000	3,0 - 4,5	2150	3100	01031005008
	10					250	2.000	4,5 - 6,0			01031005010
	12					250	2.000	6,0 - 8,0			01031005012
	14					250	1.500	8,0 - 10,0			01031005014
	16					250	1.500	10,0 - 12,0			01031005016
	18					250	1.500	12,0 - 14,0			01031005018
	20					250	1.500	14,0 - 16,0			01031005020
	25					250	1.500	16,0 - 21,0			01031005025
	30					200	1.200	21,0 - 25,0			01031005030
5.0	8	5,10	14,00	1,80	2,65	250	2.000	3,0 - 4,5	2150	3100	01030005008
	10					250	1.500	4,5 - 6,0			01030005010
	12					250	1.500	6,0 - 8,0			01030005012
	14					250	1.500	8,0 - 10,0			01030005014
	16					250	1.500	10,0 - 12,0			01030005016
	18					200	1.200	12,0 - 14,0			01030005018
	20					200	1.200	14,0 - 16,0			01030005020
	25					150	900	16,0 - 21,0			01030005025
	30					150	900	21,0 - 25,0			01030005030
6.4	10	6,50	15,00	2,00	3,60		1.000	2,0 - 4,0	3400	4850	G1035006410
	12						1.000	3,0 - 6,0			G1035006412



Tests according to EN ISO 14589



UNE - EN ISO 15978

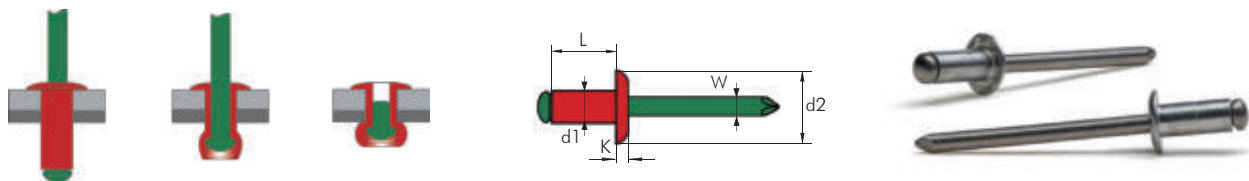
d1 Ø mm	L Nominal mm	 mm	d2 Ø mm	K mm	W Ø mm	PACKAGING		 E MIN. mm MAX.	 (N)	 (N)	REFERENCE
						Inner	Outer				
2.4	6	2,50	5,00	0,80	1,45	1.000	8.000	2,0 - 4,0	350	550	01020002406
	8					1.000	8.000	4,0 - 6,0			01020002408
	10					1.000	8.000	6,0 - 8,0			01020002410
	12					1.000	8.000	8,0 - 9,5			01020002412
3.0	6	3,10	6,00	1,10	1,80	500	4.000	2,0 - 3,5	550	850	01020003006
	8					500	4.000	3,5 - 5,0			01020003008
	10					500	4.000	5,0 - 7,0			01020003010
	12					500	4.000	7,0 - 9,0			01020003012
	14					500	4.000	9,0 - 11,0			01020003014
	16					500	4.000	11,0 - 13,0			01020003016
3.2	6	3,30	6,40	1,10	1,80	500	4.000	2,0 - 3,5	750	1100	01020003206
	8					500	4.000	3,5 - 5,0			01020003208
	10					500	4.000	5,0 - 7,0			01020003210
	12					500	4.000	7,0 - 9,0			01020003212
	15					500	4.000	9,0 - 11,0			01020003215
	18					500	4.000	11,0 - 13,0			01020003218
4.0	6	4,10	7,80	1,40	2,20	500	4.000	1,5 - 3,0	1250	1800	01020004006
	8					500	4.000	3,0 - 5,0			01020004008
	10					500	4.000	5,0 - 6,5			01020004010
	12					500	3.000	6,5 - 8,5			01020004012
	14					500	3.000	8,5 - 10,5			01020004014
	16					500	3.000	10,5 - 12,5			01020004016
	18					500	3.000	12,5 - 14,5			01020004018
	20					500	3.000	14,5 - 16,5			01020004020
4.8	6	4,90	9,50	1,80	2,65	500	3.000	2,0 - 3,0	1850	2600	01020004806
	8					500	3.000	3,0 - 4,5			01020004808
	10					500	3.000	4,5 - 6,0			01020004810
	12					500	3.000	6,0 - 8,0			01020004812
	14					250	2.000	8,0 - 10,0			01020004814
	16					250	2.000	10,0 - 12,0			01020004816
	18					250	1.500	12,0 - 14,0			01020004818
	21					250	1.500	14,0 - 17,0			01020004821
	24					200	1.200	17,0 - 20,0			01020004824
	27					200	1.200	20,0 - 23,0			01020004827
	30					200	1.200	23,0 - 25,0			01020004830
	35					150	900	25,0 - 30,0			01020004835
5.0	6	5,10	9,50	1,80	2,65	500	3.000	2,0 - 3,0	2150	3100	01020005006
	8					500	3.000	3,0 - 4,5			01020005008
	10					500	3.000	4,5 - 6,0			01020005010
	12					500	3.000	6,0 - 8,0			01020005012
	14					250	2.000	8,0 - 10,0			01020005014
	16					250	2.000	10,0 - 12,0			01020005016
	18					250	2.000	12,0 - 14,0			01020005018
	20					250	1.500	14,0 - 16,0			01020005020
	25					200	1.200	16,0 - 21,0			01020005025
	30					200	1.200	21,0 - 25,0			01020005030
6.0	12	6,10	12,00	1,80	3,20	250	1.500	5,0 - 7,0	3200	4600	01020006012
	14					250	1.500	7,0 - 9,0			01020006014
	16					250	1.500	9,0 - 11,0			01020006016
	18					200	1.200	11,0 - 13,0			01020006018
	20					200	1.200	13,0 - 15,0			01020006020
6.4	16	6,50	13,00	1,90	3,60	200	1.200	7,0 - 10,0	3800	4850	01020006416
	20					200	1.200	12,0 - 14,0			01020006420

Tests according to EN ISO 14589



STANDARD RIVET
Dome head

ALUMINIUM/INOX A2
Al Mg 3,5
AISI 304



d1 Ø mm	L Nominal mm	 mm	d2 Ø mm	K mm	W Ø mm	PACKAGING  Inner  Outer		 E MIN. mm MAX.	 (N)	 (N)	REFERENCE
2.4	5	2,50	5,00	0,60	1,45	1.000	8.000	0,5 - 2,0	350	550	01019002405
	6					1.000	8.000	2,0 - 4,0			01019002406
3.0	8	3,10	6,00	1,00	1,80	500	4.000	3,5 - 5,0	550	850	01019003008
	10					500	4.000	5,0 - 7,0			01019003010
3.2	6	3,30	6,40	1,00	1,80	500	4.000	1,5 - 3,5	750	1100	01019003206
	8					500	4.000	3,5 - 5,0			01019003208
	10					500	4.000	5,0 - 7,0			01019003210
	12					500	4.000	7,0 - 9,0			01019003212
	15					500	4.000	9,0 - 12,0			01019003215
	18					500	4.000	12,0 - 15,0			01019003218
	20					500	3.000	15,0 - 18,0			01019003220
4.0	6	4,10	8,00	1,40	2,20	500	4.000	1,0 - 3,0	1250	1800	01019004006
	8					500	4.000	3,0 - 5,0			01019004008
	10					500	4.000	5,0 - 6,5			01019004010
	12					500	3.000	6,5 - 8,5			01019004012
	14					500	3.000	8,5 - 10,5			01019004014
	16					500	3.000	10,5 - 12,5			01019004016
	18					500	3.000	12,5 - 14,5			01019004018
	20					500	3.000	14,5 - 16,5			01019004020
	25					250	1.500	16,5 - 21,5			01019004025
4.8	6	4,90	9,50	1,50	2,65	500	3.000	0,5 - 3,0	1850	2600	01019004806
	8					500	3.000	3,0 - 4,5			01019004808
	10					500	3.000	4,5 - 6,0			01019004810
	12					500	3.000	6,0 - 8,0			01019004812
	14					250	2.000	8,0 - 10,0			01019004814
	16					250	2.000	10,0 - 12,0			01019004816
	18					250	1.500	12,0 - 14,0			01019004818
	21					250	1.500	14,0 - 17,0			01019004821
	24					200	1.200	17,0 - 20,0			01019004824
	27					200	1.200	20,0 - 23,0			01019004827
	30					200	1.200	23,0 - 25,0			01019004830
	35					150	900	25,0 - 30,0			01019004835
	40					150	900	30,0 - 35,0			01019004840
5.0	8	5,10	9,50	1,60	2,65	500	3.000	3,0 - 4,5	2150	3100	01019005008
	10					500	3.000	4,5 - 6,0			01019005010
	12					500	3.000	6,0 - 8,0			01019005012
	14					250	2.000	8,0 - 10,0			01019005014
	16					250	2.000	10,0 - 12,0			01019005016
	18					250	1.500	12,0 - 14,0			01019005018
	20					250	1.500	14,0 - 16,0			01019005020
	25					200	1.200	16,0 - 21,0			01019005025
	30					200	1.200	21,0 - 25,0			01019005030
	35					150	900	27,0 - 30,0			01019005035
	40					150	900	30,0 - 35,0			01019005040
6.0	10	6,10	12,00	1,80	3,20	250	1.500	3,0 - 5,0	3200	4600	01019006010
	12					250	1.500	5,0 - 7,0			01019006012
	14					250	1.500	7,0 - 9,0			01019006014
	16					250	1.500	9,0 - 11,0			01019006016
	18					200	1.200	11,0 - 13,0			01019006018
	20					200	1.200	13,0 - 15,0			01019006020
	25					200	1.200	15,0 - 20,0			01019006025
6.4	12	6,50	13,00	2,20	3,60	250	1.500	3,0 - 6,0	3400	4850	01019006412
	15					250	1.500	6,0 - 9,0			01019006415
	18					200	1.200	9,0 - 12,0			01019006418

Tests according to EN ISO 14589



Note: Alu/stainless steel rivets are manufactured with countersunk heads.

RIVETS FOR VENTILATED FACADES

Standard rivets are used to secure the panels, with the most common rivets in this application being wide-headed aluminum rivets with stainless steel mandrel.



- They offer great resistance thanks to their support area, which achieves twice the surface area
- Designed for applications with soft or brittle materials, they are assembled to a rigid material
- They have good thermal performance and are available in a wide range of lacquers with liquid epoxy paint.



They are installed using the BT-20 riveter with special nosepieces for ventilated facades, as they leave a 0.5 mm gap between the rivet and the base to allow for expansion of the materials during fluctuations between day and night due to different temperatures.



OPTIONAL ACCESSORIES BT-20



Facade nosepiece for rivets with 16 mm head



Facade nosepiece for rivets with 11 and 14 mm head



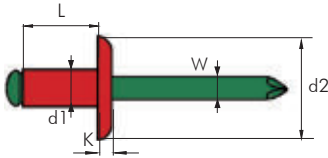
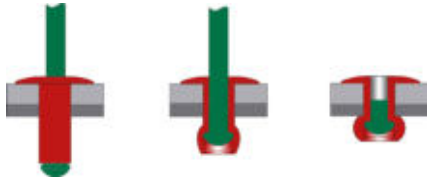
Long nosepiece for hard-to-reach applications



Long nosepiece holder for hard-to-reach applications

STANDARD RIVET
Large head

ALUMINIUM/INOX A2
Al Mg 3,5 AISI 304



d1 Ø mm	L Nominal mm	 mm	d2 Ø mm	K mm	W Ø mm	PACKAGING		 E MIN. mm MAX.	 (N)	 (N)	REFERENCE
						Inner	Outer				
4.0	8	4,10	12,00	1,40	2,20	500	3.000	3,0 - 5,0	1250	1800	01049004008
	10					500	3.000	5,0 - 6,5			01049004010
	12					250	2.000	6,5 - 8,5			01049004012
	14					250	2.000	8,5 - 10,5			01049004014
	16					250	2.000	10,5 - 12,5			01049004016
	18					250	2.000	12,5 - 14,5			01049004018
	20					250	2.000	14,5 - 16,5			01049004020
4.0	18	4,10	15,00	1,60	2,20	500	3.000	8,0 - 13,0	1800	3800	01042004018
	25					250	1500	12,0 - 18,0			01042004025
4.8	21,0	4,90	11,00	1,60	2,65	250	1.500	14,0 - 17,0	1850	2600	01038004821
4.8	10	4,90	14,00	1,80	2,65	250	1.500	4,5 - 6,0	1850	2600	01039004810
	12					250	1.500	6,0 - 8,0			01039004812
	14					250	1.500	8,0 - 10,0			01039004814
	16					250	1.500	10,0 - 12,0			01039004816
	18					200	1.200	12,0 - 14,0			01039004818
	21					200	1.200	14,0 - 17,0			01039004821
	24					150	900	17,0 - 20,0			01039004824
	27					150	900	20,0 - 23,0			01039004827
	30					150	900	23,0 - 25,0			01039004830
	35					100	600	25,0 - 30,0			01039004835
4.8	10	4,9	16,00	1,80	2,65	250	1.500	4,5 - 6,0	1850	2600	01049004810
	12					250	1.500	6,0 - 8,0			01049004812
	14					200	1.200	8,0 - 10,0			01049004814
	16					200	1.200	10,0 - 12,0			01049004816
	18					150	900	12,0 - 14,0			01049004818
	21					150	900	14,0 - 17,0			01049004821
	30					100	600	23,0 - 25,0			01049004830
5.0	10	5,10	11,00	1,60	2,65	250	2.000	4,5 - 6,0	2150	3100	01038005010
	12					250	2.000	6,0 - 8,0			01038005012
	14					250	1.500	8,0 - 10,0			01038005014
	25					250	1.500	16,0 - 21,0			01038005025
	30					200	1.200	21,0 - 25,0			01038005030
5.0	8	5,10	14,00	1,80	2,65	250	2.000	3,0 - 4,5	2150	3100	01039005008
	10					250	1.500	4,5 - 6,0			01039005010
	12					250	1.500	6,0 - 8,0			01039005012
	14					250	1.500	8,0 - 10,0			01039005014
	16					250	1.500	10,0 - 12,0			01039005016
	18					200	1.200	12,0 - 14,0			01039005018
	20					200	1.200	14,0 - 16,0			01039005020
	25					150	900	16,0 - 21,0			01039005025
	30					150	900	21,0 - 25,0			01039005030

Tests according to EN ISO 14589



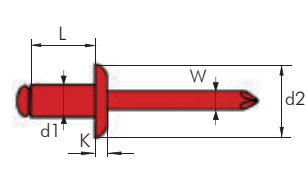
Ventilated facades.



ALUMINIUM/ALUMINIUM

Al Mg Si

STANDARD RIVET
Dome head



d1 Ø mm	L Nominal mm	 mm	d2 Ø mm	K mm	W Ø mm	PACKAGING  		 E MIN. mm MAX.	 (N)	 (N)	REFERENCE
3.2	6	3,30	6,50	0,80	1,95	500	4.000	1,5 - 3,5	400	500	01160003206
	8					500	4.000	3,5 - 5,0			01160003208
	10					500	4.000	5,0 - 7,0			01160003210
	12					500	4.000	7,0 - 9,0			01160003212
	15					500	4.000	9,0 - 12,0			01160003215
	18					500	3.000	12,0 - 15,0			01160003218
4.0	6	4,10	8,00	1,20	2,45	500	4.000	1,0 - 3,0	650	800	01160004006
	8					500	4.000	3,0 - 5,0			01160004008
	10					500	4.000	5,0 - 6,5			01160004010
	12					500	3.000	6,5 - 8,5			01160004012
	14					500	3.000	8,5 - 10,5			01160004014
	16					500	3.000	10,5 - 12,5			01160004016
	18					500	3.000	12,5 - 14,5			01160004018
	20					500	3.000	14,5 - 16,5			01160004020
4.8	6	4,90	9,50	1,50	2,95	500	3.000	0,5 - 3,0	950	1200	01160004806
	8					500	3.000	2,5 - 4,0			01160004808
	10					500	3.000	4,0 - 6,0			01160004810
	12					500	3.000	6,0 - 8,0			01160004812
	14					250	2.000	8,0 - 10,0			01160004814
	16					250	2.000	10,0 - 12,0			01160004816
	18					250	1.500	12,0 - 14,0			01160004818
	21					250	1.500	14,0 - 17,0			01160004821
	24					200	1.200	17,0 - 20,0			01160004824
	27					200	1.200	20,0 - 23,0			01160004827
	30					200	1.200	23,0 - 27,0			01160004830
	35					150	900	27,0 - 30,0			01160004835
	50					100	600	40,0 - 45,0			01160004850

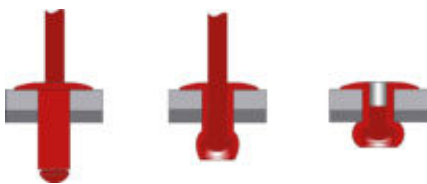
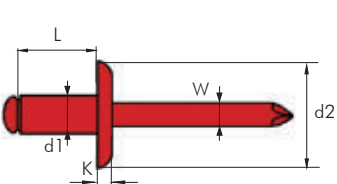


Tests according to EN ISO 14589

ALUMINIUM/ALUMINIUM

Al Mg Si

STANDARD RIVET
Large head



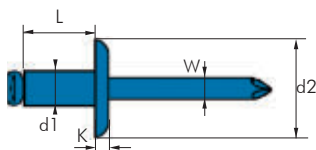
d1 Ø mm	L Nominal mm	 mm	d2 Ø mm	K mm	W Ø mm	PACKAGING  		 E MIN. mm MAX.	 (N)	 (N)	REFERENCE
4.8	10	4,90	14,00	1,80	2,95	250	1.500	4,0 - 6,0	950	1200	01180004810
	12					250	1.500	6,0 - 8,0			01180004812
	14					250	1.500	8,0 - 10,0			01180004814
	16					250	1.500	10,0 - 12,0			01180004816
	18					200	1.200	12,0 - 14,0			01180004818
	21					200	1.200	14,0 - 17,0			01180004821
	24					150	900	17,0 - 20,0			01180004824
4.8	10	4,90	16,00	2,00	2,95		1.500	4,0 - 6,0	1000	1300	G1184004810
	14						1.500	8,0 - 10,0			G1184004814

Tests according to EN ISO 14589



UNE - EN ISO 15979

d1 Ø mm	L Nominal mm	 mm	d2 Ø mm	K mm	W Ø mm	PACKAGING  		 MIN. mm MAX.	 (N)	 (N)	REFERENCE
3.0	6	3,10	6,00	1,00	2,00	500	4.000	0,5 - 3,0	950	1100	01210003006
	8					500	4.000	3,5 - 5,0			01210003008
	10					500	4.000	5,0 - 6,5			01210003010
	12					500	4.000	6,5 - 8,0			01210003012
3.2	6	3,30	6,40	1,00	2,00	500	4.000	0,5 - 3,0	1100	1200	01210003206
	8					500	4.000	3,0 - 5,0			01210003208
	10					500	4.000	5,0 - 6,5			01210003210
	12					500	4.000	6,5 - 8,0			01210003212
	14					500	4.000	8,0 - 10,0			01210003214
	16					500	3.000	10,0 - 12,0			01210003216
4.0	6	4,10	8,00	1,30	2,40	500	4.000	1,0 - 3,0	1700	2200	01210004006
	8					500	4.000	3,0 - 5,0			01210004008
	10					500	4.000	5,0 - 6,5			01210004010
	12					500	3.000	6,5 - 9,0			01210004012
	14					500	3.000	9,0 - 10,0			01210004014
	16					500	3.000	10,0 - 12,0			01210004016
	18					500	3.000	12,0 - 14,0			01210004018
	20					500	3.000	14,0 - 16,0			01210004020
4.8	25					250	1.500	19,0 - 21,0			01210004025
	6	4,90	9,50	1,40	2,93	500	3.000	1,0 - 3,0	2900	3100	01210004806
	8					500	3.000	2,5 - 4,0			01210004808
	9					500	3.000	3,0 - 5,0			01210004809
	10					500	3.000	4,0 - 6,0			01210004810
	12					250	2.000	6,0 - 8,0			01210004812
	14					250	2.000	8,0 - 9,5			01210004814
	16					250	2.000	9,5 - 11,0			01210004816
	18					250	1.500	10,0 - 13,0			01210004818
	21					250	1.500	11,0 - 15,0			01210004821
	24					200	1.200	15,0 - 19,5			01210004824
	30					200	1.200	19,5 - 25,0			01210004830
	35					150	900	25,0 - 30,0			01210004835
5.0	8	5,10	9,50	1,60	2,93	500	3.000	2,5 - 4,0	3100	4000	01210005008
	10					500	3.000	4,0 - 6,0			01210005010
	12					250	2.000	6,0 - 8,0			01210005012
	14					250	2.000	8,0 - 9,5			01210005014
	16					250	2.000	9,5 - 11,0			01210005016
	18					250	1.500	10,0 - 13,0			01210005018
	20					250	1.500	11,0 - 15,0			01210005020
	25					200	1.200	15,0 - 19,5			01210005025
	30					200	1.200	19,5 - 25,0			01210005030
	35					150	900	25,0 - 30,0			01210005035
	40					150	900	30,0 - 34,0			01210005040
	45					100	600	34,0 - 39,0			01210005045
	50					100	600	39,0 - 44,0			01210005050
	55					100	600	44,0 - 49,0			01210005055
6.0	60					100	600	49,0 - 54,0			01210005060
	8	6,10	12,00	1,80	3,60	250	1.500	1,5 - 3,0	4300	4800	01210006008
	10					250	1.500	3,0 - 4,0			01210006010
	12					250	1.500	4,0 - 6,0			01210006012
	14					250	1.500	6,0 - 8,0			01210006014
	16					200	1.200	8,0 - 10,0			01210006016
	18					200	1.200	10,0 - 12,0			01210006018
	20					200	1.200	12,0 - 14,0			01210006020
	25					150	900	14,0 - 19,0			01210006025
	30					150	900	19,0 - 24,0			01210006030
	35					100	600	24,0 - 29,0			01210006035
6.4	8	6,50	13,00	2,20	3,85	250	1.500	1,5 - 3,0	4900	5700	01210006408
	10					250	1.500	3,0 - 4,0			01210006410
	12					250	1.500	4,0 - 6,0			01210006412
	15					200	1.200	6,0 - 9,0			01210006415
	18					200	1.200	9,0 - 11,0			01210006418
	20					150	900	9,0 - 13,0			01210006420
	22					150	900	13,0 - 16,0			01210006422
	25					150	900	13,0 - 19,0			01210006425
	30					100	600	19,0 - 24,0			01210006430
	35					500	24,0 - 29,0				G1210006435



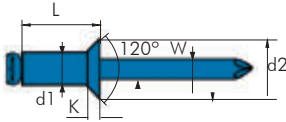
d1 Ø mm	L Nominal mm	 mm	d2 Ø mm	K mm	W Ø mm	PACKAGING		 E MIN. mm MAX.	 (N)	 (N)	REFERENCE
						 Inner	 Outer				
4.0	6	4,10	10,00	1,50	2,40	500	3.000	1,0 - 3,0	1700	2200	01230004006
	8					500	3.000	3,0 - 5,0			01230004008
	10					500	3.000	5,0 - 6,5			01230004010
	12					500	3.000	6,5 - 9,0			01230004012
	14					500	3.000	9,0 - 10,5			01230004014
4.8	8	4,90	14,00	2,10	2,93	250	1.500	2,5 - 4,0	2900	3100	01230004808
	10					250	1.500	4,0 - 6,0			01230004810
	12					250	1.500	6,0 - 8,0			01230004812
	14					250	1.500	8,0 - 9,5			01230004814
	16					250	1.500	9,5 - 11,0			01230004816
	18					200	1.200	10,0 - 13,0			01230004818
	21					200	1.200	11,0 - 15,0			01230004821
	24					150	900	15,0 - 19,5			01230004824
	30					150	900	19,5 - 25,0			01230004830
	35					100	600	25,0 - 30,0			01230004835
4.8	10	4,90	16,00	2,10	2,93	250	1.500	4,0 - 6,0	2900	3100	01240004810
	12					250	1.500	6,0 - 8,0			01240004812
	14					200	1.200	8,0 - 9,5			01240004814
	16					200	1.200	9,5 - 11,0			01240004816
	18					200	1.200	10,0 - 13,0			01240004818
	21					150	900	11,0 - 15,0			01240004821
	24					150	900	15,0 - 19,5			01240004824
6.4	10	6,50	19,00	3,00	3,85		1.000	3,0 - 4,0	4900	5700	G1240006410
	12						1.000	4,0 - 6,0			G1240006412
	15						1.000	6,0 - 9,0			G1240006415
	18						500	9,0 - 12,0			G1240006418
	30						500	19,0 - 24,0			G1240006430
	42						500	32,0 - 37,0			G1240006442

STANDARD RIVET

Countersunk head 120°

STEEL/STEEL

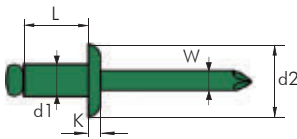
Zincplated 8 μ Zincplated 3 μ



UNE - EN ISO 15980

d1 Ø mm	L Nominal mm	 mm	d2 Ø mm	K mm	W Ø mm	PACKAGING  		 MIN. mmMAX.	 (N)	 (N)	REFERENCE
3.2	6	3,30	6,30	1,00	2,00	500	4.000	1,5 - 3,5	1100	1200	01220003206
	8					500	4.000	3,5 - 5,5			01220003208
	10					500	4.000	5,5 - 7,0			01220003210
	12					500	4.000	7,0 - 9,0			01220003212
4.0	6	4,10	7,60	1,30	2,40	500	4.000	2,0 - 3,0	1700	2200	01220004006
	8					500	4.000	3,0 - 5,0			01220004008
	10					500	4.000	5,0 - 6,5			01220004010
	12					500	3.000	6,5 - 8,0			01220004012
	14					500	3.000	8,0 - 10,0			01220004014
	20					500	3.000	14,0 - 16,0			01220004020
4.8	8	4,90	9,50	1,40	2,93	500	3.000	2,5 - 4,0	2900	3100	01220004808
	10					500	3.000	4,0 - 6,0			01220004810
	12					250	2.000	6,0 - 8,0			01220004812
	14					250	2.000	8,0 - 10,0			01220004814
	16					250	2.000	9,0 - 11,0			01220004816
	18					250	1.500	11,0 - 13,0			01220004818
	20					250	1.500	13,0 - 15,0			01220004820
5.0	12	5,10	9,50	1,60	2,93	250	2.000	6,0 - 8,0	2900	3100	01220005012
	20					250	1.500	13,0 - 15,0			01220005020
	25					200	1.200	15,0 - 19,5			01220005025
6.4	13	6,50	12,50	2,00	3,85	250	1.500	5,0 - 7,0	4900	5700	01220006413
	16					200	1.200	6,0 - 9,0			01220006416
	20					150	900	9,0 - 13,0			01220006420

Tests according to EN ISO 14589



UNE - EN ISO 15983

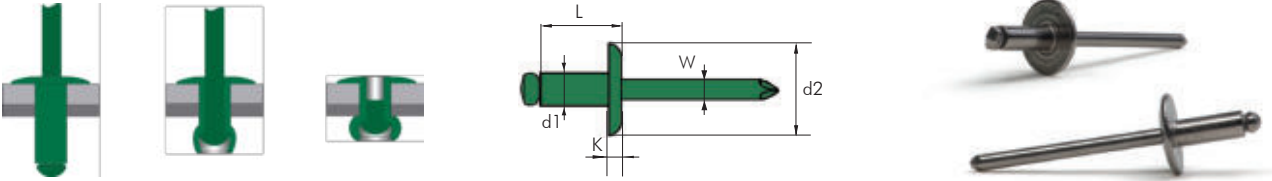
d1 Ø mm	L Nominal mm	 mm	d2 Ø mm	K mm	W Ø mm	PACKAGING  Inner		 MIN. mmMAX.		 (N)	 (N)	REFERENCE
2.4	6	2,50	5,00	0,60	1,50	1000	8.000	2,0	3,5	1000	1250	01260002406
	8					1000	8.000	3,5	5,5			01260002408
	10					1000	8.000	5,5	7,5			01260002410
	12					500	4.000	7,5	9,5			01260002412
3.0	5	3,10	6,00	1,00	2,00	500	4.000	0,5	2,5	1800	2200	01260003005
	6					500	4.000	0,5	3,0			01260003006
	8					500	4.000	3,0	5,0			01260003008
	10					500	4.000	5,0	6,5			01260003010
	12					500	4.000	6,5	8,5			01260003012
	14					500	4.000	8,5	10,5			01260003014
3.2	6	3,30	6,40	1,00	2,10	500	4.000	0,5	3,0	1900	2500	01260003206
	8					500	4.000	3,0	5,0			01260003208
	10					500	4.000	5,0	6,5			01260003210
	12					500	4.000	6,5	8,5			01260003212
	15					500	4.000	8,5	12,0			01260003215
	18					500	3.000	12,0	15,0			01260003218
4.0	6	4,10	8,00	1,30	2,40	500	4.000	1,0	2,5	2700	3500	01260004006
	8					500	4.000	2,5	4,5			01260004008
	10					500	4.000	4,5	6,5			01260004010
	12					500	3.000	6,5	8,5			01260004012
	14					500	3.000	8,5	10,0			01260004014
	16					500	3.000	10,0	12,0			01260004016
	18					500	3.000	12,0	14,0			01260004018
	20					500	3.000	14,0	16,0			01260004020
	25					250	1.500	16,0	21,0			01260004025
4.8	6	4,90	9,00	1,60	3,10	500	3.000	1,5	2,0	4000	5000	01260004806
	8					500	3.000	2,0	4,0			01260004808
	10					500	3.000	4,0	6,0			01260004810
	12					250	2.000	6,0	8,0			01260004812
	14					250	2.000	8,0	9,5			01260004814
	16					250	2.000	9,5	11,0			01260004816
	18					250	1.500	11,0	13,0			01260004818
	20					250	1.500	13,0	16,0			01260004820
	25					200	1.200	16,0	19,0			01260004825
	30					200	1.200	19,0	24,0			01260004830
	35					150	900	24,0	29,0			01260004835
	40					150	900	29,0	34,0			01260004840
5.0	8	5,10	9,00	1,60	3,10	500	3.000	2,0	4,0	4700	5800	01260005008
	10					500	3.000	4,0	6,0			01260005010
	12					250	2.000	6,0	8,0			01260005012
	14					250	2.000	8,0	9,5			01260005014
	16					250	2.000	9,5	11,0			01260005016
	20					250	1.500	13,0	16,0			01260005020
	25					200	1.200	16,0	19,0			01260005025
	30					200	1.200	20,0	25,0			01260005030
	35					150	900	25,0	30,0			01260005035
6.0	12	6,10	11,50	1,90	3,60	250	1.500	4,0	6,0	6000	8000	01260006012
	14					250	1.500	6,0	8,0			01260006014
	16					200	1.200	8,0	10,0			01260006016
	18					200	1.200	10,0	12,0			01260006018
	20					200	1.200	12,0	14,0			01260006020
6.4	12	6,50	12,50	2,20	3,85	250	1.500	2,0	6,0	7000	9000	01260006412
	15					250	1.500	6,0	9,0			01260006415
	18					200	1.200	9,0	12,0			01260006418
	20					150	900	12,0	14,0			01260006420
	25					150	900	14,0	18,0			01260006425

Tests according to EN ISO 14589



STANDARD RIVET
Large head

INOX A2/INOX A2
AISI 304 AISI 304

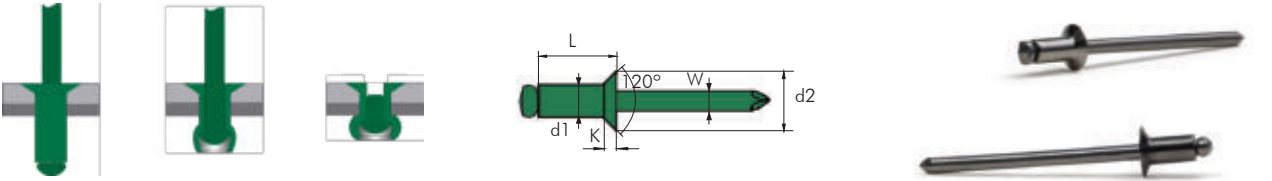


d1 Ø mm	L Nominal mm	 mm	d2 Ø mm	K mm	W Ø mm	PACKAGING  Inner		 Outer	 MIN. mmMAX.	 (N)	 (N)	REFERENCE
3.2	10	3,30	9,50	1,40	2,10	500	4.000		5,0 - 6,5	1900	2500	01310003210
	10	4,10	12,00	1,80	2,40	500	3.000		4,5 - 6,5	2700	3500	01310004010
	13					250	2.000		6,5 - 9,5			01310004013
	16					250	2.000		9,5 - 12,0			01310004016
4.0	18					250	2.000		12,0 - 15,0			01310004018
	25					250	2.000		16,0 - 21,0			01310004025
4.8	8	4,90	14,00	2,20	3,10	250	1.500		2,0 - 4,0	4000	5000	01311004808
	10					250	1.500		4,0 - 6,0			01311004810
	14					250	1.500		8,0 - 10,0			01311004814
4.8	8	4,90	16,00	2,20	3,10	250	1.500		2,0 - 4,0	4000	5000	01310004808
	10					250	1.500		4,0 - 6,0			01310004810
	12					250	1.500		6,0 - 8,0			01310004812
	14					250	1.500		8,0 - 10,0			01310004814
	16					200	1.200		9,5 - 11,0			01310004816
	18					150	900		11,0 - 13,0			01310004818
	20					150	900		13,0 - 16,0			01310004820
	22					100	600		16,0 - 18,0			01310004822
	25					100	600		16,0 - 19,0			01310004825
	30					100	600		19,0 - 24,0			01310004830
	35					100	600		24,0 - 29,0			01310004835

Tests according to EN ISO 14589

STANDARD RIVET
Countersunk head 120°

INOX A2/INOX A2
AISI 304 AISI 304



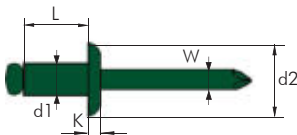
d1 Ø mm	L Nominal mm	 mm	d2 Ø mm	K mm	W Ø mm	PACKAGING  Inner		 Outer	 MIN. mmMAX.	 (N)	 (N)	REFERENCE
3.2	6	3,30	6,30	1,00	2,10	500	4.000		1,5 - 3,0	1900	2500	01270003206
	8					500	4.000		3,0 - 5,0			01270003208
	10					500	4.000		5,0 - 6,5			01270003210
	12					500	4.000		6,5 - 8,5			01270003212
4.0	8	4,10	7,50	1,10	2,40	500	4.000		2,5 - 4,5	2700	3500	01270004008
	10					500	4.000		4,5 - 6,5			01270004010
	12					500	3.000		6,5 - 8,5			01270004012
	15					500	3.000		8,5 - 10,0			01270004014
4.8	8	4,90	9,50	1,40	3,10	500	3.000		2,5 - 4,0	4000	5000	01270004808
	10					500	3.000		4,0 - 6,0			01270004810
	12					250	2.000		6,0 - 8,0			01270004812
	14					250	2.000		8,0 - 10,0			01270004814
	18					250	1.500		12,0 - 14,0			01270004818

UNE - EN ISO 15984

Tests according to EN ISO 14589

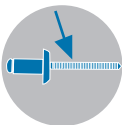


INOX A2



d1 Ø mm	L Nominal mm	 mm	d2 Ø mm	K mm	W Ø mm	PACKAGING		 E MIN. mm MAX.	 (N)	 (N)	REFERENCE
						 Inner	 Outer				
3.0	6	3,10	6,00	1,00	2,00	500	4.000	0,5 - 3.0	1800	2520	01340003006
	6	3,30	6,40	1,00	2,10	500	4.000	0,5 - 3.0	1900	2500	01340003206
3.2	8					500	4.000	3.0 - 5.0			01340003208
	10					500	4.000	5.0 - 6.5			01340003210
	12					500	4.000	6.5 - 8,5			01340003212
	15					500	4.000	8,5 - 12,0			01340003215
4.0	6	4,10	8,00	1,30	2,40	500	4.000	1,0 - 2,5	2700	3500	01340004006
	8					500	4.000	2,5 - 4,5			01340004008
	10					500	4.000	4,5 - 6,5			01340004010
	12					500	3.000	6,5 - 8,5			01340004012
	14					500	3.000	8,5 - 10,0			01340004014
	16					500	3.000	10,0 - 12,0			01340004016
	20					500	3.000	14,5 - 16,0			01340004020
4.8	8	4,90	9,00	1,60	3,10	500	3.000	2,0 - 4,0	4000	5000	01340004808
	10					500	3.000	4,0 - 6,0			01340004810
	12					250	2.000	6,0 - 8,0			01340004812
	14					250	2.000	8,0 - 9,5			01340004814
	16					250	2.000	9,5 - 11,0			01340004816
	18					250	1.500	11,0 - 13,0			01340004818
	20					250	1.500	13,0 - 16,0			01340004820
	25					200	1.200	16,0 - 19,0			01340004825
5.0	8	5,10	9,00	1,60	3,10	500	3.000	2,0 - 4,0	4700	5800	01340005008
	10					500	3.000	4,0 - 6,0			01340005010
	12					250	2.000	6,0 - 8,0			01340005012
	14					250	2.000	8,0 - 9,5			01340005014
	16					250	2.000	9,5 - 11,0			01340005016
	18					250	1.500	11,0 - 13,0			01340005018
	20					250	1.500	13,0 - 16,0			01340005020
	35					150	900	25,0 - 29,0			01340005035
	40					150	900	29,0 - 34,0			01340005040

Tests according to EN ISO 14589



Note: We manufacture grooved mandrel rivets on request.

COPPER RIVETS

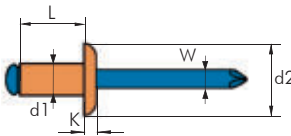


Copper is an electrically conductive material, making copper rivets suitable for electrical and electronic devices. They are ideal for applications with blind holes other than through holes and for soft materials.

Bronze mandrel rivets provide greater corrosion resistance compared to steel mandrel.

STANDARD RIVET Dome head

COPPER/STEEL Zincplated 3



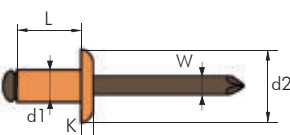
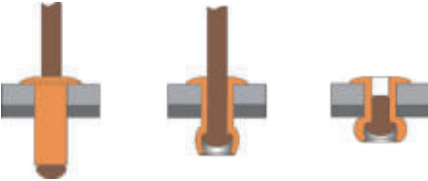
UNE - EN ISO 16582

d1 Ø mm	L Nominal mm	 mm	d2 Ø mm	K mm	W Ø mm	PACKAGING  Inner  Outer		 E MIN. mm MAX.	 (N)	 (N)	REFERENCE
3.0	6	3,10	6,00	1,00	1,80	500	4.000	2,0 - 3,0	760	950	01250003006
	8					500	4.000	3,0 - 5,0			01250003008
	10					500	4.000	5,0 - 7,0			01250003010
	12					500	4.000	7,0 - 9,0			01250003012
4.0	6	4,10	8,00	1,30	2,40	500	4.000	2,5 - 3,5	1500	1800	01250004006
	8					500	4.000	3,5 - 5,0			01250004008
	10					500	4.000	5,0 - 7,0			01250004010
	12					500	3.000	7,0 - 8,5			01250004012
	14					500	3.000	8,5 - 10,0			01250004014
	16					500	3.000	10,0 - 12,5			01250004016
4.8	8	4,90	9,50	1,40	2,93	500	3.000	2,5 - 4,0	2000	2500	01250004808
	10					500	3.000	4,0 - 6,0			01250004810
	12					500	3.000	6,0 - 8,0			01250004812
	14					250	2.000	8,0 - 10,0			01250004814
	16					250	2.000	10,0 - 12,0			01250004816

Tests according to EN ISO 14589

STANDARD RIVET Dome head

COPPER/BRONZE



UNE - EN ISO 16582

d1 Ø mm	L Nominal mm	 mm	d2 Ø mm	K mm	W Ø mm	PACKAGING  Inner  Outer		 E MIN. mm MAX.	 (N)	 (N)	REFERENCE
3.0	6	3,10	6,00	1,00	1,80	500	4.000	2,0 - 3,0	760	950	01400003006
	8					500	4.000	3,0 - 5,0			01400003008
	10					500	4.000	5,5 - 7,0			01400003010
	12					500	4.000	7,0 - 9,0			01400003012
3.2	6	3,30	6,40	1,00	1,80	500	4.000	2,0 - 3,0	800	1000	01400003206
	8					500	4.000	3,0 - 5,0			01400003208
	10					500	4.000	5,0 - 7,0			01400003210
	12					500	4.000	7,0 - 9,0			01400003212
4.0	6	4,10	8,00	1,30	2,40	500	4.000	2,5 - 3,5	1500	1800	01400004006
	8					500	4.000	3,5 - 5,0			01400004008
	10					500	4.000	5,0 - 7,0			01400004010
	12					500	3.000	7,0 - 8,5			01400004012
	14					500	3.000	8,5 - 10,0			01400004014
	16					500	3.000	10,0 - 12,5			01400004016

Tests according to EN ISO 14589

ALLOY RIVETS

NICKEL COPPER

Nickel-copper
alloy (approx. 65% nickel,
33% copper and 2% iron)



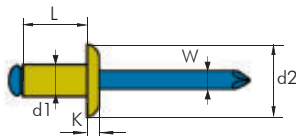
- High tensile strength.
- High resistance to atmospheric corrosion, salt water and many acids and alkaline solutions.

ALLOY Ni-Cu/STEEL

Zincplated 8 μ

STANDARD RIVET

Dome head



UNE - EN ISO 16584

d1 Ø mm	L Nominal mm	 mm	d2 Ø mm	K mm	W Ø mm	PACKAGING		 E MIN. mm MAX.	 (N)	 (N)	REFERENCE
						 Inner	 Outer				
3.2	6,2	3,30	6,00	0,80	2,00	500	4.000	1,8 - 3,1	1500	1900	01390003206
	7,5					500	4.000	3,1 - 4,3			01390003208
	10,3					500	4.000	4,3 - 7,1			01390003210
4.0	6,2	4,10	6,70	1,00	2,40	500	4.000	0,5 - 2,5	2200	3000	01390004006
	7,9					500	4.000	2,5 - 4,1			01390004008
	9,5					500	4.000	4,1 - 5,8			01390004010
	11,5					500	3.000	5,8 - 7,9			01390004012
4.8	7,6	4,90	8,10	1,10	2,90	500	3.000	2,3 - 3,8	3300	3750	01390004808
	10,0					500	3.000	3,8 - 5,8			01390004810
	13,0					250	2.000	5,8 - 8,6			01390004813
	16,5					250	2.000	5,0 - 12,5			01390004817
	19,0					250	1.500	12,5 - 15,0			01390004819
6.4	13,0	6,50	12,50	2,20	3,85	250	1.500	0,0 - 7,6	7000	9000	01390006413
	18,0					200	1.200	7,6 - 12,7			01390006418
	23,0					150	900	12,7 - 17,8			01390006423
	28,0					100	600	17,8 - 22,9			01390006428

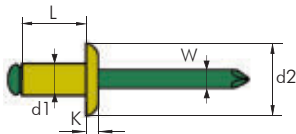
Tests according to EN ISO 14589

STANDARD RIVET
Countersunk head

ALLOY Ni-Cu/STEEL
Zincplated 8 μ

d1 Ø mm	L Nominal mm	 mm	d2 Ø mm	K mm	W Ø mm	PACKAGING 		 E MIN. mm MAX.	 (N)	 (N)	REFERENCE	
3.0	5,8	3,30	6,30	1,00	2,10	500	4.000	0,5 - 2,5	1500	1900	01392003206	
	7,0					500	4.000	2,5 - 3,8			01392003207	
	8,5					500	4.000	3,8 - 5,1			01392003208	
	10,0					500	4.000	5,1 - 6,6			01392003210	
4,0	8,7	4,10	7,5	1,10	2,40	500	4.000	3,3 - 4,8	2200	2750	01392004009	
	11,3					500	4.000	4,8 - 7,4			01392004011	
4.8	9,0	4,90	9,5	1,50	2,93	500	3.000	3,0 - 4,6	3300	3750	01392004809	
	11,0					500	3.000	4,6 - 6,6			01392004811	
	14,0					250	1.500	6,6 - 9,4			01392004814	
	18,0					250	1.500	9,4 - 13,2			01392004818	
	120,5					250	1.500	13,2 - 15,7			01392004821	
6.4	14,5	6.5	12,50	2,00	3,85	250	1.500	5,0 - 9,0	7000	9000	01392006414	
	19,5					200	1.200	9,0 - 13,,			01392006419	

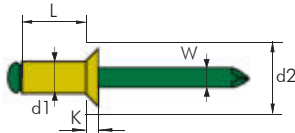
Tests according to EN ISO 14589



UNE - EN ISO 16584

d1 Ø mm	L Nominal mm	 mm	d2 Ø mm	K mm	W Ø mm	PACKAGING		 E MIN. mm MAX.	 (N)	 (N)	REFERENCE
						 Inner	 Outer				
3.2	6,2	3,30	6,00	0,80	2,00	500	4.000	1,8 - 3,1	1500	1900	01399003206
	7,5					500	4.000	3,1 - 4,3			01399003208
	10,3					500	4.000	4,3 - 7,1			01399003210
4,0	6,2	4,10	6,70	1,00	2,40	500	4.000	0,5 - 2,5	2200	3000	01399004006
	7,9					500	4.000	2,5 - 4,1			01399004008
	9,5					500	4.000	4,1 - 5,8			01399004010
	11,5					500	3.000	5,8 - 7,9			01399004012
4.8	7,6	4,90	8,10	1,10	2,90	500	3.000	2,3 - 3,8	3300	3750	01399004808
	10,0					500	3.000	3,8 - 5,8			01399004810
	13,0					250	2.000	5,8 - 8,6			01399004813
	16,5					250	2.000	5,0 - 12,5			01399004817
	19,0					250	1.500	12,5 - 15,0			01399004819
6.4	13,0	6,50	12,50	2,20	3,85	250	1.500	0,0 - 7,6	7000	9000	01399006413
	18,0					200	1.200	7,6 - 12,7			01399006418
	23,0					150	900	12,7 - 17,8			01399006423
	28,0					100	600	17,8 - 22,9			01399006428

Tests according to EN ISO 14589



d1 Ø mm	L Nominal mm	 mm	d2 Ø mm	K mm	W Ø mm	PACKAGING		 E MIN. mm MAX.	 (N)	 (N)	REFERENCE
						 Inner	 Outer				
6.4	14,5	6.5	12,50	2,00	3,85	250	1.500	4,6 - 8,4	7000	9000	01396006414
	19,5					200	1.200	8,4 - 13,5			01396006419

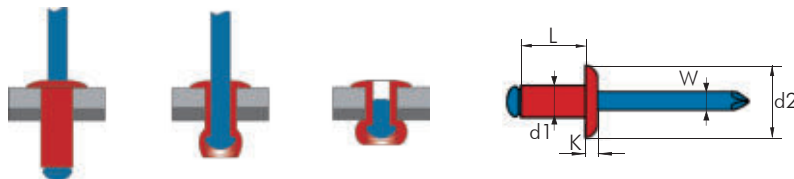
Tests according to EN ISO 14589

STANDARD RIVETS

Specially designed for large thicknesses such as profiles and laminated plasterboard.

TUBE STANDARD RIVET Dome head

ALUMINIUM/STEEL
Al Mg 3 Zincplated 3 µ



UNE - EN ISO 15977

d1 Ø mm	L Nominal mm	 mm	d2 Ø mm	K mm	W Ø mm	PACKAGING  	 MIN. mm MAX.	 (N)	 (N)	REFERENCE
5.0	55	5,10	9,50	1,60	2,73	100 600	45,0 - 50,0	1900	2300	01050005055
	60					500	50,0 - 55,0			01050005060
	65					500	55,0 - 60,0			01050005065
	70					500	60,0 - 65,0			01050005070
	75					500	65,0 - 70,0			01050005075
	80					500	70,0 - 75,0			01050005080
	90					500	75,0 - 85,0			01050005090
	100					500	85,0 - 95,0			01050005100
	110					500	95,0 - 105,0			01050005110
	120					250	105,0 - 115,0			01050005120
	130					250	115,0 - 125,0			01050005130
	140					250	125,0 - 135,0			01050005140
	150					250	135,0 - 145,0			01050005150
	160					250	145,0 - 155,0			01050005160
	170					250	155,0 - 165,0			01050005170
6.4	180					250	165,0 - 175,0			01050005180
	190					250	175,0 - 185,0			01050005190
	80	6,50	12,5	1,80	3,60	500	42,0 - 73,0	2450	3400	01050006480
	100					250	73,0 - 93,0			010500064100
	120					250	93,0 - 113,0			010500064120
	150					250	113,0 - 143,0			010500064150
	175					250	143,0 - 168,0			010500064175

Tests according to EN ISO 14589

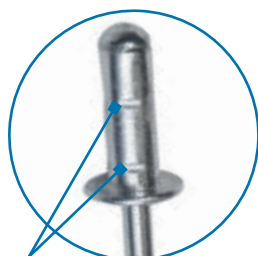


MULTIGRIP RIVETS

Clamping element that offers the ability to work with a wide variety of thicknesses. Suitable for working with plastics and thin metal sheets.



Pressing for better filling of the drill hole

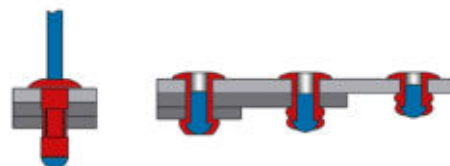
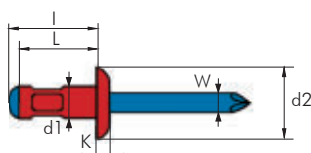


The Ø6.4 mm rivet has a double crimp.

- A single rivet can be used to replace several standard rivets.
- Large support area on the blind side distributes the load and tightening force.
- Good hole filling allows for compensating for uneven, misaligned, or oversized holes.

ALUMINIUM/STEEL
Al Mg 2,5 Zincplated 3 µ

MULTIGRIP RIVET
Dome head



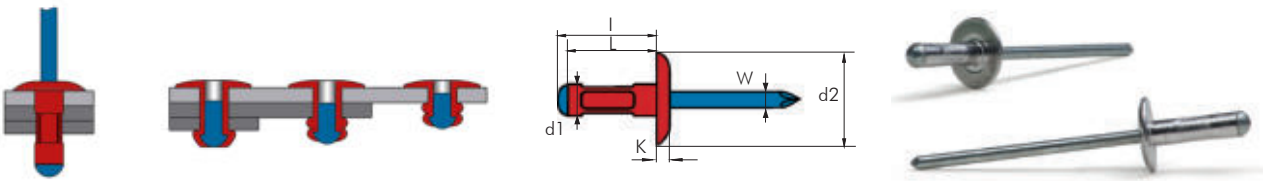
d1 Ø mm	L Nominal mm	 mm	d2 Ø mm	K mm	W Ø mm	PACKAGING  Inner  Outer		I Máx. mm	 E MIN. mm MAX.	 (N)	 (N)	REFERENCE
3.2	8,0	3,30-3,40	6,50	1,10	1,80	500	4.000	11,0	0,5 - 5,0	630	980	01080003208
	9,5					500	4.000	12,5	1,5 - 6,5			01080003209
	11,0					500	4.000	14,0	4,0 - 8,0			01080003211
4.0	6,8	4,10-4,20	8,20	1,40	2,20	500	4.000	10,0	0,5 - 3,5	1050	1400	010800040068
	7,5					500	4.000	10,5	1,0 - 4,5			01080004008
	9,5					500	3.000	12,5	1,0 - 6,0			01080004009
	11,0					500	3.000	14,0	2,0 - 7,0			01080004011
	12,5					500	3.000	15,5	4,0 - 9,0			01080004012
	16,5					500	3.000	19,5	6,0 - 13,0			01080004016
4.8	10,5	4,90-5,00	9,90	1,60	2,75	250	2.000	14,0	0,5 - 5,5	1500	2300	01080004810
	12,5					250	2.000	16,0	2,5 - 7,5			01080004812
	15,0					250	2.000	18,0	3,5 - 10,0			01080004815
	16,5					250	1.500	20,0	5,5 - 11,5			01080004816
	19,5					250	1.500	23,0	7,5 - 14,5			01080004819
	24,5					200	1.200	28,0	11,5 - 19,5			01080004824
6.4	12,5	6.5	13,00	1,80	3,60	250	1.500	17,0	1,0 - 6,0	2800	4000	01080006412
	15,5					200	1.200	20,0	4,0 - 9,0			01080006415
	18,5						1.000	23,0	6,0 - 12,0			G1080006418
	25,5						1.000	30,0	9,0 - 19,0			G1080006425

Tests according to EN ISO 14589



MULTIGRIP RIVET
Large head

ALUMINIUM/STEEL
Al Mg 2,5 Zincplated 3 µ



d1 Ø mm	L Nominal mm	 mm	d2 Ø mm	K mm	W Ø mm	PACKAGING  		I Máx. mm	 E MIN. mm MAX.	 (N)	 (N)	REFERENCE
3.2	8,0	3,30-3,40	9,50	1,10	1,80	500	4.000	10,1	0,5 - 5,0	630	980	01100003208
4.0	13,0	4,10-4,20	12,00	1,60	2,20	250	2.000	16,0	3,0 - 9,0	1050	1500	01100004013
	16,0					250	2.000	19,5	6,0 - 13,0			01100004016
4.8	10,5	4,90-5,00	16,00	1,80	2,75	150	900	14,0	0,5 - 5,5	1500	2400	01100004810
	17,0					150	900	20,0	5,0 - 12,0			01100004817
	25,0					100	600	28,0	12,0 - 20,0			01100004825

Tests according to EN ISO 14589

MULTIGRIP RIVET COLOUR
Large head



d1 Ø mm	L Nominal mm	BLACK PAINT REFERENCE	PACKAGING	
			Inner	Outer
4.0	13,0	01100N04013	250	2.000
	16,0	01100N04016	250	2.000
4.8	10,5	01100N04810	150	900
	17,0	01100N04817	150	900
	19,0	01100N04819	150	900
	25,0	01100N04825	100	600

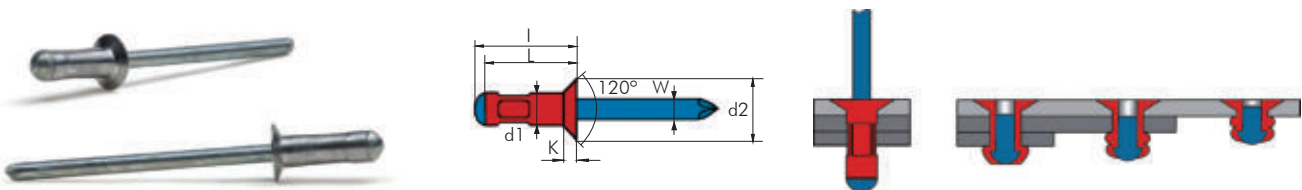


ALUMINIUM/STEEL

Al Mg 2,5

Zincplated 3 µ

MULTIGRIP RIVET Countersunk head 120°



d1 Ø mm	L Nominal mm	 mm	d2 Ø mm	K mm	W Ø mm	PACKAGING		I Máx. mm	 E MIN. mm MAX.	 (N)	 (N)	REFERENCE
						Inner	Outer					
3.2	9,5	3,30-3,40	6,00	1,00	1,80	500	4.000	12,0	1,5 - 6,0	630	980	01090003209
4.0	11,0	4,10-4,20	7,50	1,10	2,20	500	3.000	14,0	2,0 - 8,0	1050	1400	01090004011
4.8	12,0 16,5	4,90-5,00	9,50	1,60	2,75	250	2.000	16,0	1,0 - 6,5	1500	2400	01090004812
						250	1.500	20,0	5,0 - 11,0			01090004816

Tests according to EN ISO 14589

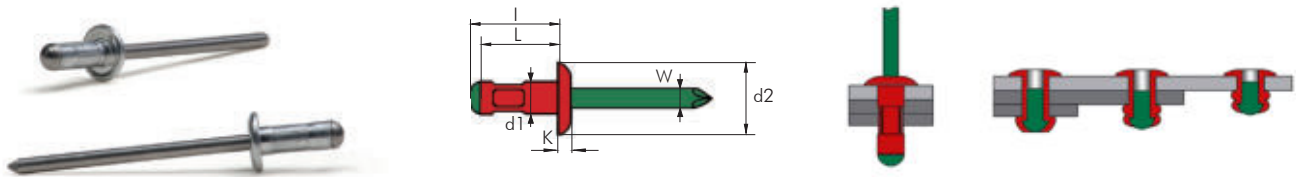


ALUMINIUM/INOX A2

Al Mg 2,5

AISI 304

MULTIGRIP RIVET Dome head



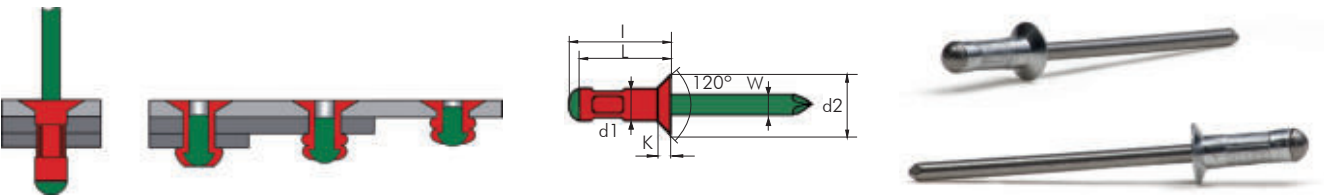
d1 Ø mm	L Nominal mm	 mm	d2 Ø mm	K mm	W Ø mm	PACKAGING		I Máx. mm	 E MIN. mm MAX.	 (N)	 (N)	REFERENCE
						Inner	Outer					
3.2	8,0	3,30-3,40	6,50	1,10	1,80	500	4.000	10,00	0,5 - 5,0	650	1000	01089003208
	11,0					500	4.000	13,00	4,0 - 8,0			01089003211
4.0	9,5	4,90-5,00	9,90	1,60	2,75	500	3.000	12,50	1,0 - 6,0			01089004009
	12,5					500	3.000	15,50	4,0 - 9,0			01089004012
	16,5					500	3.000	19,50	6,0 - 13,0			01089004016
4.8	10,0	6,50-6,70	13,00	1,80	3,60	250	2.000	14,00	0,5 - 5,5	1500	2300	01089004810
	15,0					250	2.000	18,00	3,5 - 10,0			01089004815
	16,5					250	1.500	20,00	5,5 - 11,5			01089004816
	24,0					200	1.200	28,00	11,5 - 19,5			01089004824
6.4	12,5					250	1.500	17,00	1,0 - 6,0	2800	4000	01089006412
	15,5					100	800	20,00	4,0 - 9,0			01089006415
	25,5						1.000	35,00	9,0 - 19,0			G1089006425

Tests according to EN ISO 14589



MULTIGRIP RIVET
Countersunk head 120°

ALUMINIUM/INOX A2
Al Mg 2,5 AISI 304

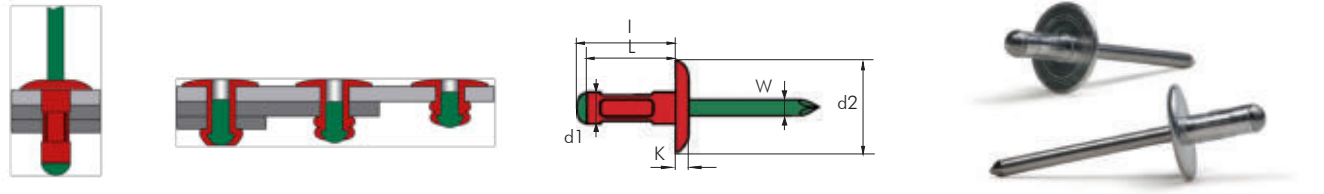


d1 Ø mm	L Nominal mm	 mm	d2 Ø mm	K mm	W Ø mm	PACKAGING		l Máx. mm	 MIN. mmMAX.	 (N)	 (N)	REFERENCE
						 Inner	 Outer					
4.8	12,0	4,90-5,10	9,50	1,60	2,75	250	2.000	16,0	1,0 - 7,0	1500	2400	01099004812
	16,5					250	1.500	20,0	5,5 - 11,5			01099004816

Tests according to EN ISO 14589

MULTIGRIP RIVET
Large head

ALUMINIUM/INOX A2
Al Mg 2,5 AISI 304



d1 Ø mm	L Nominal mm	 mm	d2 Ø mm	K mm	W Ø mm	PACKAGING		l Máx. mm	 MIN. mmMAX.	 (N)	 (N)	REFERENCE
						 Inner	 Outer					
4.8	10,5	4,90-5,00	16,00	1,80	2,75	200	1.200	14,0	0,5 - 5,5	1500	2400	01109004810
	17,0					150	900	20,0	5,0 - 12,0			01109004817
	19,0					150	900	22,0	7,0 - 14,0			01109004819
	25,0					100	600	28,0	12,0 - 20,0			01109004825

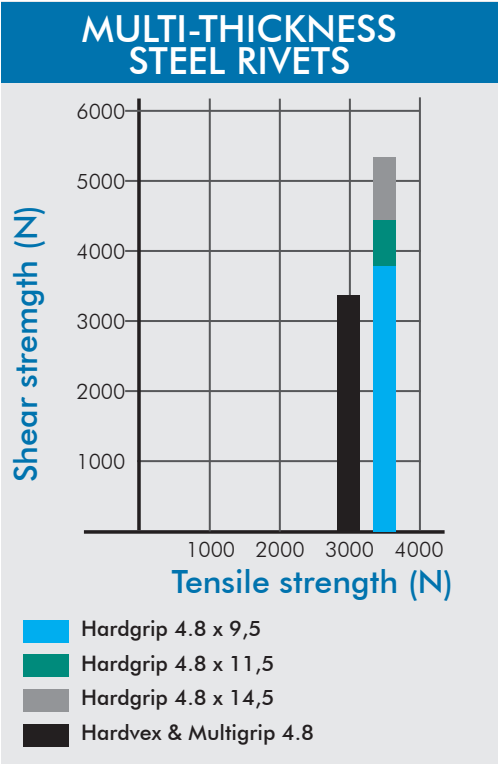
Tests according to EN ISO 14589

ALUMINIUM

STEEL RIVETS

MULTI-THICKNESS

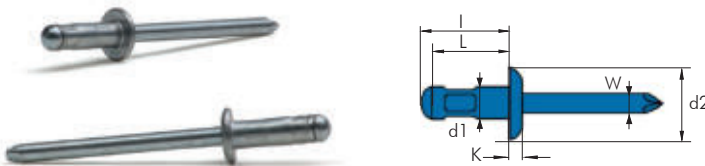
At BRALO, we offer a wide variety of multi-thickness rivets: Multigrip, Hardvex, and Hardgrip, which achieve consistent riveting.



STEEL/STEEL

Zincplated 8 μ Zincplated 3 μ

MULTIGRIP RIVET Dome head



d1 Ø mm	L Nominal mm	 mm	d2 Ø mm	K mm	W Ø mm	PACKAGING  Inner  Outer	I Max. mm	 E MIN. mm MAX.	 (N)	 (N)	REFERENCE	
3.2	9	3,30	7,50	1,00	2,00	500	4.000	11,3	2,0 - 5,0	1100	1250	01280003209
	13					500	4.000	15,3	4,0 - 6,0			01280003213

Tests according to EN ISO 14589

HARDVEX RIVETS



High-strength steel fixing element that offers the possibility of working with a wide variety of thicknesses.



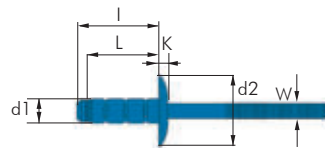
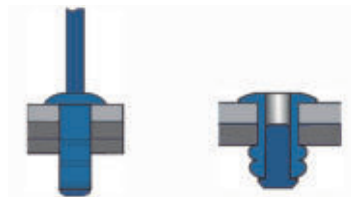
- Multi-thickness behavior.
- Good hole filling. Allows compensation for uneven, misaligned, and oversized holes.
- High tensile and shear strength values

STEEL

HARDVEX RIVET Dome head

STEEL/STEEL

Zincplated 8 μ Zincplated 3 μ



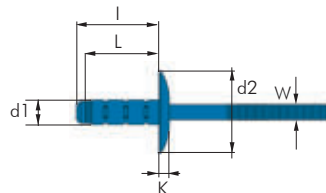
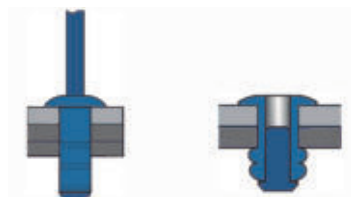
d1 Ø mm	L Nominal mm	 mm	d2 Ø mm	K mm	W Ø mm	PACKAGING  		I Máx. mm	 E MIN. mm MAX.	 (N)	 (N)	REFERENCE
4.0	11,5	4,10	8,00	1,40	2,65	500	3.000	14,5	1,0 - 6,5	1900	2500	G1874004011
	13,0					500	3.000	16,0	2,0 - 8,0			G1874004013
4.8	11,0	4,90	9,80	1,50	3,00		2.000	14,0	0,5 - 6,5	3000	3300	G1874004811
	14,0						2.000	17,5	1,5 - 9,0			G1874004814
	17,0						1.500	20,5	6,5 - 12,5			G1874004817
6.4	14,0	6,60	13,00	2,50	3,95		1.000	16,8	1,5 - 7,6	3100	3600	G1874006414

Tests according to EN ISO 14589

HARDVEX RIVET Large head

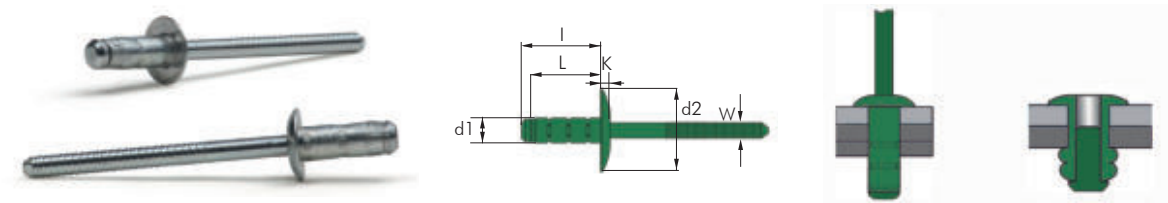
STEEL/STEEL

Zincplated 8 μ Zincplated 3 μ



d1 Ø mm	L Nominal mm	 mm	d2 Ø mm	K mm	W Ø mm	PACKAGING  		I Máx. mm	 E MIN. mm MAX.	 (N)	 (N)	REFERENCE
4.8	11,0	4,90	16,00	2,00	3,00		1.000	14,0	1,5 - 6,5	3000	3300	G1877004811
	14,5						1.000	17,5	1,5 - 9,5			G1877004814
	17,5						1.000	20,5	6,5 - 12,5			G1877004817

Tests according to EN ISO 14589



d1 Ø mm	L Nominal mm	 mm	d2 Ø mm	K mm	W Ø mm	PACKAGING		I Máx. mm	 E MIN. mm MAX.	 (N)	 (N)	REFERENCE
4.0	7,5	4,20	8,00	1,40	2,60	4.000	13,50	0,75 - 3,0	2800	3500	G1876004008	
	10,5					4.000	13,50	0,75 - 6,0			G1876004011	
4.8	14,5	4,90	9,20	1,50	3,20	2.000	17,50	1,5 - 9,0	4500	5000	G1876004814	
6.4	14,7	6,60	12,50	2,70	4,00	1.000	18,9	1,5 - 8,5	14000	8400	G1876006415	
	17,7					1.000	21,9	5,5 - 11,5			G1876006418	

Tests according to EN ISO 14589

HARDLOCK ALU/STEEL RIVETS

ALUMINIUM



Rear bulb for
high tensile strength

Especially suitable for plastic to metal joining applications and with the characteristic of being a multi-thickness rivet.

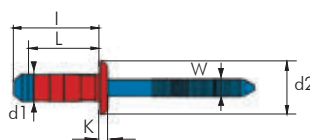
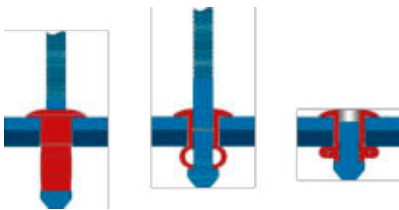


- Wide range of riveting thicknesses.
- Optimal distribution of torque on the blind face thanks to its larger contact surface.
- High tensile strength thanks to its rear bulb.
- Optimal mandrel retention.
- Grooved mandrel for longer jaw life.



HARDLOCK RIVET Dome head

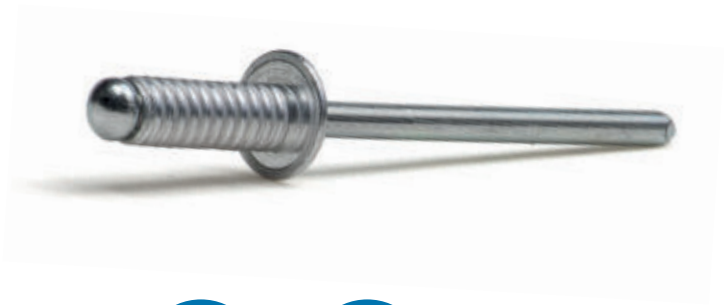
ALUMINIUM/STEEL
Al Mg 2,5 Zincplated 5 μ



d1 Ø mm	L Nominal mm	 mm	d2 Ø mm	K mm	W Ø mm	PACKAGING   Inner Outer	I Máx. mm	 E MIN. mm MAX.	 (N)	 (N)	REFERENCE
4.8	10,8	4,9-5,1	9,4	1,4	2,8	2.500	13,7	1,5 - 6,0	1200	1900	G1811004811
	12,8					3.000	15,7	3,0 - 7,0			G1811004813
	14,8					2.500	17,7	4,0 - 8,5			G1811004815
	16,8					2.000	19,7	6,0 - 10,5			G1811004817

GROOVED RIVET

Aluminum alloy fixing element, suitable for applications with blind holes other than through holes.



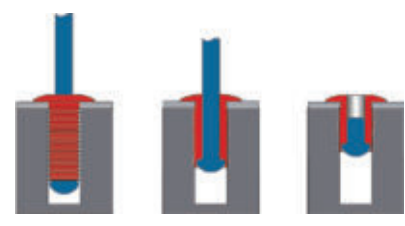
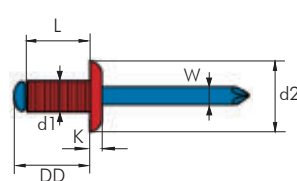
- Suitable for applications with blind holes other than through holes.
- Effective and safe for joining metal to soft and fibrous surfaces.
- Provides a high-strength bond.
- Ideal for attaching metal surfaces to wood, brick, or cement.



ALUMINIUM/STEEL

Al Mg 3,5 Zincplated 3 µ

GROOVED RIVET Dome head



d1 Ø mm	L Nominal mm	 mm	d2 Ø mm	K mm	W Ø mm	PACKAGING		 MIN. mmMAX.	 (N)	 (N)	REFERENCE	DD (Drill depth) mm
						Inner	Outer					
3.2	10	3,40	6,50	0,80	1,80	500	4.000	6,0	700	1100	01700003210	13
	8	4,20	8,00	1,20	2,20	500	4.000	4,0	900	1400	01700004008	11
	12					500	3.000	6,0			01700004012	15
	16					500	3.000	8,0			01700004016	19
4.8	8	5,00	9,50	1,40	2,65	500	3.000	4,0	1600	2600	01700004808	11
	10					250	2.000	6,0			01700004810	13
	12					250	2.000	8,0			01700004812	15
	14					250	2.000	10,0			01700004814	17
	16					250	1.500	12,0			01700004816	19
	18					250	1.500	13,0			01700004818	21
	21					250	1.500	15,0			01700004821	24
	24					200	1.200	20,0			01700004824	27

Tests according to EN ISO 14589

SOFT MATERIALS

RIVETS



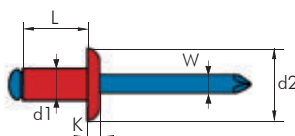
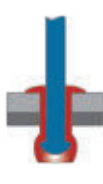
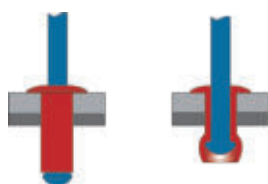
The controlled force of their mandrel makes them ideal for riveting soft or brittle elements.

- They do not deform riveted surfaces (painted, enameled, etc.).
- They offer excellent clamping force.
- They do not loosen under dynamic stresses or vibrations.

SOFT MATERIALS RIVETS

Dome head

ALUMINIUM/STEEL
Al Mg 3,5 Zincplated 3 μ



d1 Ø mm	L Nominal mm	 mm	d2 Ø mm	K mm	W Ø mm	PACKAGING   Inner Outer	 MIN mm MAX.	 (N)	 (N)	REFERENCE
3.0	6	3,10	6,30	0,80	1,80	4.000	1,5 - 3,5	750	850	G1350003006
3.2	10	3,30	6,40	1,00	1,80	5.000	5,0 - 7,0	750	1100	G1350003210
4.0	6	4,10	8,00	1,40	2,20	4.000	1,5 - 3,0	1200	1800	G1350004006
	8					4.000	3,0 - 5,0			G1350004008
	10					4.000	5,0 - 6,5			G1350004010
	12					4.000	6,5 - 8,5			G1350004012
	14					4.000	8,5 - 10,5			G1350004014
	16					4.000	10,5 - 12,5			G1350004016
	18					4.000	12,5 - 14,5			G1350004018
	20					4.000	14,5 - 16,5			G1350004020
4.8	8	4,90	9,50	1,40	2,73	3.500	3,0 - 4,5	2000	2700	G1350004808
	10					3.500	4,5 - 6,0			G1350004810
	12					3.000	6,0 - 8,0			G1350004812
	14					2.500	8,0 - 10,0			G1350004814
	16					2.500	10,0 - 12,0			G1350004816
	18					2.000	12,0 - 14,0			G1350004818
	21					2.000	14,0 - 17,0			G1350004821
	24					1.500	17,0 - 20,0			G1350004824
	27					1.500	20,0 - 23,0			G1350004827
	30					1.500	23,0 - 25,0			G1350004830
5.0	10	5,10	9,50	1,40	2,73	3.500	4,5 - 6,0	2250	3000	G1350005010
	14					2.500	8,0 - 10,0			G1350005014
	16					2.500	10,0 - 12,0			G1350005016
	18					2.000	12,0 - 14,0			G1350005018
	25					1.500	16,0 - 21,0			G1350005025
	30					1.500	21,0 - 25,0			G1350005030

Tests according to EN ISO 14589

PEELED RIVET

Designed for joining rigid materials with soft or low-strength materials (plastics, fiberglass, wood).

The body is divided into four parts that bend outward and come into contact with the material to be riveted.



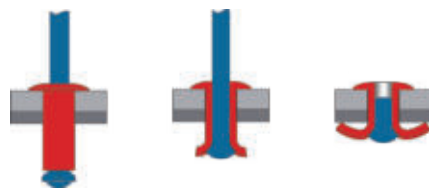
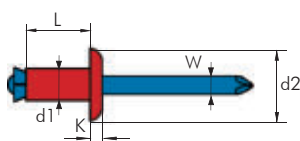
- Multi-thickness performance.
- Allows use in oversized holes.
- Does not damage riveted surfaces (painted, enameled, etc.).
- Forms a large-diameter fastener head, reducing the risk of material breakage and crushing.

ALUMINIUM/STEEL

Al Mg 3,5

Zincplated 3 μ

PEELED RIVET Dome head



d1 Ø mm	L Nominal mm	 mm	d2 Ø mm	K mm	W Ø mm	PACKAGING		 MIN. mm MAX.	 (N)	 (N)	REFERENCE
3.2	8	3,40	6,50	0,80	1,80	500	4.000	3,5	900	700	01130003208
	10					500	4.000	5,0			01130003210
	12					500	4.000	7,0			01130003212
	14					500	4.000	9,0			01130003214
	16					500	3.000	11,0			01130003216
	18					500	3.000	13,0			01130003218
4.0	8	4,20	8,00	1,00	2,20	500	4.000	4,0	1200	1400	01130004008
	10					500	4.000	6,0			01130004010
	12					500	3.000	8,0			01130004012
	14					500	3.000	10,0			01130004014
	16					500	3.000	12,0			01130004016
	18					500	3.000	14,0			01130004018
	20					500	3.000	16,0			01130004020
	25					250	1.500	21,0			01130004025
4.8	10	5,00	9,50	1,10	2,73	500	3.000	5,0	1800	2000	01130004810
	12					500	3.000	7,0			01130004812
	14					250	2.000	9,0			01130004814
	16					250	2.000	11,0			01130004816
	18					250	1.500	13,0			01130004818
	21					250	1.500	16,0			01130004821
	24					200	1.200	19,0			01130004824
	27					200	1.200	22,0			01130004827
	30					200	1.200	25,0			01130004830
	32					200	1.200	27,0			01130004832
	35					200	1.200	30,0			011300048352
	40					150	900	32,0			01130004840
	45					100	600	37,0			01130004845
	50					100	600	42,0			01130004850

PEELED RIVETS
Dome head

ALUMINIUM/STEEL
Al Mg 3,5 Zincplated 3 µ



d1 Ø mm	L Nominal mm		d2 Ø mm	K mm	W Ø mm	PACKAGING  		 E MIN. mm ² MAX.	 (N)	 (N)	REFERENCE
5.0	40	5,20	9,50	1,50	2,73	150	900	32,0	1900	2300	01130005040
	45					100	600	37,0			01130005045
	50					100	600	42,0			01130005050
	55					100	600	47,0			01130005055
	60						500	52,0			G1130005060
	65						500	57,0			G1130005065
	70						500	62,0			G1130005070
	75						500	68,0			G1130005075
	80						500	72,0			G1130005080
	90						500	80,0			G1130005090
	100						500	90,0			G11300050100
	110						500	100,0			G11300050110
	120						500	110,0			G11300050120
	130						250	120,0			G11300050130
	140						250	130,0			G11300050140
	150						250	140,0			G11300050150
	160						250	150,0			G11300050160
	170						250	160,0			G11300050170
	180						250	170,0			G11300050180
	190						250	180,0			G11300050190
* 6.4	35	6,60	12,00	1,80	3,50	100	600	25,0	2450	3500	01130006435
	50						500	40,0			G1130006450
	80						250	70,0			G1130006480
	100						250	90,0			G11300064100
	120						250	110,0			G11300064120
	150						250	140,0			G11300064150
	175						200	165,0			G11300064175
	190						150	180,0			G11300064200

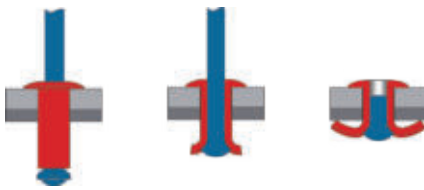
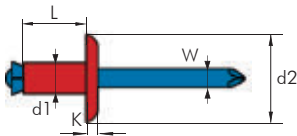
*Note: Peeled Rivets with head of aluminum Al Mg 3.

Tests according to EN ISO 14589

PEELED RIVET COLOUR
Dome head

d1 Ø mm	L Nominal mm	BLACK PAINT REFERENCE	WHITE PAINT REFERENCE	PACKAGING  	
4.0	8	01130N04008	01130BL4008	500	4.000
	10	01130N04010	01130BL4010	500	4.000
	12	01130N04012	01130BL4012	500	3.000
	14	01130N04014	01130BL4014	500	3.000
	16	01130N04016	01130BL4016	500	3.000
	18	01130N04018	01130BL4018	500	3.000
	20	01130N04020	01130BL4020	500	3.000
	25	01130N04025	01130BL4025	250	1.500
4.8	10	01130N04810	01130BL4810	500	3.000
	12	01130N04812	01130BL4812	500	3.000
	14	01130N04814	01130BL4814	250	2.000
	16	01130N04816	01130BL4816	250	2.000
	18	01130N04818	01130BL4818	250	1.500
	21	01130N04821	01130BL4821	250	1.500
	24	01130N04824	01130BL4824	200	1.200
	27	01130N04827	01130BL4827	200	1.200
	30	01130N04830	01130BL4830	200	1.200





d1 Ø mm	L Nominal mm	 mm	d2 Ø mm	K mm	W Ø mm	PACKAGING  		 E mm ³ MAX.	 (N)	 (N)	REFERENCE
4.0	8	4,20	12,00	1,40	2,20	500	3.000	4,0	1200	1900	01150004008
	10					500	3.000	6,0			01150004010
	12					250	2.000	8,0			01150004012
	14					250	2.000	10,0			01150004014
	16					250	2.000	12,0			01150004016
	18					250	1.500	14,0			01150004018
	20					250	1.500	16,0			01150004020
4.8	10	5,00	11,00	1,80	2,73	250	2.000	5,0	1800	2000	01131004810
	21					250	1.500	9,0			01131004821
4.8	10	5,00	14,00	1,80	2,73	250	1.500	5,0	1800	2000	01140004810
	12					250	1.500	7,0			01140004812
	14					250	1.500	9,0			01140004814
	16					250	1.500	11,0			01140004816
	18					200	1.200	13,0			01140004818
	21					200	1.200	16,0			01140004821
	24					150	900	19,0			01140004824
	27					150	900	22,0			01140004827
	30					150	900	25,0			01140004830
	35					100	600	30,0			01140004835
	40					100	600	35,0			01140004840

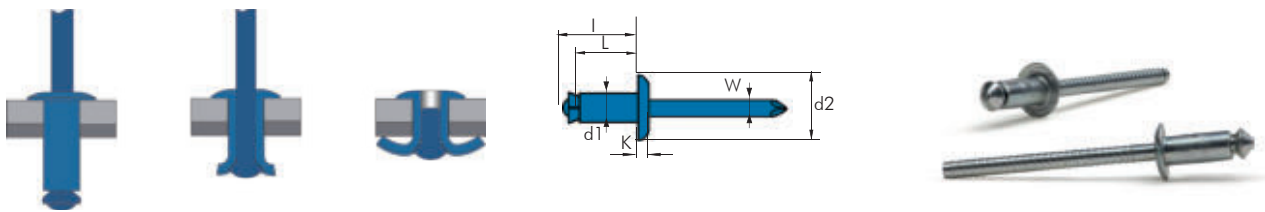
Tests according to EN ISO 14589

PEELED RIVET COLOUR
Large head



d1 Ø mm	L Nominal mm	BLACK PAINT REFERENCE	WHITE PAINT REFERENCE	PACKAGING  	
				Inner	Outer
4.0	10	01150N04010	01150BL4010	500	3.000
	12	01150N04012	01150BL4012	250	2.000
	14	01150N04014	01150BL4014	250	2.000
	16	01150N04016	01150BL4016	250	2.000
	18	01150N04018	01150BL4018	250	1.500
	20	01150N04020	01150BL4020	250	1.500
4.8	10	01140N04810	01140BL4810	250	1.500
	12	01140N04812	01140BL4812	250	1.500
	14	01140N04814	01140BL4814	250	1.500
	16	01140N04816	01140BL4816	250	1.500
	18	01140N04818	01140BL4818	200	1.200
	21	01140N04821	01140BL4821	200	1.200
	24	01140N04824	01140BL4824	150	900
	27	01140N04827	01140BL4827	150	900





d1 Ø mm	L Nominal mm	 mm	d2 Ø mm	K mm	W Ø mm	PACKAGING  Inner  Outer	I Máx. mm	 E MIN. mm MAX.	 (N)	 (N)	REFERENCE
4.0	9	4,30-4,40	8,00	1,20	2,40	3.000 14,0	5	3800 2600	G1850004009		

Tests according to EN ISO 14589

TREBOL

RIVETS

The BRALO Clover rivet is a blind rivet with a stem break designed for the quick and easy joining of rigid materials with soft or low-strength materials.



Trebol



S-Trebol



S-Trebol WP

HEAD WITH SHAPE OF THREE PARTS

- The **Trebol rivet** features a large counter-head formed by three petals, providing a large contact surface on the rear side. This wide expansion on the blind side distributes the load and tightening force, reducing the risk of crushing and breakage of materials.
- The **S-Trebol version** provides additional tensile and shear strength and can be used in oversized holes due to its adaptable expansion. It also features a neoprene washer for excellent sealing results.
- The **S-Trebol WP "Waterproof"** Rivet is designed for demanding joints of rigid materials with soft or brittle materials in applications where watertightness is required. Widely used in the construction sector, especially in roofing and roofs.

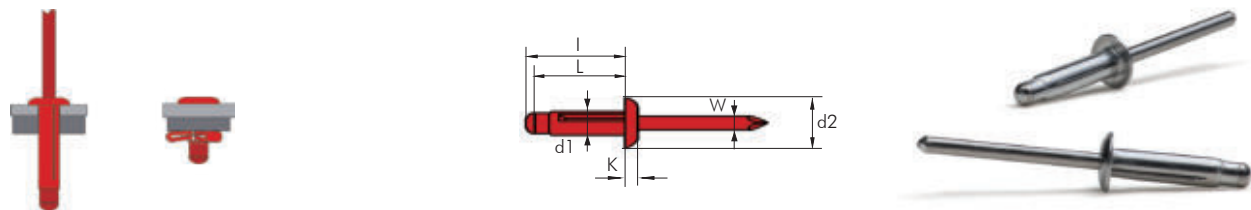


- Mandrel retention, preventing electrical problems or vibrations.
- Allows use in oversized drills.
- High corrosion resistance.
- Multi-thickness performance.

TREBOL RIVET
Dome head

ALUMINIUM/ALUMINIUM

ALUMINIUM



d1 Ø mm	L Nominal mm	 mm	d2 Ø mm	K mm	W Ø mm	PACKAGING		I Max. mm	 E MIN. mm MAX.	 (N)	 (N)	REFERENCE
3.2	17	3,40-3,50	6,40	1,00	1,90	250	2.000	19,80	1,0 - 6,4	470	760	01610003217
	10,5	4,20-4,50	8,00	1,40	2,40	250	2.000	12,30	0,5 - 2,5	730	950	01610004010
	13,6					250	2.000	16,00	1,0 - 3,0			01610004013
	18,8					250	2.000	21,20	1,0 - 7,0			01610004018
	20,4					250	1.500	22,80	1,0 - 8,5			01610004020
4.0	24,5					250	1.500	26,90	4,0 - 12,0			01610004024
	15,3	5,00-5,30	9,80	1,90	2,82	250	2.000	17,80	1,0 - 4,0	900	1150	01610004815
	20,5					250	1.500	23,00	1,0 - 9,0			01610004820
	24,5					200	1.200	27,00	4,0 - 12,0			01610004824
	28,5					200	1.200	30,50	6,0 - 16,0			01610004828

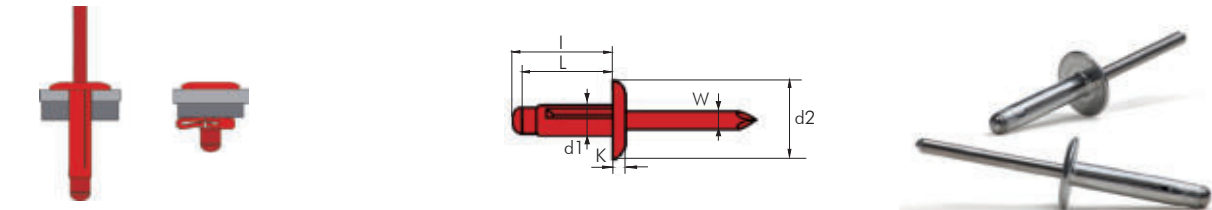
Tests according to EN ISO 14589



d1 Ø mm	L Nominal mm	BLACK PAINT RAL 9005 REFERENCE	WHITE PAINT REFERENCE	BLUE PAINT RAL 5010 REFERENCE	PACKAGING	
4,0	10,5	01610N04010	01610BL4010	01610A04010	250	2.000
	13,6	01610N04013	01610BL4013	01610A04013	250	2.000
	18,8	01610N04018	01610BL4018	01610A04018	250	2.000
	24,5	01610N04024	01610BL4024	01610A04024	250	1.500
	15,3	01610N04815	01610BL4815	01610A04815	250	2.000
4.8	20,5	01610N04820	01610BL4820	01610A04820	250	1.500
	24,5	01610N04824	01610BL4824	01610A04824	200	1.200

TREBOL RIVET
Large head

ALUMINIUM/ALUMINIUM



d1 Ø mm	L Nominal mm	 mm	d2 Ø mm	K mm	W Ø mm	PACKAGING		I Max. mm	 E MIN. mm MAX.	 (N)	 (N)	REFERENCE
4,0	18,8	4,20-4,50	12,00	1,50	2,40	250	1.500	20,60	1,0 - 7,0	730	950	01640004018
	15,3	5,00-5,30	14,00	1,80	2,82	200	1.200	18,00	1,0 - 4,0	1000	1250	01630004815
4.8	20,5					200	1.200	23,00	1,0 - 9,0			01630004820
	24,5					200	1.200	27,00	4,0 - 12,0			01630004824
	28,5					150	900	31,00	6,0 - 16,0			01630004828
4.8	20,5	5,00-5,30	16,00	1,80	2,82		1.000	23,00	1,0 - 9,0	1000	1250	01640004820
	24,5						1.000	27,00	4,0 - 12,0			G1640004824

Tests according to EN ISO 14589



Note: Rivets can be manufactured in black and white lacquer.



S-TREBOL

RIVETS

It provides additional tensile and shear strength and can be used in oversized holes. It also features a neoprene washer for excellent sealing results.



- Excellent mandrel retention and high mechanical properties.
- Allows use in oversized drill holes.
- Multi-thickness performance.
- High corrosion resistance.

ALUMINIUM/ALUMINIUM

S-TREBOL RIVET
Dome head

d1 Ø mm	L Nominal mm	 mm	d2 Ø mm	K mm	W Ø mm	PACKAGING Inner Outer	I Máx. mm	 E MIN. mm MAX.	 (N)	 (N)	REFERENCE	
5.2	17,0	5,30-5,60	11,40	2,20	3,10	250	1.500	19,75	0,5 - 4,8	3000	1750	01650005217
	20,5					250	1.500	23,75	0,5 - 5,1			01650005220
	26,5					200	1.200	29,75	4,5 - 11,5			01650005226

Tests according to EN ISO 14589

ALUMINIUM/ALUMINIUM

S-TREBOL RIVET WITHOUT WASHER
Dome head

d1 Ø mm	L Nominal mm	 mm	d2 Ø mm	K mm	W Ø mm	PACKAGING Inner Outer	I Máx. mm	 E MIN. mm MAX.	 (N)	 (N)	REFERENCE	
5.2	20,5	5,30-5,60	11,40	2,20	3,10	250	1.500	23,75	0,5 - 5,1	3000	1750	01660005220
	26,5					200	1.200	29,75	4,5 - 11,5			01660005226

Tests according to EN ISO 14589

S-TREBOL WP RIVETS

ALUMINIUM



The S-Trebol WP “Waterproof” Rivet is a blind rivet with a breakable mandrel designed for demanding, quick and easy joining of rigid materials with soft or brittle materials in applications where watertightness is required.

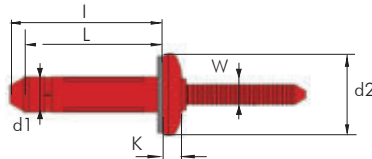
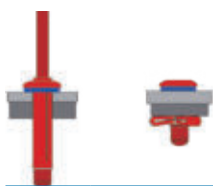
- Rivets are watertight and highly resistant to corrosion.
- Ideal for oversized holes and applications subject to vibration.
- Excellent shear strength and additional tensile strength.
- High corrosion resistance in harsh atmospheric conditions.



S-TREBOL WP RIVET Dome head

ALUMINIUM/ALUMINIUM

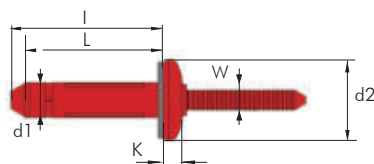
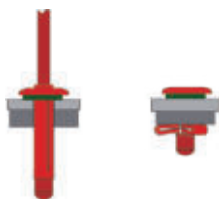
Ag 5



d1 Ø mm	L Nominal mm	 mm	d2 Ø mm	K mm	W Ø mm	PACKAGING  Inner  Outer	I Máx. mm	 MIN. mm MAX.	 (N)	 (N)	REFERENCE
5.2	17,5	5,30-5,50	11,60	2,40	2,90	2.000	20,90	1,3 - 4,8	3000	2000	G1656005217
	19,1					2.000	22,50	1,6 - 6,4			G1656005219
	22,2					2.000	25,60	4,7 - 9,5			G1656005222
	25,4					1.500	28,80	7,9 - 12,7			G1656005225
	28,6					1.500	32,00	11,1 - 15,9			G1656005229
6.4	31,8					1.500	35,20	14,3 - 19,1			G1656005232
	20,5	6,40-6,60	14,50	4,00	3,90	1.000	25,50	1,6 - 6,4	4200	2500	G1656006420
	23,7					1.000	28,70	3,0 - 9,5			G1656006423
	26,8					1.000	31,80	6,4 - 12,7			G1656006426
	30,0					1.000	35,00	9,5 - 15,9			G1656006430
7.9	28,5	7,90-8,20	15,40	4,50	4,40	500	33,00	1,5 - 9,5	6200	4800	G1656007828
	34,0					500	39,00	6,5 - 15,9			G1656007834

S-TREBOL WP RIVET Large head

ALUMINIUM/ALUMINIUM



d1 Ø mm	L Nominal mm	 mm	d2 Ø mm	K mm	W Ø mm	PACKAGING  Inner  Outer	I Máx. mm	 MIN. mm MAX.	 (N)	 (N)	REFERENCE
7.9	28,5	7,90-8,20	18,50	3,90	4,40	500	35,00	1,5 - 9,5	5300	4500	G1654007828
	34,0					500	41,00	6,5 - 15,9			G1654007834

SEALED RIVETS

Designed with a closed body base that guarantees stem retention and also offers excellent sealing properties. Compared to standard rivets, it offers improved mechanical performance.



- Good fluid and vapor tightness.
- Guaranteed stem retention.
- Good mechanical performance.
- Wide variety of materials.

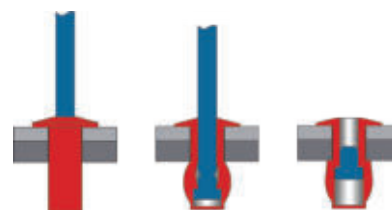
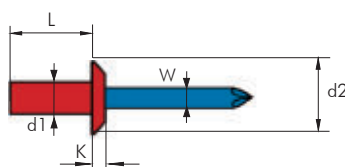


ALUMINIUM/STEEL

Al Mg 5

Lubricated

SEALED RIVET Dome head



UNE - EN ISO 15973

d1 Ø mm	L Nominal mm	 mm	d2 Ø mm	K mm	W Ø mm	PACKAGING  		 E MIN. mm MAX.	 (N)	 (N)	REFERENCE
3.2	6,5	3,30	6,40	1,00	1,65	500	4.000	0,5 - 2,0	1100	1450	01110003206
	7,5					500	4.000	0,5 - 3,0			01110003207
	8,0					500	4.000	2,0 - 3,5			01110003208
	9,5					500	4.000	3,5 - 5,0			01110003209
	11,0					500	4.000	5,0 - 6,5			01110003211
	12,5					500	4.000	6,5 - 8,0			01110003212
4.0	8,5	4,10	7,90	1,40	2,20	500	4.000	0,5 - 3,5	1600	2200	01110004008
	9,5					500	4.000	3,5 - 5,0			01110004010
	11,0					500	4.000	5,0 - 6,5			01110004011
	12,5					500	3.000	6,5 - 8,0			01110004013
	14,5					500	3.000	8,0 - 10,0			01110004015
4.8	8,5	4,90	9,30	1,70	2,65	500	3.000	0,5 - 3,5	2200	3100	01110004808
	9,5					500	3.000	3,5 - 5,0			01110004810
	11,0					500	3.000	5,0 - 6,5			01110004811
	13,0					250	2.000	6,5 - 8,0			01110004813
	14,5					250	2.000	8,0 - 9,5			01110004814
	16,0					250	2.000	9,5 - 11,0			01110004816
	18,0					250	1.500	11,0 - 13,0			01110004818
	21,0					250	1.500	13,0 - 16,0			01110004821
	25,0					200	1.200	16,0 - 20,0			01110004825
6.4	12,5	6,50	12,50	2,40	3,60	250	1.500	1,5 - 6,5	3600	4900	01110006412
	15,5					200	1.200	6,5 - 9,5			01110006415

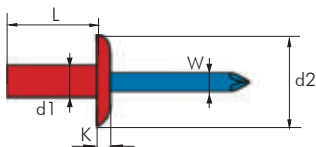
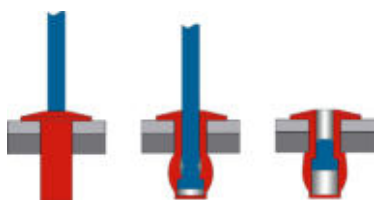
Tests according to EN ISO 14589



Note: The sealed rivet is available with an EPDM washer.

SEALED RIVET
Large head

ALUMINIUM/STEEL
Al Mg 5 Lubricated

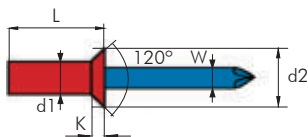
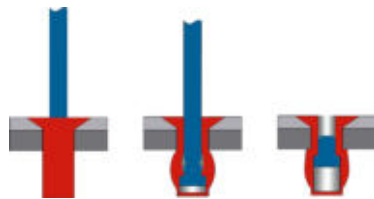


d1 Ø mm	L Nominal mm	 mm	d2 Ø mm	K mm	W Ø mm	PACKAGING  		 MIN. mm MAX.	 (N)	 (N)	REFERENCE
4.8	13,0	4,90	14,00	1,80	2,65	250	1.500	6.5 - 8,0	2200	3100	01120004813
	18,0					200	1.200	11,0 - 13,0			01120004818

Tests according to EN ISO 14589

SEALED RIVET
Countersunk head 120°

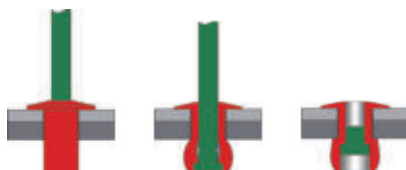
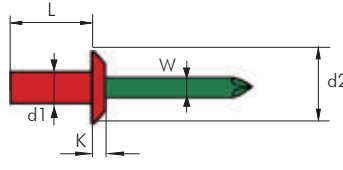
ALUMINIUM/STEEL
Al Mg 5 Lubricated



UNE - EN ISO 15974

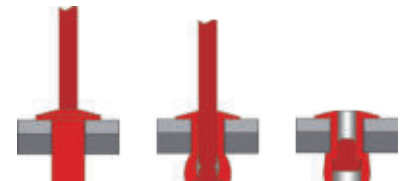
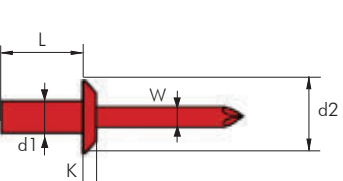
d1 Ø mm	L Nominal mm	 mm	d2 Ø mm	K mm	W Ø mm	PACKAGING  		 MIN. mm MAX.	 (N)	 (N)	REFERENCE
3.2	8,5	3,30	5,90	1,30	1,70	500	4.000	2,5 - 4,5	1100	1450	01112003209
4,0	14,5	4,10	7,60	1,70	2,20	500	3.000	8,0 - 10,0	1600	2200	01112004014
4.8	10,0	4,90	9,50	1,80	2,65	500	3.000	4,5 - 6,0	2200	3100	01112004810
	12,5					500	3.000	6,0 - 8,0			01112004813
	14,5					250	2.000	8,0 - 10,0			01112004814
	16,0					250	2.000	10,0 - 12,0			01112004816
	22,0					250	1.500	13,0 - 18,0			01112004822

Tests according to EN ISO 14589



d1 Ø mm	L Nominal mm	 mm	d2 Ø mm	K mm	W Ø mm	PACKAGING  		 MIN. mm MAX.	 (N)	 (N)	REFERENCE
3.2	6,5	3,30	6,40	1,00	1,65	500	4.000	0,5 - 2,0	1100	1450	01119003207
	8,0					500	4.000	2,0 - 3,5			01119003208
	9,5					500	4.000	3,5 - 5,0			01119003209
	12,5					500	4.000	6,5 - 8,0			01119003212
4.0	8,0	4,10	7,90	1,40	2,20	500	4.000	0,5 - 3,5	1600	2200	01119004008
	9,5					500	4.000	3,5 - 5,0			01119004010
	11,0					500	4.000	5,0 - 6,5			01119004011
	12,5					500	3.000	6,5 - 8,0			01119004013
4.8	8,5	4,90	9,30	1,70	2,65	500	3.000	0,5 - 3,5	2200	3100	01119004808
	9,5					500	3.000	3,5 - 5,0			01119004810
	11,0					500	3.000	5,0 - 6,5			01119004811
	13,0					250	2.000	6,5 - 8,0			01119004813
	14,5					250	2.000	8,0 - 9,5			01119004814
	16,0					250	2.000	9,5 - 11,0			01119004816
	18,0					250	1.500	11,0 - 13,0			01119004818
	21,0					250	1.500	13,0 - 16,0			01119004821
	25,0					200	1.200	16,0 - 20,0			01119004825

Tests according to EN ISO 14589



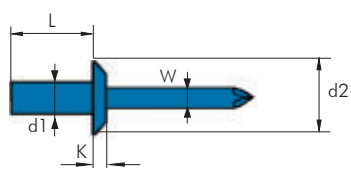
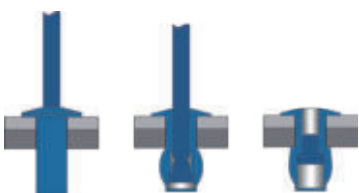
d1 Ø mm	L Nominal mm	 mm	d2 Ø mm	K mm	W Ø mm	PACKAGING  		 MIN. mm MAX.	 (N)	 (N)	REFERENCE
3.2	8,0	3,30	6,40	1,00	1,80	500	4.000	0,5 - 3,5	460	540	01190003208
	9,5					500	4.000	3,5 - 5,0			01190003209
	11,0					500	4.000	5,0 - 6,5			01190003211
4.0	9,5	4,10	7,90	1,40	2,20	500	4.000	3,5 - 5,0	720	760	01190004009
	12,5					500	3.000	5,0 - 8,0			01190004012
4.8	8,0	4,90	9,30	1,70	2,65	500	3.000	1,0 - 3,5	1000	1400	01190004808
	9,5					500	3.000	3,5 - 5,0			01190004809
	11,5					500	3.000	5,0 - 6,5			01190004811
	12,5					250	2.000	6,5 - 8,0			01190004812
	14,5					250	2.000	8,0 - 9,5			01190004814
	18,0					250	1.500	9,5 - 13,0			01190004818

Tests according to EN ISO 14589



SEALED RIVET Dome head

STEEL/STEEL
Zincplated 8 μ Zincplated 8 μ



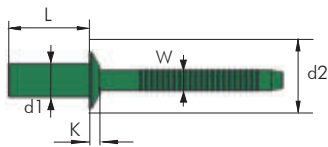
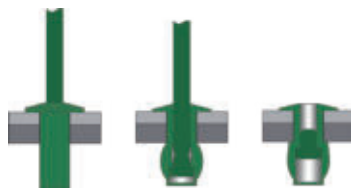
UNE - EN ISO 15976

d1 Ø mm	L Nominal mm	 mm	d2 Ø mm	K mm	W Ø mm	PACKAGING  		 MIN. mm ² MAX.	 (N)	 (N)	REFERENCE
3.2	6.0	3,30	6,50	1,00	1,90	500	4.000	0,5 - 1,5	1150	1300	01290003206
	8,0					500	4.000	1,5 - 3,0			01290003208
	9,5					500	4.000	3,0 - 5,0			01290003209
	12,0					500	4.000	5,0 - 6,5			01290003212
4.0	8,0	4,10	8,20	1,40	2,30	500	4.000	1,5 - 3,0	1700	1550	01290004008
	10,0					500	4.000	3,0 - 5,0			01290004010
	12,0					500	3.000	5,0 - 6,5			01290004012
	15,0					500	3.000	6,5 - 10,5			01290004015
4.8	9,5	4,90	9,80	1,70	2,90	500	3.000	1,0 - 4,0	2400	2800	01290004809
	12,0					500	3.000	4,0 - 6,0			01290004812

Tests according to EN ISO 14589

SEALED RIVET Dome head

INOX A2/INOX A2
AISI 304 AISI 420



UNE - EN ISO 16585

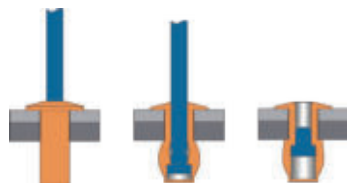
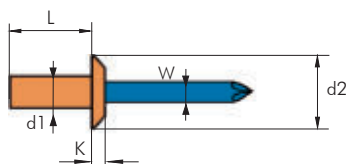
d1 Ø mm	L Nominal mm	 mm	d2 Ø mm	K mm	W Ø mm	PACKAGING  		 MIN. mm ² MAX.	 (N)	 (N)	REFERENCE
3.2	6.0	3,30	6,50	1,00	1,90	500	4.000	0,5 - 1,5	2000	2200	01300003206
	8,0					500	4.000	1,5 - 3,0			01300003208
	9,5					500	4.000	1,5 - 4,5			01300003209
	12,0					500	4.000	5,0 - 6,5			01300003212
4.0	8,0	4,10	8,00	1,40	2,30	500	4.000	1,5 - 3,0	3000	3500	01300004008
	9,5					500	4.000	3,0 - 5,0			01300004009
	12,0					500	3.000	5,0 - 6,5			01300004012
	14,0					500	3.000	6,5 - 8,0			01300004014
4.8	16,0					500	3.000	8,0 - 11,0			01300004016
	9,5	4,90	9,80	1,70	2,90	500	3.000	1,0 - 4,0	4000	4400	01300004809
	12,0					500	3.000	4,0 - 6,0			01300004812
	13,0					250	2.000	5,0 - 7,0			01300004813
4.8	15,0					250	2.000	5,0 - 9,0			01300004815
	16,0					250	2.000	6,0 - 10,0			01300004816
	18,0					250	1.500	11,0 - 13,0			01300004818
	25,0					200	1.200	17,0 - 20,0			01300004825
6.4	12,0	6,50	13,20	2,40	3,90	250	1.500	1,5 - 6,0	6000	8000	01300006412
	16,0					250	1.500	6,5 - 8,0			01300006416

Tests according to EN ISO 14589



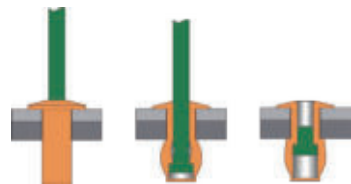
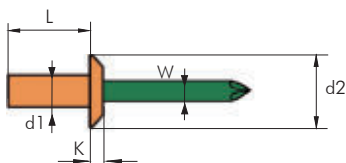
STEEL

INOX



d1 Ø mm	L Nominal mm	 mm	d2 Ø mm	K mm	W Ø mm	PACKAGING   Inner Outer		 MIN. mmMAX.	 (N)	 (N)	REFERENCE
3.2	6,5	3,30	6,20	1,00	1,65	500	4.000	0,5 - 2,0	1250	1300	01320003206
	8,0					500	4.000	2,0 - 3,5			01320003208
	12,0					500	4.000	6.5 - 8,0			01320003212
4.0	8,0	4,10	8,20	1,40	2,30	500	4.000	0,5 - 3,5	1800	1500	01320004008
	10,0					500	4.000	3.0 - 5.0			01320004010
4.8	9,5	4,90	9,50	1,60	2,65	500	3.000	1,0 - 4,5	2100	3000	01320004809
	12,0					500	3.000	4,0 - 7,0			01320004812

Tests according to EN ISO 14589



d1 Ø mm	L Nominal mm	 mm	d2 Ø mm	K mm	W Ø mm	PACKAGING   Inner Outer		 MIN. mm MAX.	 (N)	 (N)	REFERENCE
3.2	6.5	3,30	6,20	1,00	1,65	500	4.000	0,5 - 2,0	1250	1300	01329003206
	8,0					500	4.000	2,0 - 3,5			01329003208
	9,5					500	4.000	3,5 - 5.0			01329003209
4.0	8,0	4,10	8,20	1,00	2,30	500	4.000	0,5 - 3,5	1800	1500	01329004008
	10,0					500	4.000	3,5 - 5.0			01329004010

Tests according to EN ISO 14589



GRIPMATE

RIVET

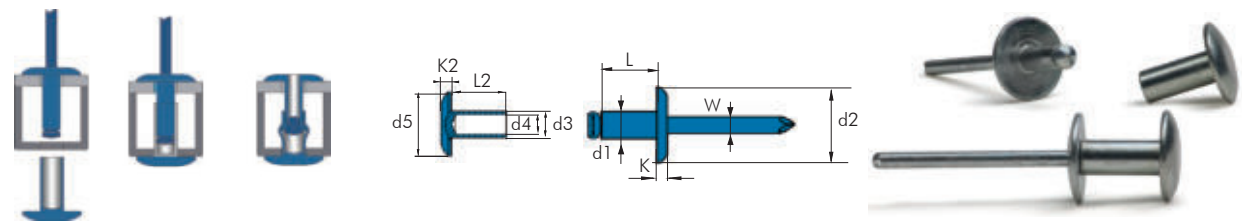
It is suitable for applications with large thicknesses to be riveted and for soft or fragile materials (plastics, fiber, wood), since the heads are wide on both sides and the support surface is large.

- Provides high resistance without damaging the application surfaces.
- Achieves a homogeneous riveting with excellent aesthetics on both sides of the application.
- The formation of a large head on both sides provides a large bearing area, distributing the force.
- Efficient mandrel breakage inside the rivet and the semi-tubular part, preventing it from becoming loose or lost after placement.

GRIPMATE RIVET

Large head

STEEL/STEEL
Zincplated 8 μ Zincplated 3 μ



d1 Ø mm	L Nominal mm	 mm	d2 Ø mm	K mm	W Ø mm	PACKAGING  		 E MIN. mm MAX.	REFERENCE
4,8	11,0	4,90	16,00	2,40	2,93	1.500	1.500	14,0 - 18,0	G1234004811
	14,5							19,0 - 22,0	G1234004814

Tests according to EN ISO 14589

d3 Ø mm	L2 Nominal mm	 mm	k2 Ø mm	d4 mm	d5 Ø mm	PACKAGING  		 E MIN. mm MAX.	REFERENCE
6,3	9,5	7,80	2,60	4,90	16,00	1.500	1.500		G12340063095
	14,5								G12340063145

Note: Gripmate components are sold separately.

DRIVE RIVET

It is a highly effective method of joining sheets and profiles to soft, fibrous surfaces such as walls or roofs. Widely used in the construction sector to fix plates, moldings, angles, insulation or coatings.



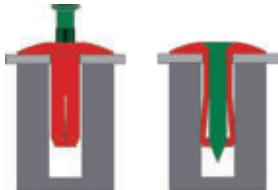
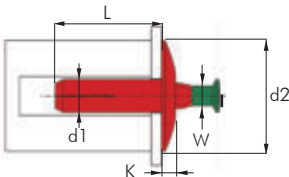
- Materials can be riveted with through and blind holes.
- Large support surface thanks to its large head that acts as a support and makes it suitable for soft materials.
- Corrosion resistant (the rivet mandrel is made of stainless steel).
- It does not require the use of a specialized tool, a hammer blow is enough to obtain a quick and fast and secure fastening.

ALUMINIUM/INOX A2

Al Mg 3

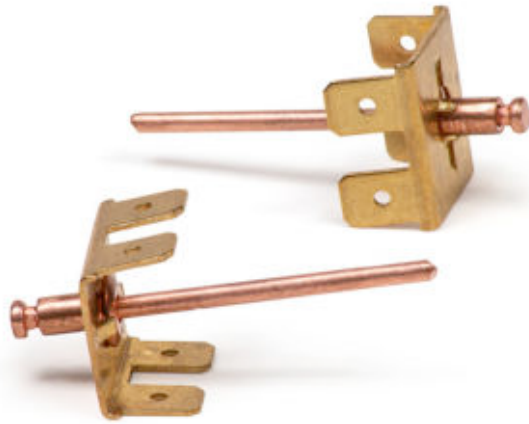
AISI 304

DRIVE RIVET Special rivet



d1 Ø mm	L Nominal mm	 mm	d2 Ø mm	K mm	W Ø mm	PACKAGING		 MIN. mmMAX.	 (N)	 (N)	REFERENCE
											
4.8	7,6	5,00	16,00	2,00	2,75	3.000	3.000	2,9 - 4,4	3570	1900	G1509004808
	10,2					3.000	3.000	4,4 - 7,0			G1509004810
	12,7					3.000	3.000	7,0 - 9,5			G1509004813
	15,3					3.000	3.000	9,5 - 12,1			G1509004815
	17,8					2.500	2.500	12,1 - 14,6			G1509004818
	20,3					2.000	2.000	14,6 - 17,1			G1509004820
	22,9					2.000	2.000	17,1 - 19,7			G1509004823
	25,4					2.000	2.000	19,7 - 22,2			G1509004825
	27,9					2.000	2.000	22,2 - 24,8			G1509004828
	30,4					1.500	1.500	24,8 - 26,5			G1509004830
	35,0					1.500	1.500	29,1 - 31,5			G1509004835
	40,0					1.500	1.500	34,1 - 36,5			G1509004840
	50,0					1.000	1.000	44,1 - 46,5			G1509004850

BRASS MASS RIVET

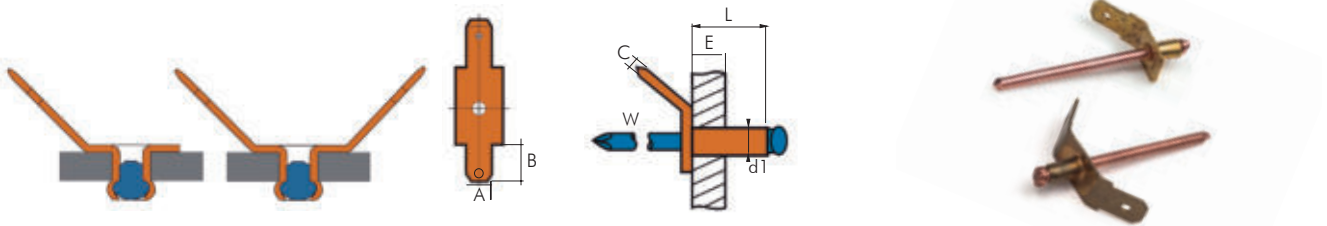


Rivets with a terminal that serves as a ground. Manufactured in different materials; the rivet head is made of brass or copper, the mandrel of coppered steel and the terminal of brass.

- Easy installation in applications with difficult access.
- They are designed to ensure an effective grounding.
- Thanks to its serration, which is embedded through the lacquered surface, it achieves an optimal optimum conductivity.
- Achieve a fixed and strong riveting.

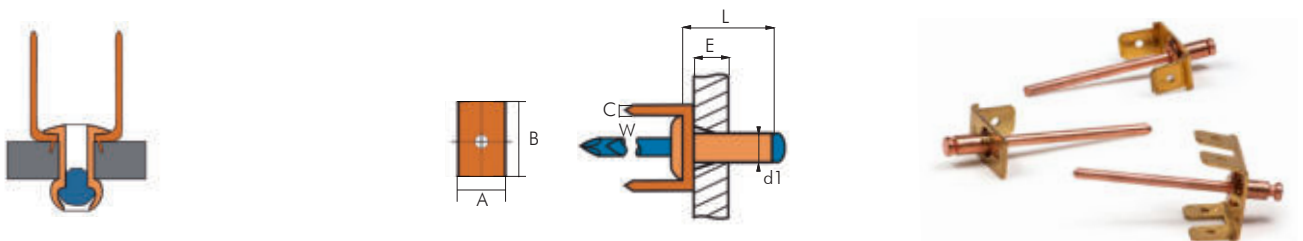
BRASS MASS RIVET Special rivet

BRASS/STEEL
Coppered



d1 Ø mm	L Nominal mm	mm	A mm	B Ø mm	C Ø mm	W Ø mm	PACKAGING		E MIN. mm MAX.	REFERENCE
							Inner	Outer		
4.0	7	4,10	6,30	8,50	0,80	2,40	250	1.500	4,0	01910004007 1 TAB 01920004007 2 TAB

COPPER/STEEL/ BRASS
Coppered



d1 Ø mm	L Nominal mm	mm	A mm	B Ø mm	C Ø mm	W Ø mm	PACKAGING		E MIN. mm MAX.	REFERENCE
							Inner	Outer		
3,8	8	5,20	6,30	7,80	0,80	2,25	250	1.500	1,2	01910003808 1 TAB
							250	1.500	1,2	01920003808 2 TAB
							150	900	1,2	01924003808 4 TAB

SPECIAL RIVETS

PROFILE CLINCHER

Bralo's Profile clincher rivet is a break-mandrel blind rivet with a stepped body. It is designed for fast and safe joining of moldings and clips.

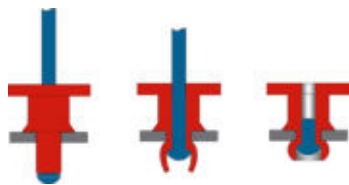
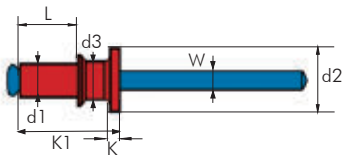


- Fastening element designed for efficient fastening of moldings.
- Does not deform surfaces once riveted (painted, enameled, etc.).
- No loosening by the action of dynamic stresses and vibrations.
- Manufactured to order and customized.

ALUMINIUM/STEEL

Al Mg 3,5 Zincoated 3 µ

PROFILE CLINCHER



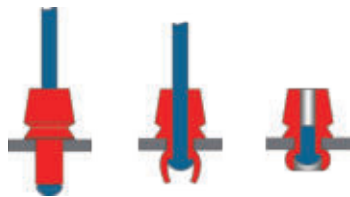
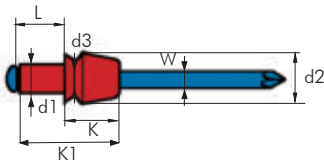
d1 Ø mm	L Nominal mm	 mm	d2 Ø mm	d3 Ø mm	K mm	K1 mm	W Ø mm	PACKAGING  Inner  Outer		 E MIN. mm MAX.	 (N)	 (N)	REFERENCE
2.4	5.0	2,50	5,00	3,00	1,00	8,50	1,45	1.000	8.000	3,00	340	490	01900002405

Tests according to EN ISO 14589

ALUMINIUM/STEEL

Al Mg 3,5 Zincoated 3 µ

PROFILE CLINCHER



d1 Ø mm	L Nominal mm	 mm	d2 Ø mm	d3 Ø mm	K mm	K1 mm	W Ø mm	PACKAGING  Inner  Outer		 E MIN. mm MAX.	 (N)	 (N)	REFERENCE
3.0	5.0	3,10	4,30	3,60	6,00	11,00	1,80	500	4.000	3,00	350	500	01900003005

d1 Ø mm	L Nominal mm	 mm	d2 Ø mm	d3 Ø mm	K mm	K1 mm	W Ø mm	PACKAGING  Inner  Outer		 E MIN. mm MAX.	 (N)	 (N)	REFERENCE
3,9	7,5	4,10	6,50	5,00	5,90	13,50	2,10	500	6.000	3,00	1700	2000	019000039076

Tests according to EN ISO 14589

CUSTOMISED SPECIAL RIVETS

We design rivets and specialty products for you from your drawings, using a wide variety of materials and production processes. We invite you to benefit from our experience to achieve maximum quality and efficiency in your processes and products.

SR rivet

Structural type rivet that provides a water-resistant seal.



Long mandrel rivet

Designed for special riveting machines or for long nosepieces.



Crimped rivet

Rivets with multi-thickness behavior.



Profile clincher

Applications that require separation for later assembly.



Slotted head

For special applications.



Grooved mandrel rivet

Intended for riveters to have a better grip. Generally for applications with high breaking load.



Conical rivet

Used when the hole is slightly oversized.



STRUCTURAL RIVETS

Structural rivets are fasteners with high mechanical properties of both tensile and shear strength, ideal for structural applications

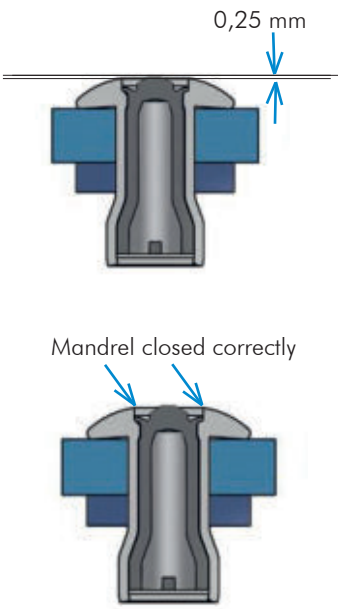


- Structural
- Multilock
- G-Bra
- Harldock
- Hardgrip
- Estrubolt

TIPS ON THE RIVETING PROCESS

- 1.- Drill the recommended hole in the table.
- 2.- The hole must be uniform for optimal fixing.
- 3.- Place the special nozzle on the machine.
- 4.- Ensure the rivet head is positioned on the surface to be set and that the rivet gun is positioned at a right angle to the application.

Once the rivet is set, we can inspect the mandrel break, which may protrude from the rivet head by a maximum of 0.25 mm. The maximum refers to the distance between the surface of the rivet head and the break in the mandrel.



RIVETING TOOLS NOSEPIECES

Ø NOSEPIECES	Nº	REFERENCE
4.8 STRUCTURAL	G	05BT2000063
6.5 STRUCTURAL *	J	05BT2000064
4.8 MULTILOCK	W	05BT2000094
6.5 MULTILOCK *	x	05BT2000095
6.4 G-BRA / HARDLOCK / 6.0 HARDGRIP*	I	05BT2000061
6.4 HARDGRIP *	V	05BT2000093

*Special jaws 05BM0001005 and pusher 05BT20000N6 are required.

STRUCTURALS

RIVETS



Designed for fixing elements where great resistance is required. In addition, it offers a wide thickness range, thus reducing inventory.



- Multi-thickness behavior.
- High tensile and shear strength.
- Good filling of the hole by radial expansion of the rivet.
- It offers optimum protection and water resistance.



STRUCTURAL RIVET

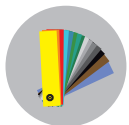
Dome head

ALUMINIUM/ALUMINIUM

Al Mg 5



d1 Ø mm	L Nominal mm	 mm	d2 Ø mm	K mm	W Ø mm	PACKAGING  	I Máx. mm	 E MIN. mm MAX.	 (N)	 (N)	REFERENCE
4.8	10,3 13,5	4,90-5,10	9,70	1,80	3,00	2.000	18,5	1,5 - 6,8	2900	2550	G1801004810 G1801004813
6.5	14,0 20,0	6,60-7,00	13,00	2,50	4,00	1.000	25,0	1,0 - 9,5	6000	4200	G1801006514 G1801006520
						1.000	35,0	2,0 - 16,0			



Tests according to EN ISO 14589

STRUCTURAL RIVET

Countersunk head 100°

ALUMINIUM/ALUMINIUM

Al Mg 5

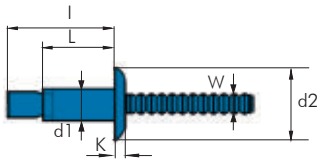


d1 Ø mm	L Nominal mm	 mm	d2 Ø mm	K mm	W Ø mm	PACKAGING  	I Máx. mm	 E MIN. mm MAX.	 (N)	 (N)	REFERENCE
4.8	12,3	4,90-5,10	9,70	1,80	3,00	2.000	20,0	3,0 - 8,4	2900	2550	G1802004812
6.5	16,50	6,60-7,00	10,60	2,00	4,00	1.000	26,5	3,0 - 12,0	6000	4200	G1802006516

Tests according to EN ISO 14589

This product needs to be set with a special nosepiece.
For installation information please contact your local BRALO representative.

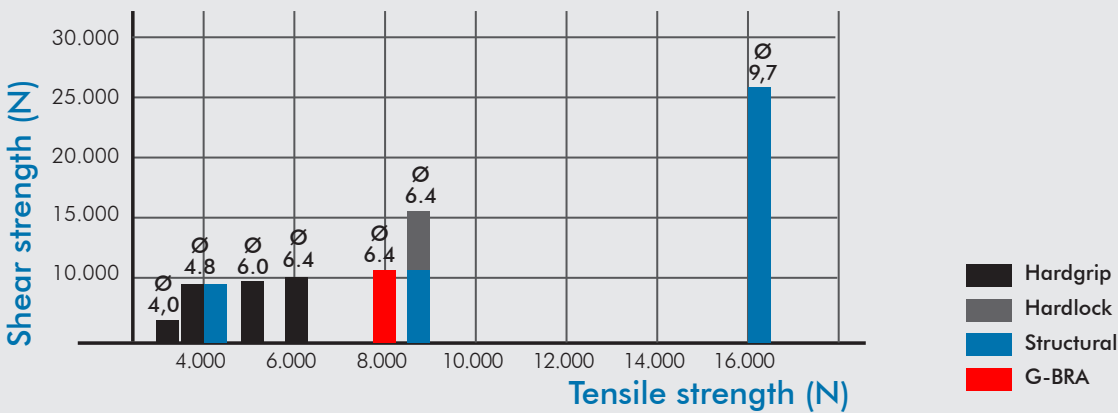




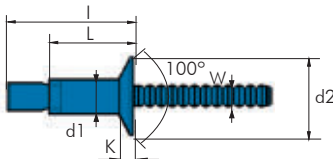
d1 Ø mm	L Nominal mm	 mm	d2 Ø mm	K mm	W Ø mm	PACKAGING  	I Máx. mm	 E MIN. mmMAX.	 (N)	 (N)	REFERENCE
4.8	10,3	4,90-5,10	9,70	1,80	3,00	2.000	18,5	1,5 - 6,8	5100	3900	G1821004810
	13,5					1.500	24,0	1,5 - 11,0			G1821004813
6.5	14,0	6,60-7,00	13,00	2,50	4,00	1.000	25,0	2,0 - 9,5	11200	8800	G1821006514
	20,0					1.000	35,0	2,0 - 16,0			G1821006520
	22,5					1.000	37,0	6,0 - 18,0			G1821006522
9,7	22,0	9,90-10,40	20,00	3,70	5,90	350	36,2	3,0 - 15,5	26300	17500	G1821009722

Tests according to EN ISO 14589

STRENGTH STEEL RIVETS (BRALO)



Structural rivets are manufactured with zinc-nickel coating.



d1 Ø mm	L Nominal mm	 mm	d2 Ø mm	K mm	W Ø mm	PACKAGING		I Máx. mm	 E MIN. mmMAX.	 (N)	 (N)	REFERENCE
						 Inner	 Outer					
4.8	12,3	4,90-5,10	8,70	1,80	3,00	2.000	1.500	20,0	3,0 - 8,4	5100	3900	G1822004812
	16,5											G1822004816
6.5	16,5	6,60-7,00	10,60	2,00	4,00	1.000	1.000	26,5	3,0 - 12,0	11200	8800	G1822006516
	22,0											G1822006522

Tests according to EN ISO 14589

This product needs to be set with a special nosepiece.
For installation information please contact your local BRALO representative.



STRUCTURAL RIVET
Dome head

INOX A2/INOX A2
AISI 304 AISI 304

d1 Ø mm	L Nominal mm	 mm	d2 Ø mm	K mm	W Ø mm	PACKAGING  		I Máx. mm	 E MIN. mmMAX.	 (N)	 (N)	REFERENCE	
4.8	10,3	4,90-5,10	9,70	1,80	3,00	2.000	18,5	1,5 - 6,8	5800	4800		G1826004810	
	13,5												
6.5	14,0	6,60-7,00	13,00	2,50	4,00	1.000	25,0	1,0 - 9,5	9900	8100		G1826006514	
	20,0												

Tests according to EN ISO 14589

STRUCTURAL RIVET
Countersunk head 100°

INOX A2/INOX A2
AISI 304 AISI 304

d1 Ø mm	L Nominal mm	 mm	d2 Ø mm	K mm	W Ø mm	PACKAGING  		I Máx. mm	 E MIN. mmMAX.	 (N)	 (N)	REFERENCE	
4.8	12,3	4,90-5,10	8,70	1,80	3,00	2.000	20,0	3,0 - 8,4	5100	3900		G1827004812	
	16,5												
6.5	16,5	6,60-7,00	10,60	2,00	4,00	1.000	26,5	3,0 - 12,0	9900	8100		G1827006516	
	22,5												

Tests according to EN ISO 14589

STRUCTURAL RIVET
Dome head

INOX A4/INOX A4
AISI 316 AISI 316

d1 Ø mm	L Nominal mm	 mm	d2 Ø mm	K mm	W Ø mm	PACKAGING  		I Máx. mm	 E MIN. mmMAX.	 (N)	 (N)	REFERENCE	
6.5	14,0	6,60-7,00	13,00	2,50	4,00	1.000	24,0	2,0 - 9,5	9900	8100		G1834006514	
	20,0												

Tests according to EN ISO 14589

This product needs to be set with a special nosepiece.
For installation information please contact your local BRALO representative.



INOX A2

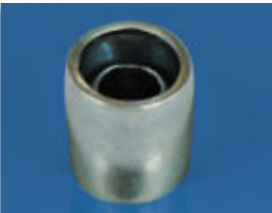
INOX A4

MULTILOCK RIVETS

The Bralo Multilock rivet is a version of the Structural rivet with a knurling between the mandrel and the head that offers a good hole filling, achieving great resistance to vibrations.

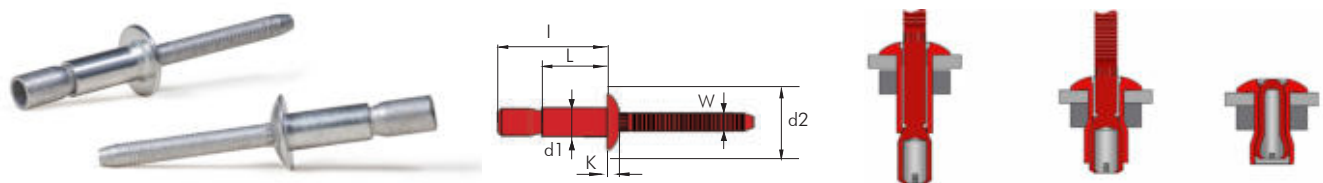


- High tensile and shear strength.
- Good filling of the hole by radial expansion of the rivet.
- The mechanical locking of the mandrel to the body offers high resistance to vibrations and avoids rattling caused by loose stems.
- Multi-thickness behavior .



ALUMINIUM/ALUMINIUM

MULTILOCK RIVET Dome head

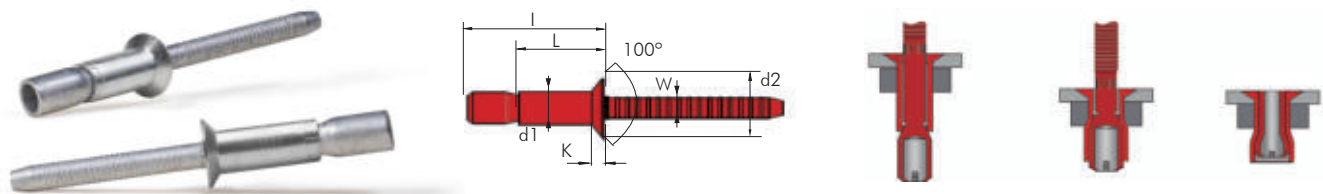


d1 Ø mm	L Nominal mm	 mm	d2 Ø mm	K mm	W Ø mm	PACKAGING   Inner Outer	I Max. mm	 E MIN. mm MAX.	 (N)	 (N)	REFERENCE
4.8	10,3	4,90-5,10	9,80	2,70	3,00	1.500	19,5	2,0 - 6,3	2300	1700	G1841004810
	14,0						1.500	2,0 - 11,1			G1841004814
6.4	14,0	6,60-7,00	13,50	3,00	4,00	1.000	25,5	2,0 - 9,5	4700	3400	G1841006414
	19,0						1.000	2,0 - 15,8			G1841006419

Tests according to EN ISO 14589

ALUMINIUM/ALUMINIUM

MULTILOCK RIVET Countersunk head 100°



d1 Ø mm	L Nominal mm	 mm	d2 Ø mm	K mm	W Ø mm	PACKAGING   Inner Outer	I Max. mm	 E MIN. mm MAX.	 (N)	 (N)	REFERENCE
4.8	12,0	4,90-5,10	8,80	2,10	3,00	2.000	20,0	3,1 - 8,4	2300	1700	G1842004812
	16,0						2.000	3,1 - 12,2			G1842004816
6.4	16,5	6,60-7,00	11,80	2,40	4,00	1.000	26,6	4,3 - 12,0	4700	3400	G1842006416
	21,5						1.000	4,3 - 18,4			G1842006421

Tests according to EN ISO 14589

MULTILOCK RIVET

Dome head

STEEL/STEEL
Zincplated 8 µ Zincplated 8 µ



d1 Ø mm	L Nominal mm	 mm	d2 Ø mm	K mm	W Ø mm	PACKAGING   Inner Outer	I Máx. mm	 MIN. mm MAX.	 (N)	 (N)	REFERENCE
4.8	10,0 14,0	4,90-5,10	9,50	2,20	3,00	2.000 2.000	19,0 25,5	1,5 - 6,3 1,5 - 11,1	5750	4600	G1843004810 G1843004814
6.4	14,0 19,0	6,60-7,00	13,50	3,00	4,00	1.000 1.000	25,5 34,5	2,0 - 9,5 2,0 - 15,8	11000	8900	G1843006414 G1843006419

Tests according to EN ISO 14589

MULTILOCK RIVET

Countersunk head 100°

STEEL/STEEL
Zincplated 8 µ Zincplated 8 µ



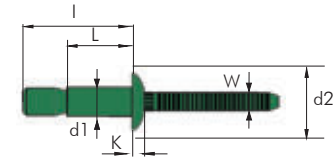
d1 Ø mm	L Nominal mm	 mm	d2 Ø mm	K mm	W Ø mm	PACKAGING   Inner Outer	I Máx. mm	 MIN. mm MAX.	 (N)	 (N)	REFERENCE
4.8	12,0 16,0	4,90-5,10	9,50	2,20	3,00	2.000 2.000	21,0 27,5	3,1 - 8,4 3,1 - 12,2	6200	4600	G1844004812 G1844004816
6.4	16,0 21,0	6,60-7,00	11,30	1,90	4,00	1.000 1.000	26,6 32,0	4,3 - 12,0 4,3 - 18,4	11000	8900	G1844006416 G1844006421

Tests according to EN ISO 14589

INOX A2/INOX A2

AISI 304 AISI 304

MULTILOCK RIVET Dome head



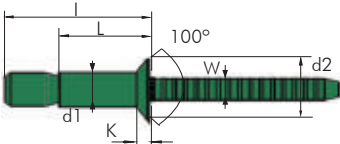
d1 Ø mm	L Nominal mm	 mm	d2 Ø mm	K mm	W Ø mm	PACKAGING   Inner Outer	I Máx. mm	 E MIN. mm MAX.	 (N)	 (N)	REFERENCE
4.8	10,5	4,80-5,10	10,20	2,30	3,00	2.000	19,0	1,5 - 6,3	5800	4500	G1846004810
	14,5						25,5	1,5 - 11,1			G1846004814
6.4	14,5	6,40-7,00	12,40	3,00	4,00	1.000	23,7	2,0 - 9,5	11000	8300	G1846006414
	19,0						33,0	2,0 - 15,8			G1846006419

Tests according to EN ISO 14589

INOX A2/INOX A2

AISI 304 AISI 304

MULTILOCK RIVET Countersunk head 100°



d1 Ø mm	L Nominal mm	 mm	d2 Ø mm	K mm	W Ø mm	PACKAGING   Inner Outer	I Máx. mm	 E MIN. mm MAX.	 (N)	 (N)	REFERENCE
4.8	12,3	4,90-5,10	8,80	2,10	3,00	2.000	20,0	3,1 - 8,4	5700	4100	G1847004812
	16,3						26,3	3,1 - 12,2			G1847004816
6.4	16,3	6,6-7,00	10,30	2,40	4,00	1.000	26,4	4,3 - 12,0	10000	8200	G1847006416
	21,3						35,6	4,3 - 18,4			G1847006421

Tests according to EN ISO 14589

HARDLOCK RIVETS

ALUMINIUM

The Bralo Hardlock rivet is designed for fastening elements where exceptional tensile and shear strength is required. It offers a large clamping area on the blind side distributing the load.



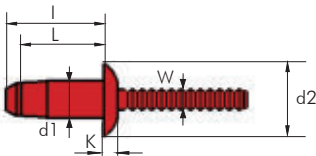
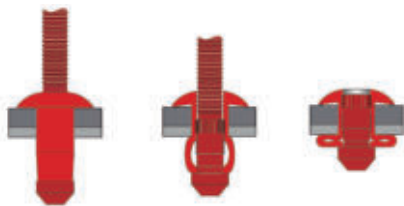
- Exceptional tensile and shear strength.
- Excellent values of clamping force and resistant to vibration resistant.
- Load and clamping force distribution resulting from the wide expansion of the blind side.
- Mechanical locking of the mandrel to the body provides high vibration resistance.



ALUMINIUM/ALUMINIUM

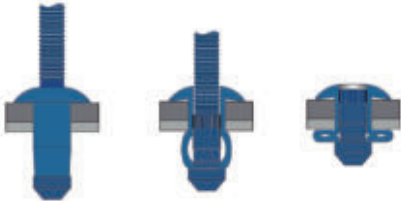
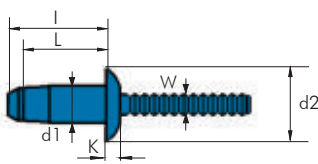
Al Mg 2,5 (AW5052)

HARDLOCK RIVET Dome head



d1 Ø mm	L Nominal mm	 mm	d2 Ø mm	K mm	W Ø mm	PACKAGING   Inner Outer	I Máx. mm	 E MIN. mm MAX.	 (N)	 (N)	REFERENCE
6.4	10,5	6,70-6,90	13,00	2,50	4,20	1.500	15,0	2,8 - 4,8	5000	2800	G1881006410
	12,5					1.000	17,0	4,8 - 6,8	5200	2800	G1881006412
	14,5					1.000	19,0	6,8 - 8,8	5400	2800	G1881006414
	16,5					1.000	21,0	8,8 - 10,8	5400	2800	G1881006416
	18,5					1.000	23,0	10,8 - 12,8	5400	2800	G1881006418

Tests according to EN ISO 14589

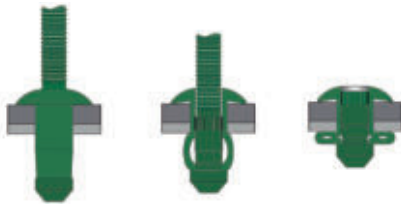
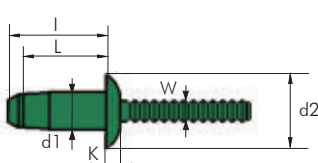


d1 Ø mm	L Nominal mm	 mm	d2 Ø mm	K mm	W Ø mm	PACKAGING   Inner Outer	I Máx. mm	 MIN. mm MAX.	 (N)	 (N)	REFERENCE
6.4	10,5	6,70-6,90	13,00	2,70	4,00	1.500	15,0	2,8 - 4,8	12000	8800	G1884006410
	12,5					1.000	17,0	4,8 - 6,8	12500	8800	G1884006412
	14,5					1.000	19,0	6,8 - 8,8	14000	8800	G1884006414
	16,5					1.000	21,0	8,8 - 10,8	15000	8800	G1884006416
	18,5					1.000	23,0	10,8 - 12,8	16000	8800	G1884006418
	20,5					1.000	25,0	12,8 - 14,8	16000	8800	G1884006420
	22,5					1.000	27,0	14,8 - 16,8	16000	8800	G1884006422

Tests according to EN ISO 14589



Nota: Under request are manufactured steel blind rivets with head (d2) to 19mm and countersunk head rivets.



d1 Ø mm	L Nominal mm	 mm	d2 Ø mm	K mm	W Ø mm	PACKAGING   Inner Outer	I Máx. mm	 MIN. mm MAX.	 (N)	 (N)	REFERENCE
6.4	10,6	6,70-6,90	13,00	2,90	4,00	1.000	13,0	2,0 - 4,5	13500	8000	G1886006410
	12,6					1.000	16,0	3,0 - 6,5	13500	8000	G1886006413
	15,6					1.000	19,0	5,0 - 8,5	13500	8000	G1886006415
	16,6					1.000	21,0	7,0 - 10,5	13500	8000	G1886006417

Tests according to EN ISO 14589

G-BRA RIVETS

Bralo's G-BRA rivet is designed for the most demanding applications, where higher clamping force and high tensile and shear strength are required. Excellent load and clamping force distribution due to the wide expansion of the blind side..

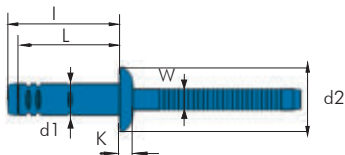


- Suitable for high tensile and shear strength applications.
- Effective mandrel head retention, which transfers excellent clamping force values to the application.
- Good filling of the drill hole. It compensates for uneven, misaligned or oversized bores and makes it more resistant to vibrations.
- Large support area on the hidden side.



G-BRA RIVET Dome head

STEEL/STEEL
Zincplated 8 μ Zincplated 8 μ

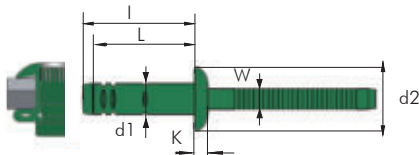
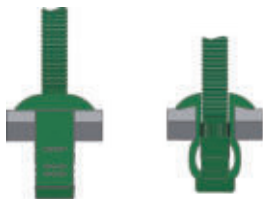


d1 Ø mm	L Nominal mm	 mm	d2 Ø mm	K mm	W Ø mm	PACKAGING		I Máx. mm	 MIN. mm MAX.	 (N)	 (N)	REFERENCE
												
6.4	12,7	6,70-7,00	12,50	2,70	4,30	1.000		16,0	2,0 - 4,5	8500	7400	G189A006413
	17,7					1.000		21,0	4,5 - 7,0	10000	7400	G189A006417
	20,7					1.000		24,0	7,0 - 10,5	11000	7400	G189A006420
	23,7					1.000		27,0	10,5 - 13,0	11000	7400	G189A006423
	25,7					1.000		29,0	13,0 - 15,5	11000	7400	G189A006425

Tests according to EN ISO 14589

G-BRA RIVET Dome head

INOX A2/INOX A2
AISI 304 AISI 304



d1 Ø mm	L Nominal mm	 mm	d2 Ø mm	K mm	W Ø mm	PACKAGING		I Máx. mm	 MIN. mm MAX.	 (N)	 (N)	REFERENCE
												
6.4	12,7	6,70-6,90	12,50	2,70	4,20	1.000		16,0	2,0 - 4,5	8500	8800	G189C006413
	14,7					1.000		18,0	4,0 - 6,5	10000	8800	G189C006415
	17,7					1.000		21,0	6,0 - 8,5	10000	8800	G189C006417
	20,7					1.000		24,0	8,0 - 11,0	11000	8800	G189C006420
	23,7					1.000		27,0	10,5 - 13,0	11000	8800	G189C006423
	25,7					1.000		29,0	12,5 - 15,0	11000	8800	G189C006425

Tests according to EN ISO 14589



Note: We manufacture G-BRA rivets with countersunk heads on request.

STEEL

INOX

HARDGRIP

RIVETS

Bralo's Hardgrip rivet is designed for applications where higher clamping force and strengths are required. Its wide expansion of the blind side causes the load and clamping force to be distributed and therefore makes it suitable for working with hard plastics and thin sheet metal.



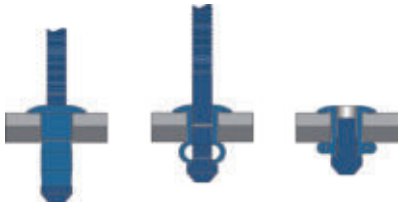
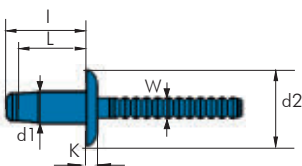
- High tensile and shear strength.
- Excellent clamping force values in demanding applications.
- Good filling of the drill hole. It compensates for uneven, misaligned or oversized bores and makes it more resistant to vibrations.
- Excellent aesthetics on both sides, ideal for thin sheets.



STEEL/STEEL

Zincplated 8 μ Zincplated 8 μ

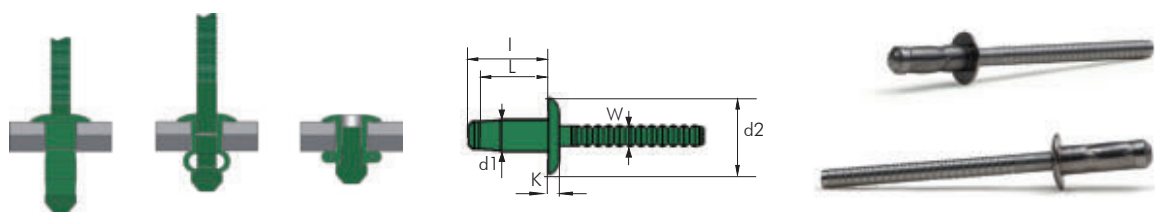
HARDGRIP RIVET Dome head



d1 Ø mm	L Nominal mm	 mm	d2 Ø mm	K mm	W Ø mm	PACKAGING		I Máx. mm	 E MIN. mmMAX.	 (N)	 (N)	REFERENCE
						Inner	Outer					
3.2	7,5	3,30-3,50	6,50	1,00	2,00	500	4.000	10,0	1,0 - 3,0	1700	1450	01894003207
	9,5					500	4.000	12,0	3,0 - 5,0	2000	1450	01894003210
	11,5					500	4.000	15,0	5,0 - 7,0	2400	1450	01894003212
4.0	7,5	4,10-4,30	8,00	1,40	2,60	500	4.000	10,5	1,0 - 3,0	2400	2800	01894004008
	8,5					500	4.000	11,5	2,0 - 4,0	2600	2800	01894004009
	9,5					500	3.000	12,5	3,0 - 5,0	3500	2800	01894004010
	12,5					500	3.000	15,5	5,0 - 7,0	4100	2800	01894004013
4.8	9,0	4,90-5,10	9,20	1,50	3,00	500	3.000	12,0	1,5 - 3,5	3500	3500	01894004809
	11,5					250	2.000	14,5	3,5 - 6,0	4200	3500	01894004812
	14,5					250	2.000	17,5	6,0 - 8,5	5600	3500	01894004815
	16,5					250	2.000	19,5	8,5 - 10,5	4200	3500	01894004817
6.0	10,5	6,10-6,30	12,00	1,80	4,00		1.500	14,0	1,5 - 4,0	4200	5400	G1894006010
	13,5						1.500	17,0	3,0 - 6,0	5400	5400	G1894006013
	16,5						1.000	20,0	6,0 - 9,0	8500	5400	G1894006016
	19,5						1.000	23,0	9,0 - 12,0	8500	5400	G1894006019
6.4	13,5	6,60-6-90	13,00	3,00	4,70		1.000	17,0	1,0 - 5,5	9500	6200	G1894006414
	17,5						1.000	21,0	5,0 - 9,0	9500	6200	G1894006418

Tests according to EN ISO 14589





d1 Ø mm	L Nominal mm	 mm	d2 Ø mm	K mm	W Ø mm	PACKAGING  Inner  Outer	I Máx. mm	 E MIN. mm MAX.	 (N)	 (N)	REFERENCE
3.2	7,5	3,30-3,40	6,60	1,00	2,10	500 4.000	10,0	1,0 - 3,0	2000	1700	01896003207
	9,5					500 4.000	12,0	3,0 - 5,0			01896003210
	11,5					500 4.000	15,0	5,0 - 7,0			01896003212
4.0	7,5	4,20-4,40	8,00	1,40	2,60	500 4.000	10,5	1,0 - 3,0	5200	3650	01896004008
	9,5					500 3.000	12,5	3,0 - 5,0			01896004010
	12,5					500 3.000	15,5	5,0 - 7,0			01896004013
4.8	8,5	5,00-5,20	9,20	1,50	3,20	500 3.000	12,0	0,5 - 2,0	5500	5000	01896004808
	9,5					500 3.000	13,0	1,5 - 3,5			01896004809
	11,5					250 2.000	15,0	3,5 - 6,0			01896004812
	14,5					250 2.000	18,0	6,0 - 8,5			01896004815
	16,5					250 2.000	20,0	8,5 - 11,0			01896004817
6.4	12,5	6,60-6,90	13,00	3,00	4,70	500	16,0	1,0 - 5,5	9500	7650	G1896006414
	16,5					500	20,0	5,0 - 9,0			G1896006418
	20,5					500	24,0	9,0 - 13,0			G1896006421

Tests according to EN ISO 14589



Note: We manufacture Hargrip rivets from A4 stainless steel on request.

LOCKBOLT BRALOCK

It provides a constant tightening value and tamper resistant joints.
Unlike the Unilock, it offers a wide thickness range allowing it to be used in a multitude of applications, reducing inventory and simplifying stock.



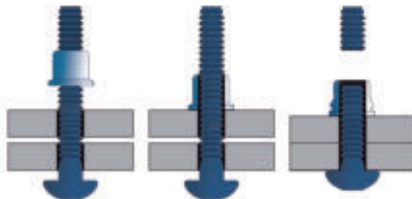
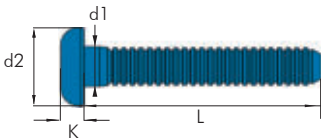
- Multi-thickness behavior.
- High tensile and shear strength.
- Solid and high quality joint, resistant to vibrations.
- It forms a permanent bond low-maintenance, low-maintenance and tamper-resistant.

STEEL

STEEL

Zincplated 8 μ

BRALOCK Lockbolt



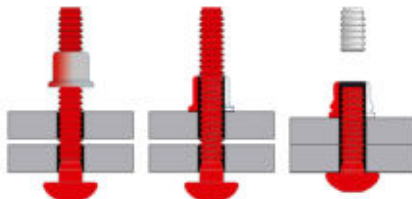
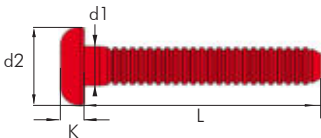
d1 Ø mm	L Nominal mm	 MAX. mm	d2 Ø mm	K mm	PACKAGING  Outer	 (N)	 (N)	CODE Mandrel	STANDARD COLLAR Ø 4.8 ref.: G7328004807 Ø 6.5 ref.: G7328006509 Ø 8,0 ref.: G7328008011				LARGE COLLAR Ø 6.5 ref.: G7329006511					
									d1	L	MIN.	E MAX	PACKAGING	d1	L	MIN.	E MAX	PACKAGING
4.8	45,80	5,60	9,50	3,00	1000	7600	7300	G7821004845	7,9	7	1,6 - 15,9		5000					
	60,60	5,60			1000			G7821004860	7,9	7	7,9 - 31,8		5000					
6.5	50,00	6,80	12,70	3,40	500	11800	16000	G7821006550	10,2	9,5	3,5 - 13,0		1000	10,2	10,60	3,5 - 12		1000
	57,00	6,80			500			G7821006557	10,2	9,5	3,5 - 20,0		1000	10,2	10,60	3,5 - 19		1000
	66,75	6,80			500			G7821006566	10,2	9,5	12,5 - 28,0		1000	10,2	10,60	12,5 - 27		1000
8,2	60,45	9,10	15,85	4,85	250	13200	20200	G7821008060	12,85	11,1	3.0 - 19,0		1000					
	73,15	9,10			250			G7821008073	12,85	11,1	15,9 - 34,9		1000					

ALUMINIUM

ALUMINIUM

Al Mg

BRALOCK Lockbolt



d1 Ø mm	L Nominal mm	 mm	d2 Ø mm	K mm	PACKAGING  Outer	 (N)	 (N)	CODE Mandrel	STANDARD COLLAR G7308006509				
									d1	L	E	PACKAGING	
6.5	50,00	6,80	12,70	3,40	500	5300	7200	G7811006550	10,2	9,5	3,5 - 13,0	5000	
	57,00	6,80			500			G7811006557	10,2	9,5	3,5 - 20,0	5000	
	66,75	6,80			500			G7811006566	10,2	9,5	12,5 - 28,0	5000	

Check prices and minimum quantity.



LOCKBOLT UNILOCK

It is designed for a clean installation due to its controlled breakage feature.

UNILOCK is used to secure long-term joints requiring high vibration resistance and high mechanical values.

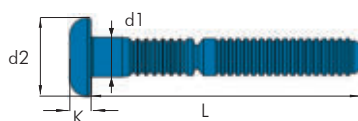
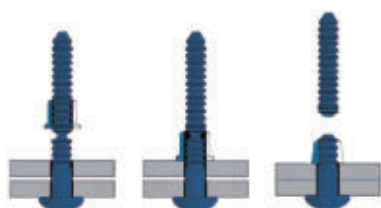
- Controlled breakage.
- High performance and high vibration resistance.
- Structural assembly for joints that support heavy loads.

UNILOCK Lockbolt

STEEL/STEEL

Zincplated 8 μ

STEEL



d1 Ø mm	L Nominal mm		d2 Ø mm	K mm	PACKAGING  Outer	 (N)	 (N)	CODE Perno	STANDARD COLLAR Ø 4.8 ref.: G7321004806 Ø 6.5 ref.: G7321006508 Ø 8,0 ref.: G7321008009 Ø 9,6 ref.: G7321009611				LARGE COLLAR Ø 4.8 ref.: G7322004806 Ø 6.5 ref.: G7322006509 Ø 8,0 ref.: G7322008010 Ø 9,6 ref.: G7322009611			
									d1	L	MIN. E MAX.	PACKAGING	d1	L	MIN. E MAX.	PACKAGING
4.8	38,8	5,00	9,60	3,00	1.000	7700	7300	G76210048048	7,9	6,1	4.8 - 7,9	1000	7,9	7	4.8 - 6,9	1000
	40,4				1.000			G76210048064			6.4 - 9,5	1000			6.4 - 8,5	1000
	42,0				1.000			G76210048079			7,9 - 11,1	1000			7,9 - 10,1	1000
	43,6				1.000			G76210048095			9,5 - 12,7	1000			9,5 - 11,7	1000
	45,2				1.000			G76210048111			11,1 - 14,3	1000			11,1 - 13,3	1000
6.5	38,6	6,60	13,00	3,50	500	17500	12000	G76210065016	10,5	8,2	1,6 - 4.8	1000	10,2	9	1,6 - 3.0	1000
	40,2				500			G76210065032			3.0 - 6.4	1000			3.0 - 4.8	1000
	41,8				500			G76210065048			4.8 - 7,9	1000			4.8 - 6,3	1000
	43,4				500			G76210065064			6.4 - 9,5	1000			6.4 - 7,9	1000
	45,0				500			G76210065079			7,9 - 11,1	1000			7,9 - 9,5	1000
	46,5				500			G76210065095			9,5 - 12,7	1000			9,5 - 11,1	1000
	48,1				500			G76210065111			11,1 - 14,3	1000			11,1 - 12,7	1000
	49,7				500			G76210065127			12,7 - 15,9	1000			12,7 - 14,3	1000
	51,3				500			G76210065143			14,3 - 17,5	1000			14,3 - 15,9	1000
	52,9				500			G76210065159			15,9 - 19,1	1000			15,9 - 17,5	1000
	54,5				500			G76210065175			17,5 - 20,6	1000			17,5 - 19,0	1000
	56,1				500			G76210065191			19,1 - 22,2	1000			19,1 - 20,6	1000
	57,7				500			G76210065206			20,6 - 23,8	1000			20,6 - 22,2	1000
	59,3				500			G76210065222			22,2 - 25,4	1000			22,2 - 23,8	1000
	60,8				500			G76210065238			23,8 - 27,0	1000			23,8 - 25,4	1000
	64,0				500			G76210065270			27,0 - 30,2	1000			27,0 - 28,6	1000
	67,2				500			G76210065302			30,2 - 33,4	1000			30,2 - 31,8	1000
8,0	48,5	8,30	16,00	4,70	250	21000	20500	G76210080032	12,9	9,3	3.0 - 9,5	1000	12,8	10,4	3.0 - 7,7	1000
	51,7				250			G76210080064			6.4 - 12,7	1000			6.4 - 10,9	1000
	54,9				250			G76210080095			9,5 - 15,8	1000			9,5 - 14,0	1000
	58,0				250			G76210080127			12,7 - 19,0	1000			12,7 - 17,2	1000
	61,2				250			G76210080158			15,8 - 22,2	1000			15,8 - 20,4	1000
9,6	53,9	9,80	18,80	6,00	250	30400	28900	G76210096032	15,1	11,4	3.0 - 9,5	1000	15,3	13,2	3.0 - 11,5	1000
	57,1				250			G76210096064			6.4 - 12,7	1000			6.4 - 14,7	1000
	60,2				250			G76210096095			9,5 - 15,8	1000			9,5 - 17,8	1000
	63,4				250			G76210096127			12,7 - 19,0	1000			12,7 - 21,0	1000
	66,6				250			G76210096158			15,8 - 22,2	1000			15,8 - 24,2	1000

Check prices and minimum quantity.

ESTRUBOLT

RIVETS

It is a fastener that shares the advantages of a lockbolt for use in blind accesses.

Its high tensile and shear strength makes it the highest strength fastener on the market. Ideal for use in demanding applications such as infrastructure, solar structures, mining, etc.



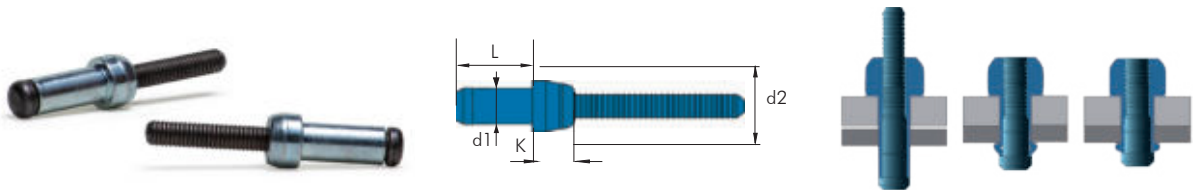
STEEL

- High tensile and shear strength.
- Fast installation.
- Mandrel head retention system by mechanical locking, creating a vibration resistant seal.
- It forms a permanent bond low maintenance and tamper-proof.

STEEL/STEEL

Zincplated 8 µ

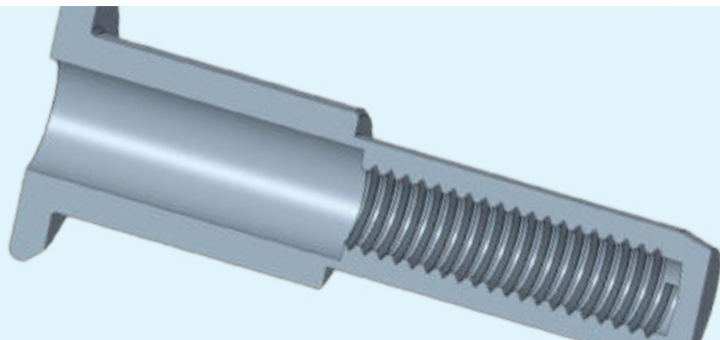
ESTRUBOL RIVET



d1 Ø mm	L Nominal mm	 mm	d2 Ø mm	K mm	W Ø mm	PACKAGING   Inner Outer	I Max. mm	 MIN. mm MAX.	 (N)	 (N)	REFERENCE
6.4	11,7	7,00-7,40	9,45	5,30	4,45	900	16,0	2,5 - 4,0	22600	14400	G1820006412
	13,5					900	17,5	4,0 - 5,6			G1820006414
	15,0					900	19,0	5,6 - 7,2			G1820006415
	16,5					900	20,5	7,2 - 8,7			G1820006416
	18,0					900	22,0	8,7 - 10,3			G1820006418
	19,5					700	24,0	10,3 - 11,9			G1820006419
	21,0					700	25,5	11,9 - 13,5			G1820006421
	23,0					700	27,0	13,5 - 15,1			G1820006423
	24,5					700	28,5	15,1 - 16,7			G1820006424
	26,0					700	30,0	16,7 - 18,3			G1820006426
	27,5					700	31,5	18,3 - 19,8			G1820006427
	29,0					700	33,5	19,8 - 21,4			G1820006429
8,0	30,5					700	35,0	21,4 - 23,0			G1820006430
	17,5	8,80-9,40	11,9	6,8	5,75	400	22,2	4,8 - 7,9	35800	23100	G1820008018
	19,0					400	23,8	6,4 - 9,5			G1820008019
	20,8					400	25,4	8,0 - 11,1			G1820008021
	24,0					400	28,6	11,1 - 14,3			G1820008024
	27,5					400	31,8	14,3 - 17,5			G1820008028
	30,5					300	34,9	17,5 - 20,6			G1820008031
	33,5					300	38,1	20,6 - 23,8			G1820008034
9,6	36,5					300	41,3	23,8 - 27,0			G1820008037
	19,5	10,5-11,00	14,1	8	6,8	300	25,0	4,8 - 7,9	49400	32200	G1820009620
	22,5					300	28,0	7,9 - 11,1			G1820009623
	26,0					200	31,0	11,1 - 14,3			G1820009626
	29,0					200	34,3	14,3 - 17,5			G1820009629
	32,2					200	37,5	17,5 - 20,6			G1820009632
	35,3					200	40,5	20,6 - 23,8			G1820009635
	38,5					200	43,8	23,8 - 27,0			G1820009639
12,7	41,7					200	47,0	27,0 - 30,1			G1820009642
	45,0					200	50,2	30,1 - 33,3			G1820009645
	25,5	13,90-14,80	18,9	10,7	9,05	100	32,5	6,4 - 9,5	89600	57800	G1820001325
	28,5					100	36,3	9,5 - 12,7			G1820001329
	31,8					100	39,0	12,7 - 15,9			G1820001332
	35,0					100	42,2	15,9 - 19,1			G1820001335
	38,0					100	45,3	19,1 - 22,2			G1820001338
	41,3					100	48,5	22,2 - 25,4			G1820001341
	44,5					100	51,5	25,4 - 28,6			G1820001345
	47,5					100	55,0	28,6 - 31,8			G1820001348
16	50,8					100	58,0	31,8 - 34,9			G1820001351
	54,0					100	61,2	34,9 - 38,1			G1820001354
	57,0					100	64,5	38,1 - 41,3			G1820001357
	30,8	17,40-18,5	23,7	13,2	11,85	50	39,0	6,4 - 12,7	126700	91200	G1820001631
	37,0					50	45,0	12,7 - 19,1			G1820001637
19	43,5					50	51,5	19,1 - 25,4			G1820001644
	47,0					50	58,0	25,3 - 31,8			G1820001647
	56,0					50	64,5	31,8 - 38,1			G1820001656
	XX	21,00-22,2	28,6	16,6					200600	129400	

SPECIAL PARTS

One of BRALO's commitments is to find ways to meet its customers' special product needs.



**SPECIALISTS IN
SOLUTIONS FOR
COLD STAMPING**



THREADED PARTS



SPACERS AND BUSHINGS



SEMI-PERFORATED



MACIZED PIECES



ASSEMBLED PARTS

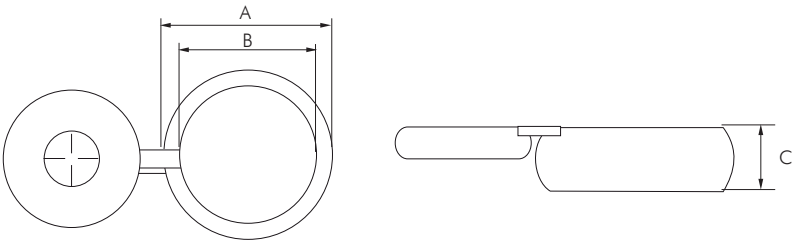


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SEALING PARTS

NYLON

CAPS
Rivet accessories

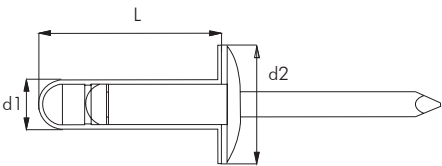


For rivets d1 Ø mm	RAL	A mm	B mm	C mm	PACKAGING		REFERENCE
					Inner	Outer	
3.2 4.0 4.8	Black	9005	12,00	9,50	4,40	500 4.000	07000N09000
3.2 4.0 4.8	White		12,00	9,50	4,40	500 4.000	07000BL9000
3.2 4.0 4.8	Yellow	1104	12,00	9,50	4,40	500 4.000	07000J19000
3.2 4.0 4.8	Grey	7038	12,00	9,50	4,40	500 4.000	07000G09000
3.2 4.0 4.8	Brown	8014	12,00	9,50	4,40	500 4.000	07000M09000
3.2 4.0 4.8	Cream	1015	12,00	9,50	4,40	500 4.000	07000BE9000
3.2 4.0 4.8	Blue	5002	12,00	9,50	4,40	500 4.000	07000A59000

Note: The nylon caps can be used with standard, peeled and trebol rivets with a head diameter up to 9,5 mm.

NYLON

COVERS
Rivet accessories



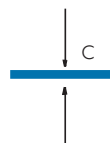
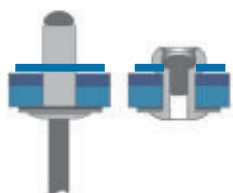
For rivets d1 Ø mm	L Nominal mm	d1 mm	d2 mm	RAL	PACKAGING		REFERENCE
					Inner	Outer	
4.8	21,0	5,80	14,00	Black 9005	250	2.000	07000N01400

Note: Covers are applied before the riveting process. They are used to isolate the rivet head from the application surface and prevent fluid penetration.

ACCESSORIES FOR RIVETS

WASHERS FOR RIVETS Rivet accessories

STEEL
Galvanizado

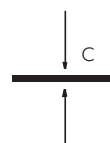


For rivets d1 Ø mm	A mm	B mm	C mm	BLISTER		REFERENCE
				Inner	Outer	
2.4	2,50	9,00	1,00	500	8.000	07210002400
3.0	3,10	9,00	1,00	500	8.000	07210003000
3.2	3,30	9,50	1,00	500	8.000	07210003200
4.0	4,10	12,00	1,00	250	4.000	07210004000
4.8	4,90	15,00	1,50	125	2.000	07210004800
5.0	5,10	15,00	1,50	125	2.000	07210005000
6.0	6,10	15,00	1,50	125	2.000	07210006000
6.4	6,50	15,00	1,50	125	2.000	07210006400

Note: The washers are used when the material on the back of the application is soft or brittle. Or when the drill on the back is too big. Ideal for repair and replacement of rivets.

WASHERS FOR RIVETS Rivet accessories

EPDM



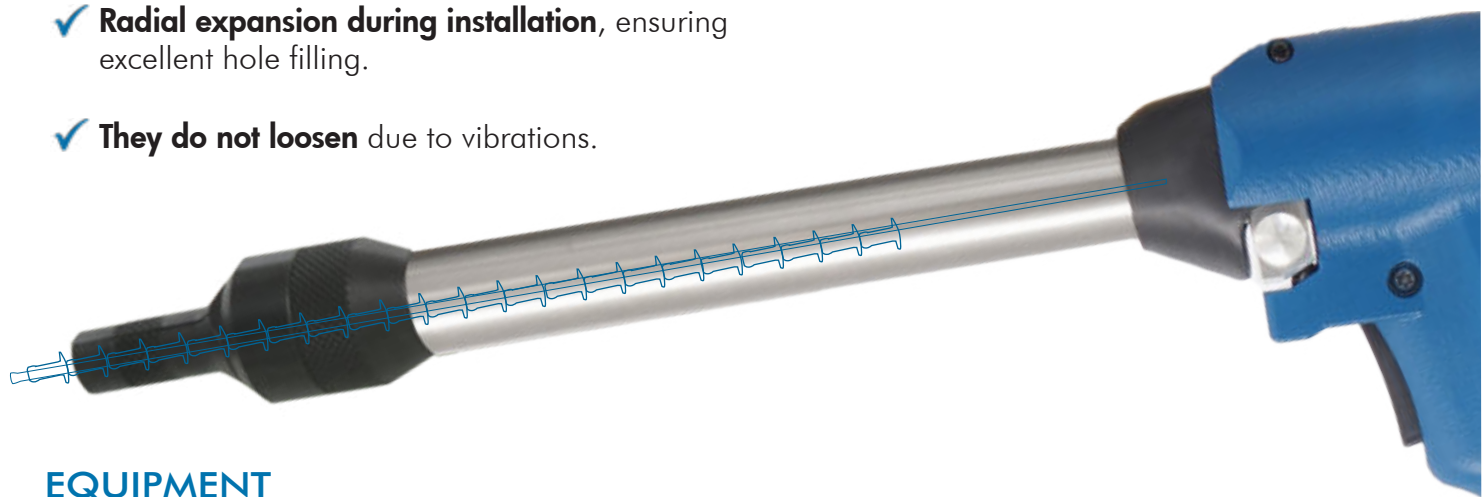
For rivets d1 Ø mm	A mm	B mm	C mm	BLISTER		REFERENCE
				Inner	Outer	
4.0	3,80	7,00	0,80	500	8.000	07020A703801
4.0 H/large	4,00	14,00	1,30	500	8.000	07020A144001
4.8	4,60	9,00	1,00	1000	16.000	07020A904601
6.4	6,10	9,60	1,00	500	8.000	07020A966101

Note: The EPDM washers increase the tightness of rivets and nuts. They can be easily placed on the fastening element.

SPEED RIVETS

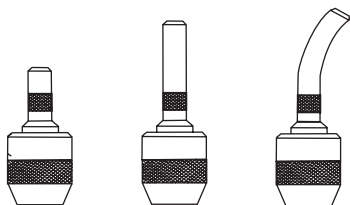
Series fasteners for faster assembly, with high tightening capacity and shear resistance.

- ✓ High precision and **high quality assembly**.
- ✓ **Increases productivity**, there are no interruptions and up to 60 rivets can be placed per minute.
- ✓ **Riveted without damaging already painted or enameled surfaces**.
- ✓ Materials with **different types of construction can be joined**: composites, laminated materials, heat treated, etc.
- ✓ **Radial expansion during installation**, ensuring excellent hole filling.
- ✓ **They do not loosen** due to vibrations.



EQUIPMENT

- 1 Select the appropriate riveter for your application and the BSR or BSV speed rivet supplied on a paper strip.



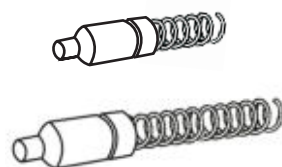
NOSEPIECES

- 2 The basic equipment always consists of three elements: nosepiece, mandrel and spring.



MANDRELS

- 3 BRALO will help you select the right set to achieve high-quality riveting.



SPRINGS

SPEED RIVETS



PREPARING THE RIVETER

1. Position the desired nosepiece according to the drill and application.
2. Insert the mandrel into the paper strip.
3. Position the spring at the lower end of the mandrel.

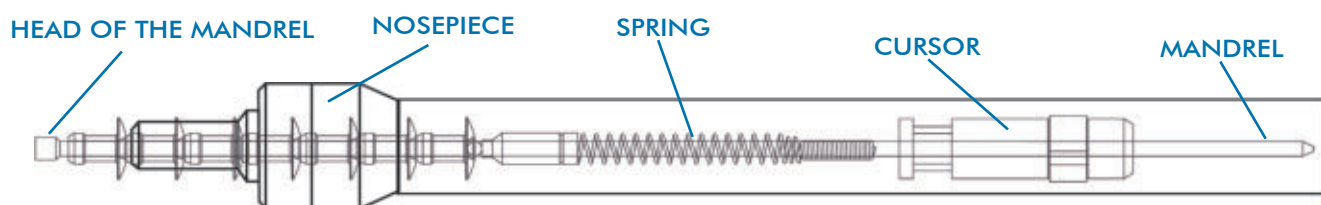


4. Remove the paper sleeve as shown in the image.
5. Open the nosepiece by hand and fit the mandrel with the rivets and spring.
6. Adjust the distance between the nosepiece and the head of the first rivet.



ADVANTAGES OF THE SINGLE MANDREL REPETITION SYSTEM

- At the end of a riveting cycle, the **next rivet is automatically fed** into the tool's nosepiece, ready to begin a new riveting cycle.
- It **eliminates the need for individual rivet heads**, improving cleanliness and safety in the work area and contributing to more sustainable production environments.
- It **prevents potential problems** with rivet sticking and noise.



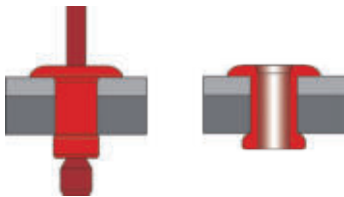
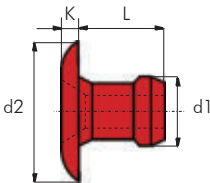


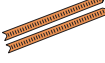
Suitable for all types of materials:
metals or plastics, composite
materials and electronic
components.

SPEED RIVETS BSR

ALUMINIUM

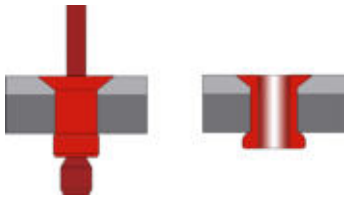
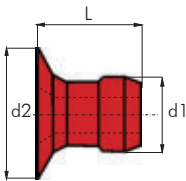
BSR SPEED RIVET Dome head

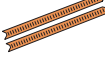


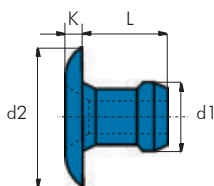
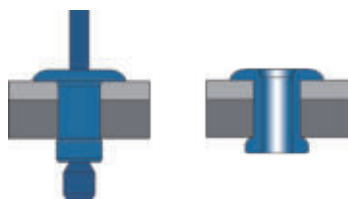
d1 Ø mm	L Nominal mm	 mm	d2 Ø mm	K mm	 N° pieces	PACKAGING  Outer	 E MIN. mmMAX.	 (N)	 (N)	REFERENCE
3.2	4,3	3,26 - 3,34	6,30	0,95	58	30.000	1,2 - 2,4	720	1260	G1550003204
	5,3				48	25.000	2,2 - 3,4			G1550003205
	6,3				42	20.000	3,0 - 4,4			G1550003206
	7,3				37	20.000	4,2 - 5,4			G1550003207
	8,3				33	15.000	5,2 - 6,4			G1550003208
	9,3				30	15.000	6,2 - 7,5			G1550003209
4,0	4,8	3,97 - 4,04	8,00	1,05	35	23.000	1,0 - 2,0	1100	1700	G1550004004
	4,9				52	23.000	1,6 - 2,9			G1550004005
	5,9				44	20.000	2,7 - 3,9			G1550004006
	6,9				38	17.000	3,7 - 4,9			G1550004007
	7,9				34	15.000	4,7 - 5,9			G1550004008
	8,9				30	13.000	5,7 - 6,9			G1550004009
	9,9				28	12.000	6,7 - 7,9			G1550004010
4,8	6,1	4,87 - 4,95	9,50	1,20	42	15.000	2,1 - 3,9	1400	1900	G1550004806
	7,3				36	13.000	3,7 - 5,2			G1550004807
	8,6				31	11.000	5,0 - 6,4			G1550004808
	9,9				28	10.000	6,3 - 7,7			G1550004809
	11,1				24	9.000	7,5 - 9,0			G1550004811

ALUMINIUM

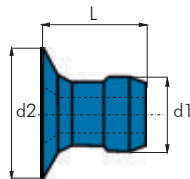
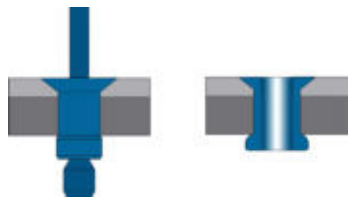
BSR SPEED RIVET Countersunk head

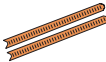


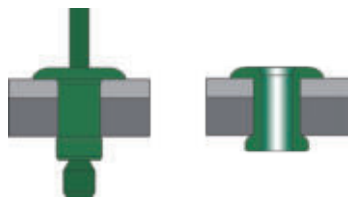
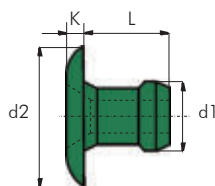
d1 Ø mm	L Nominal mm	 mm	d2 Ø mm	K mm	 N° pieces	PACKAGING  Outer	 E MIN. mmMAX.	 (N)	 (N)	REFERENCE
3.2	4,8	3,26 - 3,34	5,40	0,75	65	30.000	1,6 - 2,7	700	1000	G1552003204
	5,8				52	25.000	2,6 - 3,8			G1552003205
	6,8				44	20.000	3,6 - 4,8			G1552003206
	7,9				38	20.000	4,6 - 5,8			G1552003207
	8,8				34	17.000	5,6 - 6,8			G1552003208
4,0	5,2	3,97 - 4,04	6,50	1,05	58	25.000	1,6 - 2,9	1100	1700	G1552004005
	5,7				54	23.000	2,2 - 3,4			G1552004055
	6,2				49	20.000	2,7 - 3,9			G1552004006
	7,2				42	20.000	3,7 - 4,9			G1552004007
	8,2				36	15.000	4,7 - 5,9			G1552004008
	9,2				32	15.000	5,7 - 6,9			G1552004009

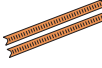


d1 Ø mm	L Nominal mm	 mm	d2 Ø mm	K mm	 N° pieces	PACKAGING  Outer	 E MIN. mmMAX.	 (N)	 (N)	REFERENCE
3.2	3,8	3,26 - 3,34	6,30	0,95	65	30.000	1,0 - 1,9	1100	1800	G1560003203
	4,3				58	30.000	1,2 - 2,4			G1560003204
	5,3				48	25.000	2,2 - 3,4			G1560003205
	6,3				42	20.000	3,0 - 4,4			G1560003206
	7,3				37	20.000	4,2 - 5,4			G1560003207
	8,3				33	15.000	5,2 - 6,4			G1560003208
	9,3				30	15.000	6,2 - 7,5			G1560003209
4.0	4,9	3,97 - 4,04	8,00	1,05	52	23.000	1,6 - 2,9	1600	2800	G1560004005
	5,4				44	20.000	2,2 - 3,4			G15600040055
	5,9				44	20.000	2,7 - 3,9			G1560004006
	6,9				38	17.000	3,7 - 4,9			G1560004007
	7,9				34	15.000	4,7 - 5,9			G1560004008
	8,9				30	13.000	5,7 - 6,9			G1560004009
4.8	5,4	4,85 - 4,93	9,50	1,20	46	15.000	1,7 - 3,3	2200	3700	G1560004805
	6,1				42	15.000	2,1 - 3,9			G1560004806
	7,3				36	13.000	3,7 - 5,2			G1560004807
	8,6				31	11.000	5,0 - 6,4			G1560004808
	9,9				28	10.000	6,3 - 7,7			G1560004809
	11,1				24	9.000	7,5 - 9,0			G1560004811



d1 Ø mm	L Nominal mm	 mm	d2 Ø mm	K mm	 N° pieces	PACKAGING  Outer	 E MIN. mmMAX.	 (N)	 (N)	REFERENCE
3.2	4,3	3,26 - 3,34	5,40	0,75	70	30.000	1,3 - 2,0	900	1600	G1562003203
	4,8				65	30.000	1,6 - 2,7			G1562003204
	5,8				52	25.000	2,6 - 3,8			G1562003205
	6,8				44	20.000	3,6 - 4,8			G1562003206
	7,9				38	20.000	4,6 - 5,8			G1562003207
	8,8				34	17.000	5,6 - 6,8			G1562003208
4.0	5,2	3,97 - 4,04	6,50	1,05	58	25.000	1,6 - 2,9	1100	1700	G1562004005
	5,7				54	23.000	2,2 - 3,4			G15620040055
	6,2				49	20.000	2,7 - 3,9			G1562004006
	7,2				42	20.000	3,7 - 4,9			G1562004007
	8,2				36	15.000	4,7 - 5,9			G1562004008
	9,2				32	15.000	5,7 - 6,9			G1562004009



d1 Ø mm	L Nominal mm	 mm	d2 Ø mm	K mm	 N° pieces	PACKAGING  Outer	 E MIN. mmMAX.	 (N)	 (N)	REFERENCE
3.2	4,3	3,26 - 3,34	6,30	0,95	58	30.000	1,2 - 2,4	1300	2000	G1570003204
	5,3				48	25.000	2,2 - 3,4			G1570003205
	6,3				42	20.000	3,0 - 4,4			G1570003206
4.0	4,9	3,97 - 4,04	8,00	1,05	52	23.000	1,6 - 2,9	2400	3500	G1570004004
	5,4				44	20.000	2,2 - 3,4			G1570004005
	5,9				44	20.000	2,7 - 3,9			G1570004006
	6,9				38	17.000	3,7 - 4,9			G1570004007
4.8	5,4	4,85 - 4,93	9,50	1,20	46	15.000	1,7 - 3,3	3500	5100	G1570004805
	6,1				42	15.000	2,1 - 3,9			G1570004806
	7,3				36	13.000	3,7 - 5,2			G1570004807

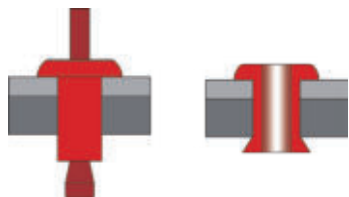
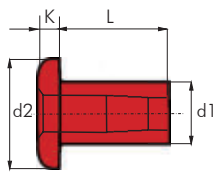
SPEED
RIVETS
BSV

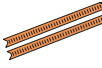
Intended for quick joining
of soft or low-strength
materials requiring
controlled tightening.



ALUMINIUM

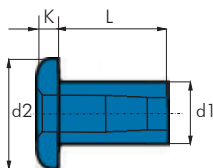
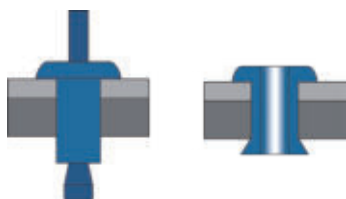
BSV SPEED RIVET
Dome head



d1 Ø mm	L Nominal mm	 mm	d2 Ø mm	K mm	 N° pieces	PACKAGING  Outer	 E MIN. mmMAX.	 (N)	 (N)	REFERENCE
3.2	3.0	3,30-3,35	5,20	1,20	70	30.000	0,5 - 1,6	500		G1510003203
	4.8				51	25.000	1,6 - 3.0			G1510003204
	6.4				38	20.000	3.0 - 4.8			G1510003206
	7.9				32	17.000	4.8 - 6.4			G1510003207
	9.5				27	15.000	6.4 - 7,9			G1510003209
	11,1				23	12.000	7,9 - 9,5			G1510003211
4.0	4.8	4,10-4,15	6,20	1,50	46	20.000	1,6 - 3.0	700		G1510004004
	6.4				38	17.000	3.0 - 4.8			G1510004005
	7,9				34	15.000	4.8 - 6.4			G1510004006
	9,5				27	12.000	6.4 - 7,9			G1510004007
	11,1				23	9.000	7,9 - 9,5			G1510004008
4.8	5,6	4,85-4,95	8,60	1,80	38	13.000	1,6 - 3.0	1000		G1510004805
	7,2				33	12.000	3.0 - 4.8			G1510004807
	8,8				28	10.000	4.8 - 6.4			G1510004808
	10,3				24	9.000	6.4 - 7,9			G1510004810
	11,9				22	8.000	7,9 - 9,5			G1510004811

BSV SPEED RIVET
Dome head

STEEL

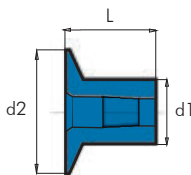
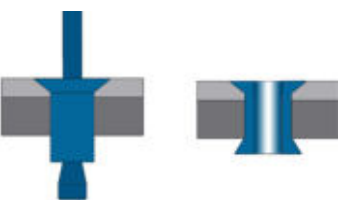


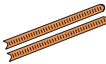
d1 Ø mm	L Nominal mm	 mm	d2 Ø mm	K mm	 N° pieces	PACKAGING  Outer	 E MIN. mmMAX.	 (N)	 (N)	REFERENCE
3.2	3.0	3,27-3,34	5,20	1,20	70	30.000	0,5 - 1,6	1000		G1520003203
	4.8				51	25.000	1,6 - 3.0			G1520003205
	6.4				38	20.000	3.0 - 4.8			G1520003206
	7.9				32	17.000	4.8 - 6.4			G1520003207
	9.5				27	15.000	6.4 - 7.9			G1520003209
	11.1				23	12.000	7.9 - 9.5			G1520003211
4.0	4.8	4,10-4,15	6,20	1,50	46	20.000	1,6 - 3.0	1400		G1520004004
	6.4				38	17.000	3.0 - 4.8			G1520004006
	7.9				34	15.000	4.8 - 6.4			G1520004007
	9.5				27	12.000	6.4 - 7.9			G1520004009
	11.1				23	9.000	7.9 - 9.5			G1520004011
	5.6				38	13.000	1,6 - 3.0	2400		G1520004805
4.8	7.2	4,85-4,95	8,60	1,80	33	12.000	3.0 - 4.8			G1520004807
	8.8				28	10.000	4.8 - 6.4			G1520004808
	10.3				24	9.000	6.4 - 7.9			G1520004810
	11.9				22	8.000	7.9 - 9.5			G1520004812

SPEED RIVETS

BSV SPEED RIVET
Countersunk head

STEEL



d1 Ø mm	L Nominal mm	 mm	d2 Ø mm	K mm	 N° pieces	PACKAGING  Outer	 E MIN. mmMAX.	 (N)	 (N)	REFERENCE
3.2	3.0	3,28-3,34	5,50		70	30.000	0,5 - 1,6	1000		G1522003203
	4.0				70	30.000	1,0 - 2.4			G1522003204
	4.8				65	30.000	1,6 - 3.0			G1522003205
	6.4				46	20.000	3.0 - 4.8			G1522003206
	7.9				37	15.000	4.8 - 6.4			G1522003208
	9.5				34	15.000	6.4 - 7.9			G1522003209
4.0	4.8	4,09-4,16	6,50		62	20.000	1,6 - 3.0	1400		G1522004004
	6.4				46	20.000	3.0 - 4.8			G1522004006
	7.9				37	15.000	4.8 - 6.4			G1522004008
	9.5				31	13.000	6.4 - 7.9			G1522004009
	11.2				27	12.000	7.9 - 9.5			G1522004011
4.8	5.6	4,85-4,93	8,90		52	15.000	1,6 - 3.0	2400		G1522004805
	7.2				41	15.000	3.0 - 4.8			G1522004807
	8.8				33	10.000	4.8 - 6.4			G1522004808
	10.3				28	10.000	6.4 - 7.9			G1522004810
	11.9				25	9.000	7.9 - 9.5			G1522004812

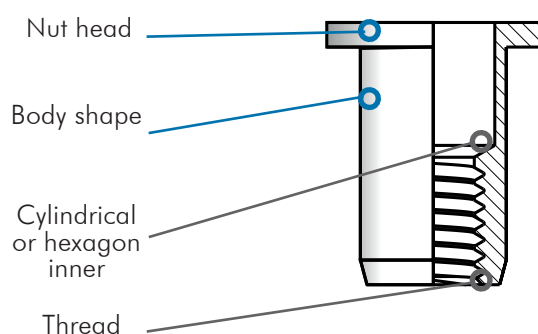
RIVET NUTS

BRALO rivet nuts provide a fast, reliable and simple fastening system of high quality and strength.

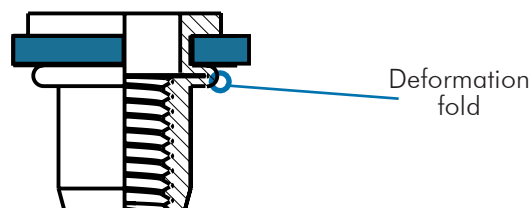


- The rivet nut is the solution to have a threading point in soft or thin materials.
- It is designed for blind applications that are only accessible on one side of the assembly, such as hinges, brackets or panels.
- As no post-fitting touch-up is required, even on coated or painted parts, it can be installed at any stage of production.

► PARTS OF THE NUT



AFTER RIVETING PROCESS ◀



► TYPES OF HEAD



REDUCED HEAD

It offers the possibility of creating a virtual flat surface without the need of countersinking.



COUNTERSUNK HEAD

This type of head creates a flush surface as a countersunk drill is applied in the application.



LARGE HEAD

It provides a large bearing area that strengthens the hole and prevents traction and pulling failures. It can also be used as a separator.

TYPES OF END



OPEN END

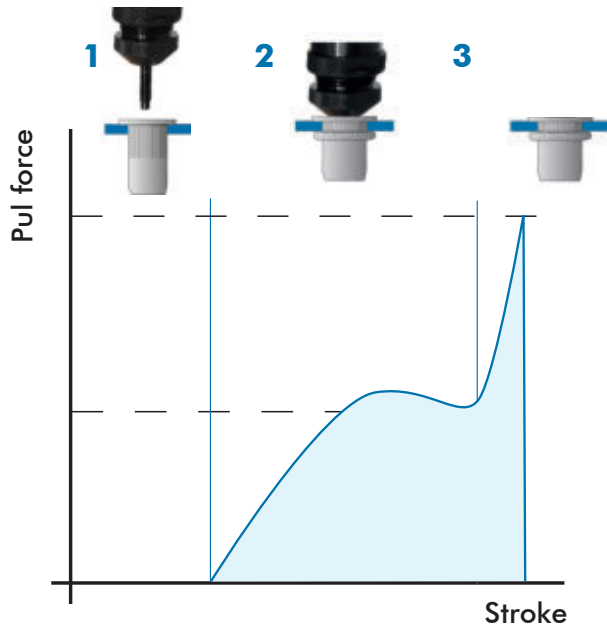
It offers the possibility of inserting a screw in order to get vibration resistance.



CLOSED END

This type of rivet nut is ideal when a sealed end is needed to guarantee a watertight application.

Riveting process



1. Insert the blind rivet nut into the tool and then into the hole.
2. Press the trigger, and the tool will lock the main body, completely filling the hole through radial expansion.
3. The blind rivet nut shrinks after being inserted. Finally, unscrew the nut from the tool.

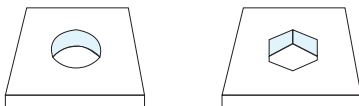
RECOMMENDED STRENGTH (N)

	STEEL (N) MAX.	INOX A2 (N) MAX.	ALUMINIUM (N) MAX.
M3	2400	2700	--
M4	4400	5600	3400
M5	5300	6800	4400
M6	7100	9600	5000
M8	9600	11300	6000
M10	13600	13400	--
M12	19100	--	--

NUT SELECTION PARAMETERS

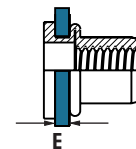
1

HOLE SHAPE



2

THICKNESS TO BE RIVETED



3

SIZE

METRIC	M3	M4	M5	M6	M8	M10	M12
Ø hole	5.10 mm	6.10 mm	7.10 mm	9.10 mm	11.10 mm	13.10 mm	16.10 mm

4

BODY SHAPES:

With different mechanical and functional characteristics depending on the application:



CYLINDRICAL



GROOVED



HEXAGON



HALFHEXAGON



TREBOL



BLIND RIVET
STUDS

5

MATERIAL



Aluminium Mg 3,5
(EN AW 5154)

It is used for all types of applications.



Steel

Applications in resistant materials.
Surface-coated steels are regulated
by ISO 4042.



Inox (304, 316)

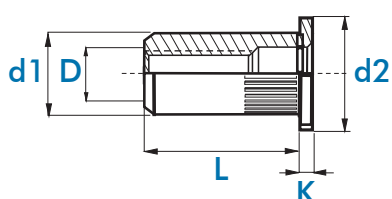
Corrosion resistance.
Applications where adverse weather conditions exist.

6

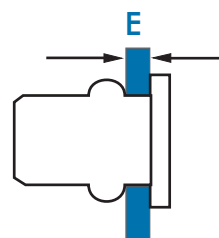
COATINGS

MATERIAL TUERCA	TYPE	TEMPERATURE RESISTANCE	CORROSION CONDITIONS		
Steel	Zinc coated with passivation	Moderate			
	Zinc with special passivation	Good			
	Zinc-Iron plating	Moderate			
	Zinc-Nickel plating	Good			
Aluminium or steel	Delta seal	Moderate			
Aluminium	Aluminium anodisation	Moderate			
Inox	Stainless steel passivation	Good			
		Light	Moderate	Severe	Very severe

▶ LEGEND OF THE TABLE



Ø Drill diameter



D	 E MIN. mm MAX.	L Nominal mm	d1 Ø mm	d2 Ø mm	K mm	 mm	PACKAGING  Inner  Outer	 (N)	 (N)	 (Nm)	REFERENCE
---	--	--------------------	---------------	---------------	---------	---	---	--	--	---	-----------

Grip
range

10

Diameter
of the
main body

Thickness of
the head

Packaging

REFERENCE

Interior thread diameter

Length of the
main body

Diameter of the head

Diameter
hole

Setting effort

It is the tensile force necessary to cause the riveting force to assembly the rivet nut.

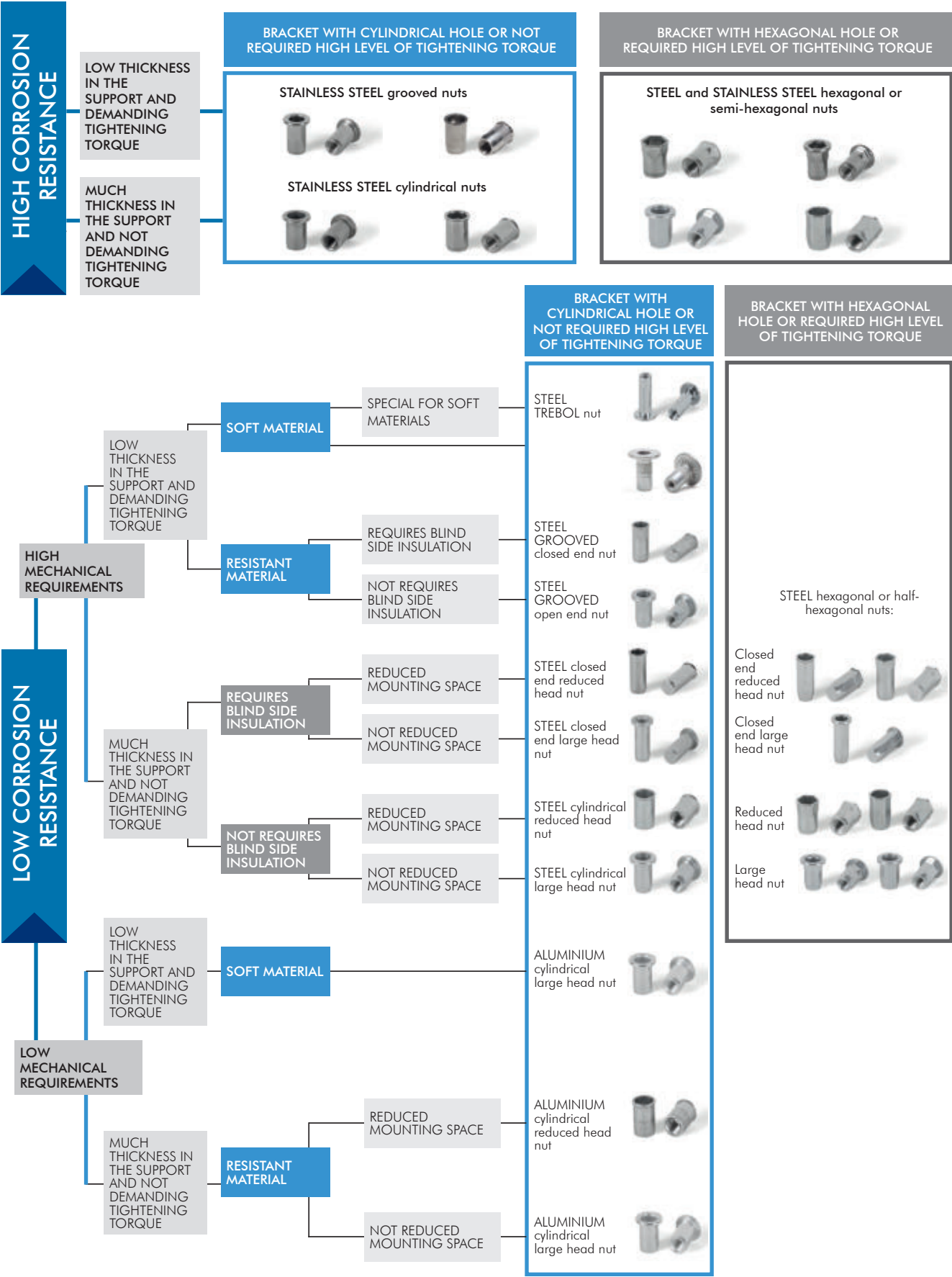
Thread tensile force

Occurs when a riveted joint is subjected to two forces in opposite directions applied to the symmetry axis of the nut.

Tightening torque
max.

The torque is the strength which is used to tighten the screw in order to secure the attachment of parts without causing breakage.

HOW TO CHOOSE THE RIGHT PRODUCT FOR YOUR APPLICATION



WHEN INSULATION OF THE BLIND SIDE OR TIGHTENING IS REQUIRED, CLOSED END NUTS MUST BE MADE UPON REQUEST.
IN BRALO WE HAVE COUNTERSUNK HEAD NUTS THAT OFFER A FLAT SURFACE BECAUSE THEIR DRILL IS ALSO COUNTERSUNK.

SPECIAL NUTS ON REQUEST

We specialize in **custom designs**, and our experience has helped us expand our range to include blind rivet nuts with special heads: oval, square, slotted, extra-wide, flat, cylindrical, or hexagonal.



CAPACITY

- M3 – M14 (internal and external)
- Ø wire: up to 18 mm
- Length up to 140 mm
- Ø head: up to 35 mm
- Stamping machines up to 6 stations.

MATERIALS

- Steel
- Stainless steel
- Aluminium
- Copper
- Nickel-copper alloy

FINISH

- Lacquering (epoxy and acrylic paint)
- Zinc-nickel
- Zinc iron
- Galvanic zinc plating
- Delta seal
- Aluminum anodizing
- Stainless steel passivation
- Sealing treatments



WITH WASHER



PLANE



OVAL



SQUARE



GROOVED



SPECIAL



TREBOL



SUPER LARGE



CYLINDRICAL INTERIOR



HEXAGON INTERIOR

At BRALO, **to ensure the tightness** of fasteners, we have two possible solutions applicable to both rivets, blind rivet nuts, and special parts: custom-made polymeric gaskets or sealant application.



Gasket that ADAPTS to the space of the part



Static TIGHTNESS of fluids or gases



GUARANTEE with watertightness tes

SEALANT TREATMENT

It consists of a hot cured elastic polyurethane based polymer applied under the head of the rivet or nut in question. During riveting, the SEALANT adapts to the geometry, guaranteeing watertightness by means of an effective seal. It is applicable to all types of materials, with the advantage of eliminating the possibility of disassembly or assembly errors.



SEALING GASKETS

The pressure exerted during the riveting process produces the deformation of the joint, achieving a perfect adaptation between the fastener and the part.

We offer the following alternatives depending on the need for sealing in different fluids or gases; which require different levels of resistance to corrosion and temperature.

- EPDM
- NBR
- FKM (viton®)



GROOVED RIVET NUT

It is a fastener that provides a threading point in those applications that have access only from one side. Its grooves grip the material to prevent rotation or twisting of the nut.

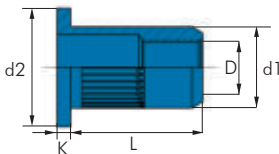


- Highly safe and resistant threading solution in pieces with reduced thickness (0.5 mm)
- Improves the resistance to rotation the nut compared to those with a cylindrical body.
- Improves electrical conductivity.

STEEL

Zincplated 8 μ

GROOVED RIVET NUT Large head - Open end

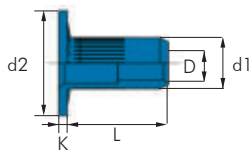


D	 E MIN. mm, MAX. mm	L Nominal mm	d1 Ø mm	d2 Ø mm	K mm	 mm	PACKAGING		 (N)	 (N)	 (Nm)	REFERENCE
							Inner	Outer				
M3	0,25 - 2,00	9,20	4,90	8,00	0,80	5,10	500	4.000	2400	4100	2,2	0371103005
M4	0,50 - 2,00	9,70	5,90	9,00	0,80	6,10	500	4.000	3900	7900	4,5	0371104006
	2,00 - 4,00	12,20					500	4.000				0371114006
M5	0,50 - 3,00	12,00	6,90	10,00	1,00	7,10	500	4.000	5100	11300	7,5	0371105007
	3,00 - 5,50	15,50					500	4.000				0371115007
M6	0,50 - 3,00	14,50	8,95	13,00	1,50	9,10	250	2.000	6500	20600	17,8	0371106009
	3,00 - 5,50	16,50					250	1.500				0371116009
	0,50 - 2,00	13,00					250	2.000				0371136009
M8	0,50 - 3,00	17,00	10,95	16,00	1,50	11,10	250	1.500	8400	29800	34,5	0371108011
	3,00 - 5,50	18,50					200	1.200				0371118011
M10	1,00 - 3,50	19,50	12,95	19,00	2,00	13,10	150	900	11000	43300	60,0	0371101013
	3,50 - 6,00	21,50					100	600				0371111013
	2,40 - 4,00	19,50						1.000				G371121013
M12	1,00 - 4,00	25,00	15,90	23,00	2,00	16,10		500	14700	47700	161,5	G371101216

STEEL

Zincplated

GROOVED RIVET NUT Super large - Open end

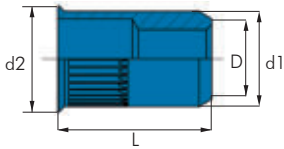


D	 E MIN. mm, MAX. mm	L Nominal mm	d1 Ø mm	d2 Ø mm	K mm	 mm	PACKAGING		 (N)	 (N)	 (Nm)	REFERENCE
							Inner	Outer				
M5	3.0 - 5.0	17,70	9,00	18,50	1,50	9,10		1.000	8700	15300	13,0	G371705009T1
M6	2.4 - 4,5	17,70	8,95	18,30	1,50	9,10		1.000	8600	15000	13,0	G371706009T



GROOVED RIVET NUT
Reduced head - Open end

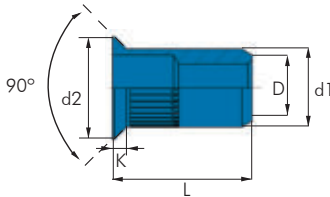
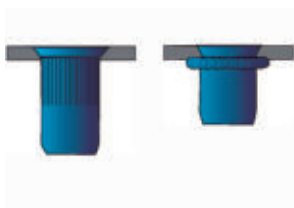
STEEL
Zincplated 8 μ



D	 MIN. mm MAX.	L Nominal mm	d1 Ø mm	d2 Ø mm	K mm	 mm	PACKAGING		 (N)	 (N)	 (Nm)	REFERENCE
							Inner	Outer				
M3	0,5 - 2,0	9,00	4,90	6,00	0,5	5,10	1.000	8.000				0371203005
M4	0,5 - 2,0	10,00	5,95	7,00	0,5	6,10	500	4.000	3900	7900	2,9	0371204006
M5	0,5 - 3,0	11,50	6,90	8,00	0,5	7,10	500	4.000	5300	10700	7,0	0371205007
M6	0,5 - 3,0	14,00	8,90	10,00	0,6	9,10	500	3.000	7100	16500	10,1	0371206009
	3,0 - 5,5	17,00			0,6		500	3.000				0371216009
M8	0,5 - 3,0	16,50	10,90	12,00	0,7	11,10	250	1.500	8400	29800	15,5	0371208011
	3,0 - 5,5	18,50			0,8		250	1.500				0371218011
M10	0,7 - 3,5	21,00	12,95	14,00	0,8	13,10	150	900	11000	43300	60,0	0371201013
	3,0 - 5,5	23,50			0,8			500				G371211013
M12	1,0 - 4,0	24,20	15,95	17,50	1,0	16,10		500	14700	47700	145,0	G371201216

GROOVED RIVET NUT
Countersunk head - Open end

STEEL
Zincplated 8 μ



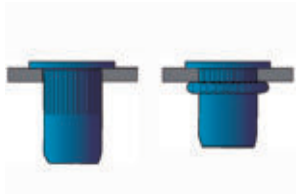
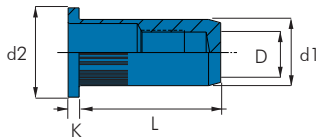
D	 MIN. mm MAX.	L Nominal mm	d1 Ø mm	d2 Ø mm	K mm	 mm	PACKAGING		 (N)	 (N)	 (Nm)	REFERENCE
							Inner	Outer				
M4	1,50 - 3,00	11,00	5,95	8,20	1,40	6,10	500	4.000	3900	7900	3,3	0371304006
M5	1,50 - 4,00	13,00	6,95	9,60	1,60	7,10	500	4.000	5800	9800	6,5	0371305007
M6	1,50 - 4,00	16,00	8,95	11,70	1,60	9,10	250	2.000	7100	19600	20,0	0371306009
M8	1,50 - 4,00	18,50	10,95	13,50	1,60	11,10	250	1.500	8400	29800	22,0	0371308011
	2,00 - 4,50	18,50					250	1.500				0371328011
M10	1,50 - 4,00	22,00	12,95	15,80	1,60	13,10	150	900	11000	43300	60,0	0371301013



STEEL

Zincplated 8 μ

GROOVED RIVET NUT
Large head - Closed end

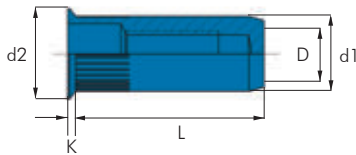


D	 MIN. mmMAX.	L Nominal mm	d1 Ø mm	d2 Ø mm	K mm	 mm	PACKAGING		 (N)	 (N)	 (Nm)	REFERENCE
							Inner	Outer				
M4	0,5 - 2,5	15,00	5,95	9,00	0,80	6,10	500	4.000				0371404006
M5	0,5 - 3,0	18,00	6,95	10,00	1,00	7,10	500	3.000	5300	11300	7,0	0371405007
M6	0,5 - 3,0	21,50	8,90	13,00	1,50	9,10	250	1.500	7500	1900	17,8	0371406009
M8	0,5 - 3,0	24,75	10,95	16,00	1,50	11,10	150	900	8400	27000	24,0	0371408011

STEEL

Zincplated 8 μ

GROOVED RIVET NUT
Reduced head - Closed end

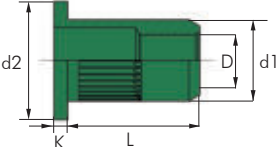


D	 MIN. mmMAX.	L Nominal mm	d1 Ø mm	d2 Ø mm	K mm	 mm	PACKAGING		 (N)	 (N)	 (Nm)	REFERENCE
							Inner	Outer				
M4	0,5 - 2,5	15,00	5,95	7,00	0,50	6,10	500	4.000	3000	7000	2,9	0375204006
M5	0,5 - 3,0	18,00	6,95	8,00	0,50	7,10	500	3.000	5800	9800	6,0	0375205007
M6	0,5 - 3,0	21,50	8,95	10,00	0,50	9,10	250	1.500	7100	19000	10,5	0375206009
M8	0,5 - 3,0	22,50	10,95	12,00	0,50	11,10	250	1.500	8400	30000	15,5	0375208011



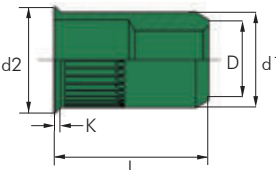
GROOVED RIVET NUT
Large head - Open end

INOX A2
AISI 304

												
D	 E MIN. mm MAX.	L Nominal mm	d1 Ø mm	d2 Ø mm	K mm	 mm	PACKAGING  Inner  Outer		 (N)	 (N)	 (Nm)	REFERENCE
M4	0,5 - 2,0	9,50	5,95	9,00	1,00	6,10	500	4.000	5600	9100	6,4	0373104006
	0,5 - 3,0	12,00	6,95	10,00	1,00	7,10	500	4.000	6800	15800	8,4	0373105007
M5	3,0 - 4,5	13,50					500	4.000				0373115007
	0,5 - 3,0	14,50	8,95	13,00	1,50	9,10	250	2.000	9000	23800	26,7	0373106009
M6	0,5 - 3,0	16,50	10,95	16,00	1,50	11,10	250	1.500	10600	40600	62,5	0373108011
	3,0 - 5,5	18,50					200	1.200				0373118011
M8	1,0 - 3,5	19,00	12,95	17,00	2,00	13,10	150	900	11300	>49000	111,7	0373101013
	3,5 - 6,0	21,50					100	600				0373111013

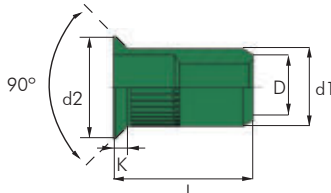
GROOVED RIVET NUT
Reduced head - Open end

INOX A2
AISI 304

												
D		L Nominal mm	d1 Ø mm	d2 Ø mm	K mm		PACKAGING					REFERENCE
							Inner	Outer	(N)	(N)	(Nm)	
M3	0,5 - 2,0	9,00	4,95	6,00	0,50	5,10	500	4.000	2700	3100	2,3	0373203005
M4	0,5 - 2,0	10,40	5,95	7,00	0,50	6,10	500	4.000	4800	10300	5,5	0373204006
M5	0,5 - 3,0	11,50	6,95	8,00	0,60	7,10	500	4.000	7300	14300	8,6	0373205007
M6	0,5 - 3,0	14,50	8,95	10,00	0,70	9,10	500	3.000	9600	23700	14,7	0373206009
M8	0,5 - 3,0	16,50	10,95	12,00	0,70	11,10	250	1.500	11300	38600	20,0	0373208011
M10	1,0 - 3,5	19,00	12,95	14,30	0,70	13,10	150	900	13400	>49000	27,5	0373201013

GROOVED RIVET NUT
Countersunk head - Open end

INOX A2
AISI 304


D		L Nominal mm	d1 Ø mm	d2 Ø mm	K mm		PACKAGING					REFERENCE
							Inner	Outer	(N)	(N)	(Nm)	
M4	1,5 - 3,0	11,00	5,95	9,00	1,50	6,10	500	4.000	4900	9100	6,4	0373304006
M5	1,5 - 4,0	13,00	6,95	9,60	1,50	7,10	500	4.000	6800	12800	8,4	0373305007
M6	1,5 - 4,0	16,00	8,95	11,70	1,60	9,10	250	2.000	9000	21600	26,7	0373306009
M8	1,5 - 4,0	18,50	10,95	13,50	1,60	11,10	250	1.500	12300	36300	34,5	0373308011

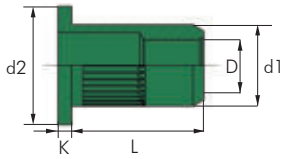
INOX

INOX A4

AISI 316

GROOVED RIVET NUT

Large head - Open end

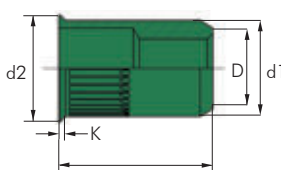
  												
D		L Nominal mm	d1 Ø mm	d2 Ø mm	K mm		PACKAGING					REFERENCE
M4	0,5 - 2,5	11,00	5,95	9,00	1,00	6,10	500	4.000	5600	9100	6,4	0373104006A4
M5	0,5 - 3,0	12,00	6,95	10,00	1,00	7,10	500	4.000	6800	15800	8,4	0373105007A4
M6	0,5 - 3,0	14,00	8,95	13,00	1,50	9,10	250	2.000	9000	23800	26,7	0373106009A4
M8	0,5 - 3,0	16,00	10,95	16,00	1,50	11,10	250	1.500	10600	40600	62,5	0373108011A4
M10	1,0 - 3,5	19,00	12,95	17,00	2,00	13,10	150	900	11300	>49000	111,7	0373101013A4

INOX A4

AISI 316

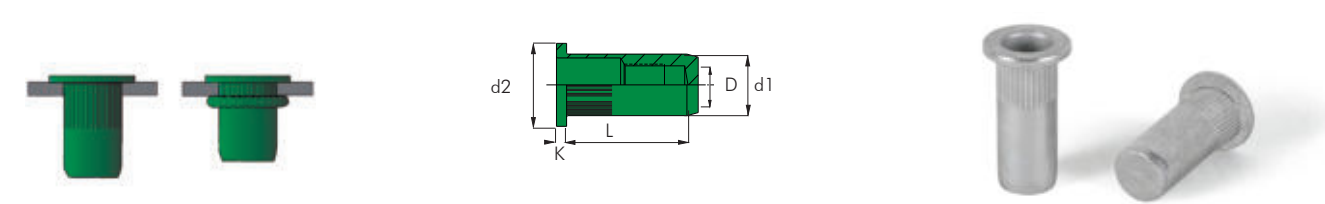
GROOVED RIVET NUT

Reduced head - Open end

  												
D		L Nominal mm	d1 Ø mm	d2 Ø mm	K mm		PACKAGING					REFERENCE
M3	0,5 - 2,0	9,00	4,95	6,00	0,50	5,10	500	4.000	1700	2900	1,5	0373203005A4
M4	0,5 - 2,0	10,40	5,95	7,00	0,50	6,10	500	4.000	4800	10300	5,5	0373204006A4
M5	0,5 - 3,0	11,50	6,95	8,00	0,60	7,10	500	4.000	7300	14300	8,6	0373205007A4
M6	0,5 - 3,0	14,50	8,95	10,00	0,70	9,10	500	3.000	9600	23700	14,7	0373206009A4
M8	0,5 - 3,0	16,50	10,95	12,00	0,70	11,10	250	1.500	11300	38600	20,0	0373208011A4
M10	1,0 - 3,5	19,00	12,95	14,30	0,70	13,10	150	900	13400	>49000	27,5	0373201013A4

GROOVED RIVET NUT
Large head - Closed end

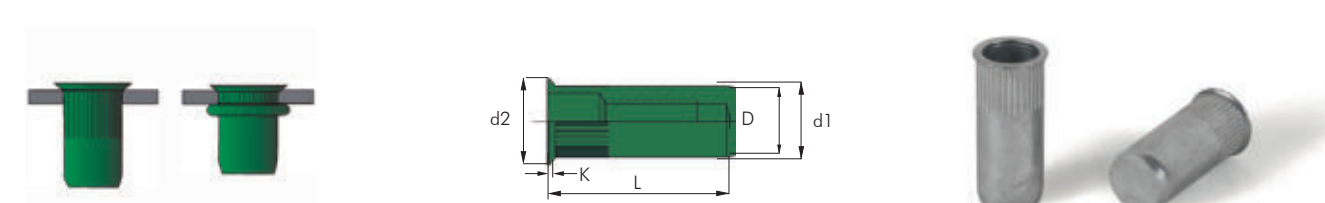
INOX A2
AISI 304



D	 E MIN. mm MAX.	L Nominal mm	d1 Ø mm	d2 Ø mm	K mm	 mm	PACKAGING		 (N)	 (N)	 (Nm)	REFERENCE
							Inner	Outer				
M4	0,5 - 2,5	16,00	5,95	9,00	1,00	6,10	500	4.000	4900	10000	2,2	0373404006
M5	0,5 - 3,0	18,00	6,95	10,00	1,00	7,10	500	3.000	6000	15800	3,0	0373405007
M6	0,5 - 3,0	21,00	8,95	12,00	1,50	9,10	250	1.500	9000	21600	8,6	0373406009
M8	0,5 - 3,0	23,90	10,95	14,00	1,50	11,10	150	900	12350	36300	19,3	0373408011

GROOVED RIVET NUT
Reduced head - Closed end

INOX A2
AISI 304



D	 E MIN. mm MAX.	L Nominal mm	d1 Ø mm	d2 Ø mm	K mm	 mm	PACKAGING		 (N)	 (N)	 (Nm)	REFERENCE
							Inner	Outer				
M4	0,5 - 2,5	15,00	5,95	7,00	0,70	6,10	500	4.000	6500	9700	3,3	0373704006
M5	0,5 - 3,0	18,00	6,95	8,00	0,70	7,10	500	3.000	6800	13000	8,4	0373705007
M6	0,5 - 3,0	21,50	8,95	10,00	0,70	9,10	250	1.500	11000	21600	10,0	0373706009
M8	0,5 - 3,0	22,50	10,95	12,00	0,70	11,10	250	1.500	11300	32500	20,0	0373708011

CYLINDRICAL RIVET NUT

The BRALO Cylindrical body rivet nut is the most universal and appropriate where a threading point is required in those applications that have access only from one side.



STEEL

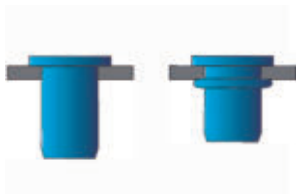
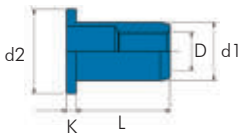
- Available in metric and imperial sizes.
- Highly secure and durable threading solution for thin parts (0.5 mm).
- Quick assembly with one-side accessibility.

STEEL

Zincplated 8 μ

CYLINDRICAL RIVET NUT

Large head - Open end



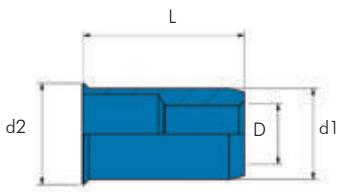
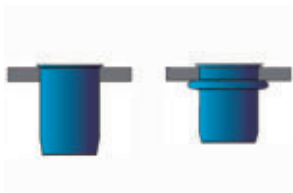
D	 MIN. mmMAX.	L Nominal mm	d1 Ø mm	d2 Ø mm	K mm	 mm	PACKAGING		 (N)	 (N)	 (Nm)	REFERENCE
M4	0,5 - 2,0	9,70	5,90	8,50	0,80	6,10	500	4.000	4400	8900	4,0	0301104006
	2,0 - 4,0	11,20					500	4.000				0301114006 *
M5	0,5 - 3,0	12,00	6,90	10,00	1,00	7,10	500	4.000	5300	9800	4,8	0301105007
	3,0 - 5,5	16,00					500	4.000				0301115007
	5,5 - 8,0	18,00					500	3.000				0301185007
M6	0,5 - 3,0	14,50	8,90	13,00	1,50	9,10	250	2.000	6500	19100	12,0	0301106009
	3,0 - 5,5	16,50					250	1.500				0301116009
	5,5 - 8,0	21,50					250	1.500				0301186009
M8	0,5 - 3,0	16,50	10,95	16,00	1,50	11,10	250	1.500	8350	29800	23,0	0301108011
	3,0 - 5,5	18,50					200	1.200				0301118011
	5,5 - 8,0	22,50					150	900				0301188011
	8,0 - 10,5	25,50					150	900				03011108011
M10	1,0 - 3,5	17,50	11,95	16,00	1,60	12,10	150	900	12000	34000	30,0	0301101012
M10	1,0 - 3,5	19,50	12,95	19,00	2,00	13,00	150	900	13600	39200	105,6	0301101013 *
	3,5 - 6,0	21,50						500				G301111013 *
	5,5 - 8,0	27,00						500				G301181013 *
M12	1,0 - 4,0	25,00	15,95	23,00	2,00	16,10		500	18000	57800	54,0	G301101216 *

* In these metrics we have rivet nuts without grooves in the lower part of the head.



CYLINDRICAL RIVET NUT
Reduced head - Open end

STEEL
Zincplated 8 µ



D		L Nominal mm	d1 Ø mm	d2 Ø mm		PACKAGING					REFERENCE
						Inner	Outer				
M4	0,5 - 2,0	10,00	5,95	7,00	6,10	500	4.000	3400	7200	1,5	0301204005
M5	0,5 - 3,0	11,50	6,90	8,20	7,10	500	4.000	5300	9800	5,7	0301205006
M6	0,5 - 2,5	14,00	8,90	10,50	9,10	500	3.000	6500	19100	6,5	0301206008
M8	0,5 - 3,0	16,00	10,95	11,60	11,10	250	1.500	8350	29800	8,6	0301208010

For drills in mm.

D		L Nominal mm	d1 Ø mm	d2 Ø mm		PACKAGING					REFERENCE
						Inner	Outer				
M3	0,5 - 2,0	8,70	4,70	5,30	4,80	1.000	8.000	1700	4400	1,2	0301203005
M4	0,5 - 2,0	10,50	6,25	7,10	6,40	500	4.000	3400	7200	1,5	0301204006
M5	0,5 - 2,5	12,00	7,05	7,85	7,20	500	4.000	5300	9800	5,7	0301205007
M6	0,5 - 3,0	14,00	9,45	10,40	9,60	500	3.000	6500	19100	6,5	0301206009
M8	0,5 - 3,0	16,00	10,50	11,60	10,60	250	1.500	8350	29800	8,6	0301208011*
M10	0,7 - 3,0	19,00	12,70	13,90	12,80	150	900				0301201013

For drills in inches.

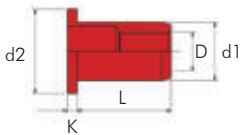
* These nuts will be supplied with the grooved body.



STEEL

ALUMINIUM

CYLINDRICAL RIVET NUT
Large head - Open end

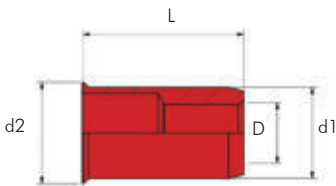


D		L Nominal mm	d1 Ø mm	d2 Ø mm	K mm		PACKAGING					REFERENCE
							Inner	Outer				
M4	0,5 - 2,0	9,50	5,95	9,00	1,00	6,10	500	4.000	3400	4300	2,0	0302104006
M5	0,5 - 3,0	12,00	6,95	10,00	1,00	7,10	500	4.000	4400	8300	5,5	0302105007
	3,0 - 5,5	15,00					500	4.000				0302115007
M6	0,5 - 3,0	14,50	8,95	13,00	1,50	9,10	250	2.000	6250	10500	9,0	0302106009
	3,0 - 5,5	16,50					250	1.500				0302116009
M8	0,5 - 3,0	16,50	10,95	16,00	1,50	11,10	250	1.500	4600	15400	14,0	0302108011
	3,0 - 5,5	18,50					200	1.200				0302118011

Note: Large-head aluminum nuts with closed ends are available upon request. Consult prices and minimum quantities.

ALUMINIUM

CYLINDRICAL RIVET NUT
Reduced head - Open end

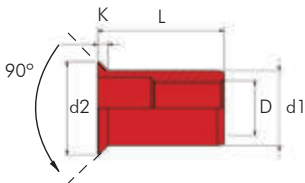


D		L Nominal mm	d1 Ø mm	d2 Ø mm	K mm		PACKAGING					REFERENCE
							Inner	Outer				
M4	0,5 - 2,5	11,00	5,95	7,00	0,50	6,10	500	4.000	3600	6200	1,6	0302204006
M5	0,5 - 3,0	12,00	6,95	8,00	0,50	7,10	500	4.000	4400	8300	5,5	0302205007
M6	0,5 - 3,0	14,50	8,95	10,00	0,50	10,00	500	3.000	5000	10500	6,3	0302206009
M8	0,5 - 3,0	16,00	10,95	12,00	0,50	11,10	250	1.500	6000	15400	13,8	0302208011

ALUMINIUM

ALUMINIUM

CYLINDRICAL RIVET NUT
Countersunk head - Open end



D		L Nominal mm	d1 Ø mm	d2 Ø mm	K mm		PACKAGING					REFERENCE
							Inner	Outer				
M4	1,5 - 3,5	11,50	5,95	8,70	1,50	5,10	500	4.000	3400	4300	2,0	0302304006
M5	1,5 - 4,0	13,50	6,95	9,50	1,60	7,10	500	4.000	4400	8300	5,5	0302305007
M6	1,5 - 4,0	16,00	8,95	11,50	1,60	9,10	250	2.000	5000	10500	6,3	0302306009
M8	1,5 - 4,0	18,50	10,95	13,50	1,60	11,10	250	1.500	6000	15400	16,9	0302308011



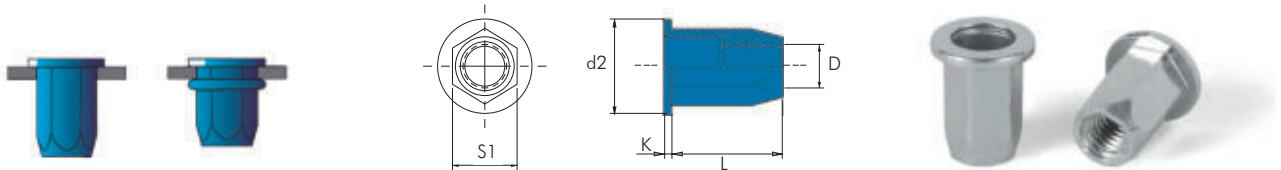
HEXAGON RIVET NUT

It is a mechanical fastener that provides a threading point in applications that only have access from one side. The hexagon shape provides exceptional resistance to rotation.

- Offers exceptional mechanical resistance.
- Exceptional resistance to rotation.
- Highly safe and resistant threading solution in pieces with reduced thickness (0.5 mm).

HEXAGON RIVET NUT Large head - Open end

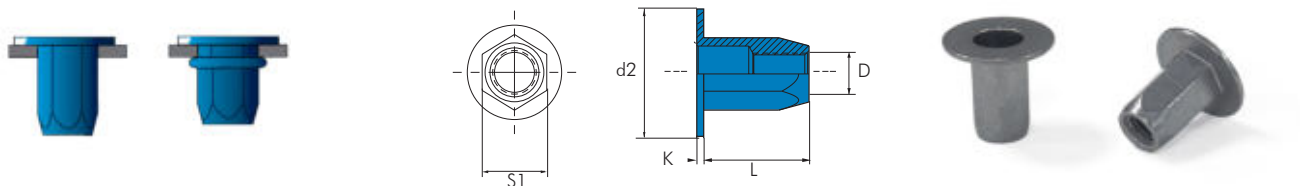
STEEL
Zincplated 8 μ



D	 MIN. mm MAX.	L Nominal mm	S1 Ø mm	d2 Ø mm	K mm	 mm	PACKAGING		 (N)	 (N)	 (Nm)	REFERENCE
							Inner	Outer				
M4	0,5 - 2,0	10,20	5,90	9,00	0,80	6,10	500	4.000	3400	7900	4,8	0311104006
M5	0,5 - 3,0	13,00	6,90	10,00	1,00	7,10	500	4.000	4900	11500	10,5	0311105007
M6	0,5 - 3,0	14,50	8,95	13,00	1,50	9,10	250	2.000	7100	19100	22,0	0311106009
M8	0,5 - 3,0	16,50	10,95	16,00	1,50	11,10	250	1.500	9600	30000	40,0	0311108011
	3,0 - 5,5	19,50					200	1.200				0311118011
M10	1,0 - 3,5	19,50	12,95	19,00	2,00	13,10	150	900	12600	43000	88,0	0311101013
	3,5 - 6,5	23,50						500				G311111013
M12	1,0 - 4,0	25,00	15,90	23,00	2,00	16,10		500	19100	57800	115,0	0311101216

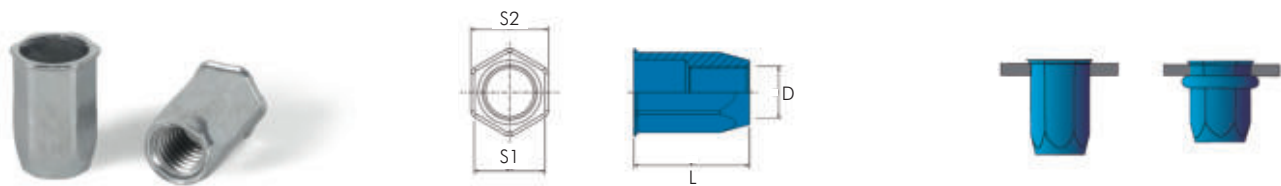
HEXAGON RIVET NUT Super large head - Open end

STEEL
Zincplated



D	 MIN. mm MAX.	L Nominal mm	S1 Ø mm	d2 Ø mm	K mm	 mm	PACKAGING		 (N)	 (N)	 (Nm)	REFERENCE
							Inner	Outer				
M6	0,5 - 3,5	15,30	8,95	16,00	1,50	9,10		1.000	7000	15000	22,0	G311806016T
M6	0,5 - 3,0	14,20	8,95	18,00	1,50	9,10		1.000	7100	19100	22,0	G311806022T
M6	0,5 - 3,0	14,50	8,95	16,00	2,50	9,10		1.000	7100	19100	22,0	G311806025T

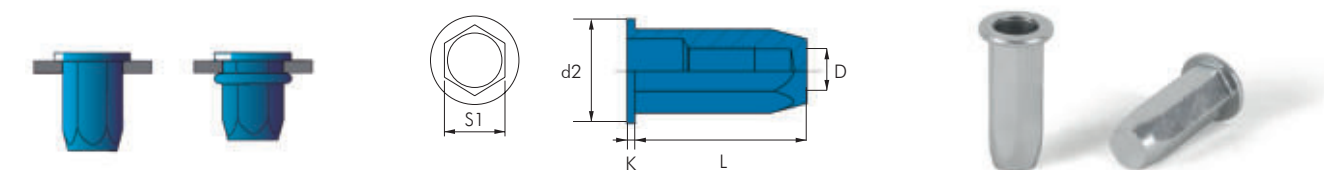




D	 E MIN. mm MAX.	L Nominal mm	S1 Ø mm	S2 Ø mm	 mm	PACKAGING		 (N)	 (N)	 (Nm)	REFERENCE
						Inner	Outer				
M4	0,5 - 2,0	11,00	5,90	7,20	6,10	500	4.000	3400	7900	4,1	0311204006
M5	0,5 - 3,0	14,50	6,90	8,00	7,10	500	4.000	4900	9800	6,5	0311205007
	3,0 - 5,5	16,00									0311215007
M6	0,5 - 3,0	16,00	8,90	10,00	9,10	500	3.000	7500	19100	12,0	0311206009
	3,0 - 5,5	18,00				500	3.000				0311216009
M8	0,5 - 3,0	18,00	10,90	12,00	11,10	250	1.500	8000	27600	36,3	0311208011
	3,0 - 5,5	20,50					1.000				G311218011
M10	0,5 - 3,5	22,00	12,95	14,00	13,10	150	900	10500	42500	70,0	0311201013
	3,5 - 6,0	24,00					500				G311211013
M12	1,0 - 4,0	25,00	15,95	17,50	16,10	100	600	21500	>57800	93,0	0311201216
	4,0 - 8,0	28,00					300				G311281216

HEXAGON RIVET NUT
Large head - Closed end

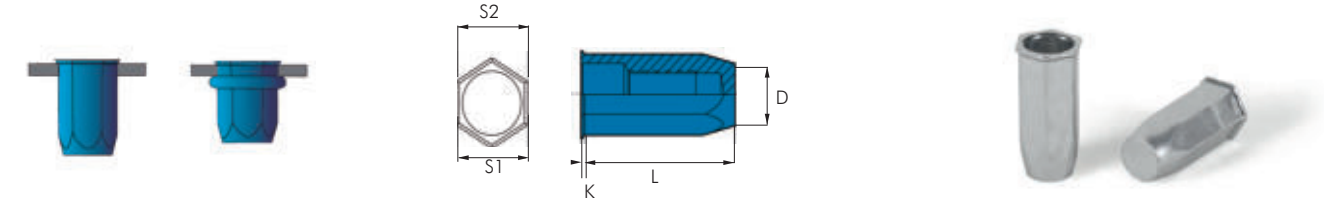
STEEL
Zincplated 8 μ



D	 E MIN. mm MAX.	L Nominal mm	S1 Ø mm	d2 Ø mm	K mm	 mm	PACKAGING		 (N)	 (N)	 (Nm)	REFERENCE
												
M4	0,5 - 2,5	15,00	5,95	9,00	0,80	6,10	500	4.000	3400	7900	4,8	0311404006
M5	0,5 - 3,0	19,00	6,95	10,00	1,00	7,10	500	3.000	4900	9300	6,8	0311405007
M6	0,5 - 3,0	21,50	8,95	13,00	1,50	9,10	250	1.500	6300	19100	17,0	0311406009
M8	0,5 - 3,0	24,50	10,95	16,00	1,50	11,10	150	900	9600	29800	40,0	0311408011
M10	1,0 - 3,5	31,00	12,95	19,00	2,00	13,10		500	12600	43000	70,0	G311401013

HEXAGON RIVET NUT
Reduced head - Closed end

STEEL
Zincplated 8 μ



D	 E MIN. mm MAX.	L Nominal mm	S1 Ø mm	S2 Ø mm	K mm	 mm	PACKAGING		 (N)	 (N)	 (Nm)	REFERENCE
												
M4	0,5 - 2,0	16,00	5,95	7,00	0,50	6,10	500					0311704006
M5	0,5 - 2,0	20,00	6,95	8,00	0,50	7,10	500	3.000	4900	9800	8,0	0311705007
M6	0,5 - 3,0	22,00	8,95	10,00	0,50	9,10	250	1.500	7100	19100	12,0	0311706009
M8	0,5 - 3,5	25,50	10,95	12,00	0,50	11,10	150	900				0311708011



HALF-HEXAGON RIVET NUT

The Half-hexagon rivet nut is a fastening element with a cylindrical-hexagonal body that offers great resistance to rotation and extraction.

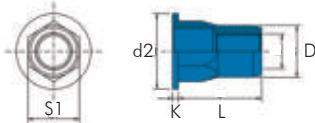


- Doubles the resistance to rotation compared to nuts with a cylindrical body.
- Offers exceptional mechanical resistance.
- Easy insertion due to the conical end of the body and the hexagonal shape.
- Highly safe and resistant threading solution in pieces of reduced thickness.

STEEL

Zincplated 8 µ

CYLINDRICAL HEXAGON RIVET NUT Large head - Open end

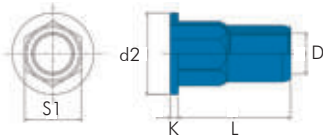


D		L Nominal mm	S1 Ø mm	d2 Ø mm	K mm		PACKAGING					REFERENCE
							Inner	Outer				
M4	0,5 - 2,5	9,00	5,95	9,00	0,90	6,10	500	4.000	3400	7900	4,8	0334104006
M5	0,5 - 3,0	12,50	6,95	10,00	1,00	7,10	500	4.000	7000	9800	6,5	0334105007
M6	0,5 - 3,0	14,50	8,95	13,00	1,50	9,10	250	2.000	6000	16500	25,0	0334106009
M10	0,8 - 3,0	20,00	12,95	19,00	2,00	13,10	150	900	13400	36000	60,0	0334101013
M12	1,0 - 4,0	25,50	15,95	23,00	2,20	16,10		500	19100	44000	126,0	G334101216

STEEL

Zincplated 8 µ

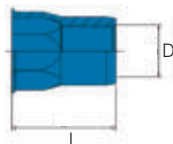
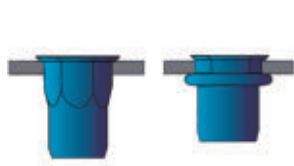
HALF-HEXAGON RIVET NUT Large head - Open end



D		L Nominal mm	S1 Ø mm	d2 Ø mm	K mm		PACKAGING					REFERENCE
							Inner	Outer				
M6	0,5 - 3,0	14,50	8,95	13,00	1,50	9,10	250	2.000	7100	19100	22,0	0331106009
M8	0,5 - 3,0	16,50	10,95	16,00	1,50	11,10	250	1.500	7500	29800	40,0	0331108011
M12	1,0 - 4,0	25,00	15,95	23,00	2,00	16,10		500	17200	44000	115,0	0331101216

HALF-HEXAGON RIVET NUT Reduced head - Open end

STEEL
Zincplated 8 µ



D	 E MIN. mm MAX.	L Nominal mm	S1 Ø mm	S2 Ø mm	 mm	PACKAGING		 (N)	 (N)	 (Nm)	REFERENCE
M4	0,5 - 2,5	10,50	5,95	6,80	6,10	500	4.000	2600	7500	5,0	0331204005
M5	0,5 - 3,0	11,70	6,95	8,00	7,10	500	4.000	4100	10000	6,2	0331205006
M6	0,5 - 3,0	14,50	8,95	10,00	9,10	500	3.000	5800	19600	15,5	0331206008
M8	0,5 - 3,5	16,50	10,95	12,00	11,10	250	1.500	7200	20000	39,0	0331208010

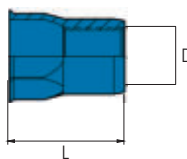
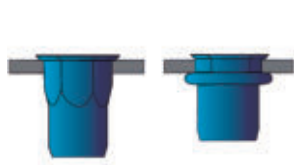
For drills in mm.

D	 E MIN. mm MAX.	L Nominal mm	S1 Ø mm	S2 Ø mm	 mm	PACKAGING		 (N)	 (N)	 (Nm)	REFERENCE
M4	0,5 - 2,5	10,50	6,35	7,00	6,40	500	4.000	2900	7900	4,6	0331204006
M5	0,5 - 3,0	12,00	7,10	7,80	7,20	500	4.000	4100	10000	6,2	0331205007
M6	0,5 - 3,0	14,50	9,50	10,60	9,60	500	3.000	4700	15000	15,0	0331206009
M8	0,5 - 3,5	16,50	10,50	11,50	10,60	250	1.500	7200	20000	39,0	0331208011

For drills in inches.

CYLINDRICAL HEXAGON RIVET NUT Reduced head - Open end

STEEL
Zincplated 8 µ



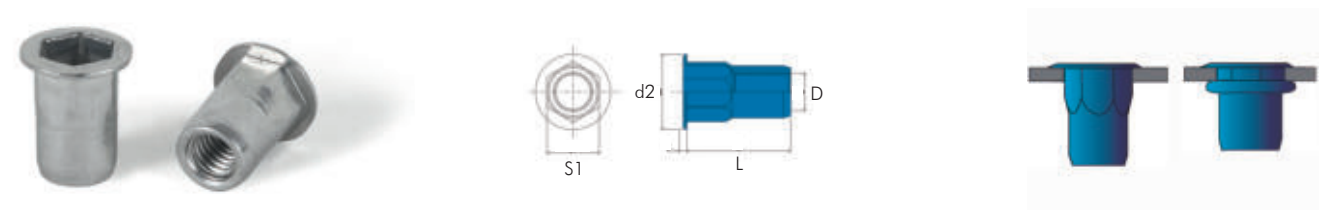
D	 E MIN. mm MAX.	L Nominal mm	S1 Ø mm	S2 Ø mm	 mm	PACKAGING		 (N)	 (N)	 (Nm)	REFERENCE
M6	0,5 - 3,0	15,00	8,95	10,00	9,10	500	3.000	7100	18700	20,0	0334206009
	3,0 - 5,5	17,50				500	3.000				0334216009
M8	3,0 - 5,5	20,00	10,95	12,00	11,10	250	1.500	8800	28000	32,0	0334218011
M10	1,0 - 3,5	20,00	12,95	14,00	13,10	150	900	13200	33400	52,0	0334201013
	3,5 - 6,0	24,00				150	900				0334211013



STEEL

Zincplated 8 µ

HALF-HEXAGON RIVET NUT
Plane head - Open end

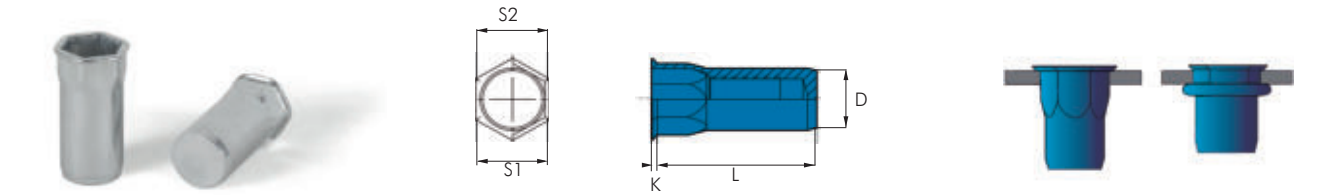


D	 MIN. mm MAX.	L Nominal mm	S1 Ø mm	d2 Ø mm	 mm	PACKAGING		 (N)	 (N)	 (Nm)	REFERENCE
											
M4	0,5 - 2,0	10,50	6,30	9,50	6,10	500	4.000	2800	7900	4,8	0331504006
M5	0,5 - 3,3	11,80	7,10	9,90	7,20	500	4.000	5300	9800	9,4	0331505007
M6	0,7 - 4,2	14,90	9,50	13,00	9,60	500	3.000	7100	19000	22,0	0331506009
M8	0,7 - 3,8	17,40	12,70	16,65	12,70	250	1.500		29800	21,0	0331508012
M10	0,7 - 3,8	17,40	12,65	16,65	12,70						0331501013
M12	1,6 - 5,1	29,20	17,50	21,90	17,50						0331501216

STEEL

Zincplated 8 µ

HALF-HEXAGON RIVET NUT
Reduced head - Closed end

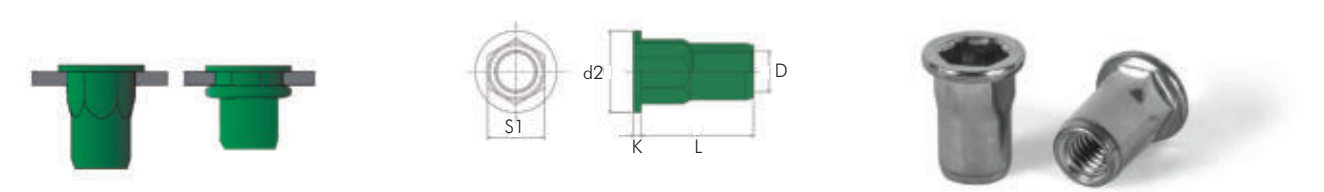


D	 MIN. mm MAX.	L Nominal mm	d1 Ø mm	S2 Ø mm	K mm	 mm	PACKAGING		 (N)	 (N)	 (Nm)	REFERENCE
												
M4	0,5 - 2,0	16,30	5,95	7,00	0,50	6,10	500	4.000	2800	7900	4,6	0331704006
M5	0,5 - 3,0	18,30	6,95	8,00	0,50	7,10	500	4.000	4300	9800	6,2	0331705007
M6	0,5 - 3,0	21,30	8,95	10,00	0,60	9,10	250	1.500	7100	19100	12,0	0331706009
M8	0,5 - 3,5	23,80	10,95	12,00	0,60	11,10	250	1.500	6900	28200	30,0	0331708011



HALF-HEXAGON RIVET NUT Large head - Open end

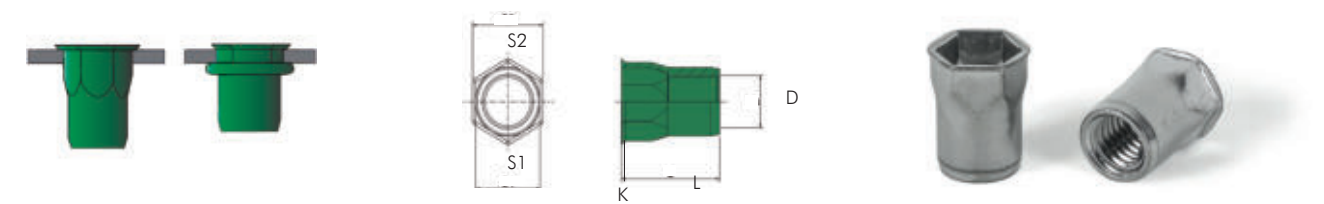
INOX A2
AISI 304



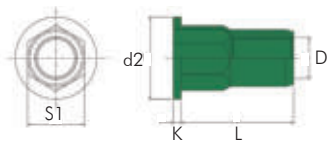
D	 E MIN. mm MAX.	L Nominal mm	S1 Ø mm	d2 Ø mm	K mm	 mm	PACKAGING		 (N)	 (N)	 (Nm)	REFERENCE
M4	0,5 - 2,5	11,00	5,95	9,00	1,00	6,10	500	4.000				0333104006
M5	0,5 - 3,0	12,00	6,95	10,00	1,00	7,10	500	4.000	3300	13200	9,1	0333105007
M6	0,5 - 3,0	14,00	8,95	12,00	1,50	9,10	250	2.000	7700	21600	19,7	0333106009
M8	0,5 - 3,0	16,00	10,95	15,00	1,50	11,10	250	1.500	11200	36300	26,5	0333108011
M10	1,5 - 3,5	19,00	13,00	16,00	2,00	13,10						0333101013

HALF-HEXAGON RIVET NUT Reduced head - Open end

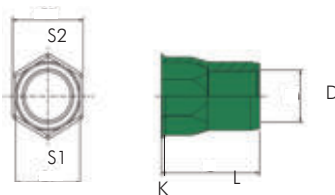
INOX A2
AISI 304



D	 E MIN. mm MAX.	L Nominal mm	S1 Ø mm	S2 Ø mm	K mm	 mm	PACKAGING		 (N)	 (N)	 (Nm)	REFERENCE
M4	0,5 - 2,0	11,00	5,95	7,00	0,50	6,10	500	4.000	2900	7900	4,6	0333204006
M5	0,5 - 3,0	12,00	6,95	8,00	0,50	7,10	500	4.000	5000	15800	8,8	0333205007
M6	0,5 - 3,0	14,00	8,95	10,00	0,60	9,10	500	3.000	7700	21600	15,5	0333206009
	3,0 - 5,5	18,00					500	3.000	7700	21600	15,5	0333216009
M8	0,5 - 3,0	16,00	10,95	12,00	0,60	11,10	250	1.500	11200	32500	24,5	0333208011
	3,5 - 6,0	20,20					250	1.500	11200	36300	24,5	0333218011
M10	1,0 - 3,5	19,00	12,95	14,20	0,85	13,10	150	900	11400	47800	91,6	0333201013



D	 E MIN. mm MAX.	L Nominal mm	S1 Ø mm	d2 Ø mm	K mm	 mm	PACKAGING		 (N)	 (N)	 (Nm)	REFERENCE
												
M4	0,5 - 2,5	11,00	5,95	9,00	1,00	6,10	500	4.000	6500	9500	8,0	0333104006A4
M5	0,5 - 3,0	12,00	6,95	10,00	1,00	7,10	500	4.000	3300	13200	9,1	0333105007A4
M6	0,5 - 3,0	14,00	8,95	12,00	1,50	9,10	250	2.000	7700	21600	19,7	0333106009A4
M8	0,5 - 3,0	16,00	10,95	15,00	1,50	11,10	250	1.500	11200	36300	26,5	0333108011A4



D	 E MIN. mm MAX.	L Nominal mm	S1 Ø mm	S2 Ø mm	K mm	 mm	PACKAGING		 (N)	 (N)	 (Nm)	REFERENCE
												
M4	0,5 - 2,5	11,00	5,95	7,00	0,50	6,10	500	4.000	2900	7900	4,6	0333204006A4
M5	0,5 - 3,0	12,00	6,95	8,00	0,50	7,10	500	4.000	5000	15800	8,8	0333205007A4
M6	0,5 - 3,0	14,00	8,95	10,00	0,60	9,10	500	3.000	7700	21600	15,5	0333206009A4
M8	0,5 - 3,0	16,00	10,95	12,00	0,60	11,10	250	1.500	11200	36300	24,5	0333208011A4
M10	1,0 - 3,5	19,00	12,50	14,20	0,85	13,10	150	900	11400	47800	91,6	0333201013A4

HALF-HEXAGON RIVET NUT Large head - Closed end

INOX A2
AISI 304

D	 MIN. mmMAX.	L Nominal mm	S1 Ø mm	d2 Ø mm	K mm	 mm	PACKAGING		 (N)	 (N)	 (Nm)	REFERENCE
M4	0,5 - 3.0	16,00	5,95	9,00	1,00	6,10	500	4.000				0333404006
M5	0,5 - 3.0	18,00	6,95	10,00	1,00	7,10	500	4.000	7200	15800	9,1	0333405007
M6	0,5 - 3.0	21,00	8,95	12,00	1,50	9,10	250	1.500	9000	21600	19,7	0333406009
M8	0,5 - 3.0	23,50	10,95	14,00	1,50	11,10	200	1.200	11200	36300	26,5	0333408011

HALF-HEXAGON RIVET NUT Reduced head - Closed end

INOX A2
AISI 304

D	 MIN. mmMAX.	L Nominal mm	S1 Ø mm	S2 Ø mm	K mm	 mm	PACKAGING		 (N)	 (N)	 (Nm)	REFERENCE
M4	0,5 - 3.0	16,00	5,95	7,00	0,50	6,10	500	4.000	5600	10000	4,9	0333704006
M5	0,5 - 3.0	18,00	6,95	8,00	0,50	7,10	500	4.000	7200	12000	8,8	0333705007
M6	0,5 - 3.0	21,00	8,95	10,00	0,50	9,10	250	1.500	9000	21600	15,5	0333706009
M8	0,5 - 3.0	23,50	10,95	12,00	0,50	11,10	200	1.200	11200	36300	26,5	0333708011

TREBOL

RIVET NUT

The Trebol rivet nut is specially designed for plastics and soft materials, where its 4-petal riveting offers wide expansion on the blind side. In this way, the risk of crushing is reduced by distributing the load.



- This is a safe and reliable fixation, with maximum tensile strength.
- Intended for different thicknesses or with multiple layers thanks to its multi-thickness behavior.
- Minimum radial tension during the placement process to avoid the risk of breakage of fragile or soft materials.
- Good tolerance to drill variations.

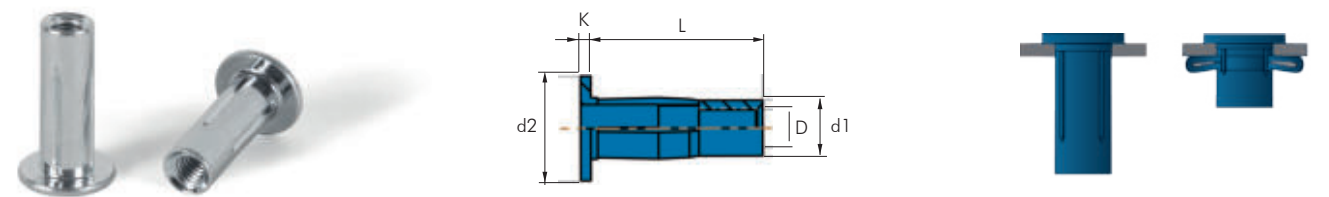
STEEL

STEEL

Zincplated 8 μ

TREBOL RIVET NUT

Large head - Open end



D	 E MIN. mm MAX.	L Nominal mm	d1 Ø mm	d2 Ø mm	K mm	 mm	PACKAGING		REFERENCE
							 Inner	 Outer	
M5	0,5 - 4,5	21,00	7,30	13,00	1,00	7,50	2.000		G301605006
M6	0,5 - 7,1	25,50	8,50	16,00	1,50	8,80	1.000		G301606008
M8	0,5 - 7,1	29,00	11,00	19,00	1,50	11,20	500		G301608010
M10	0,5 - 7,1	31,00	13,00	22,00	1,50	13,20	500		G301601013



BLIND RIVET STUDS

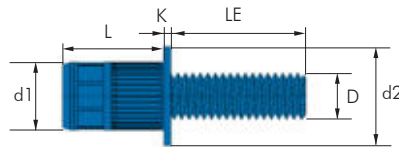
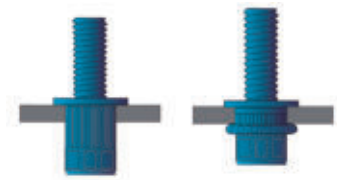


Designed for applications with heavy or hard-to-reach parts. It is a blind fastening system that allows pre-installation of the part to be screwed onto the male thread.

- An excellent solution for obtaining a reliable and durable male thread in thin materials (0.5 mm).
- The surface is resistant to thermal stress or deformation.
- It can be installed at any stage of production.

GROOVED BLIND RIVET STUDS Large head - Closed end

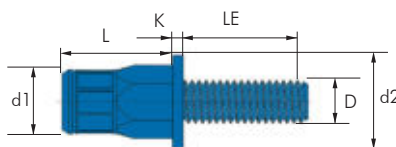
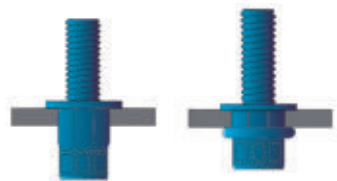
STEEL
Zincplated 8 μ



D	 MIN. mm MAX.	L Nominal mm	d1 Ø mm	d2 Ø mm	K mm	LE mm	 mm	PACKAGING  Inner  Outer		REFERENCE
M5	0,5 - 3,0	13,5	6,9	10,0	1,00	15	7,10	500	3.000	0370005015
	0,5 - 3,0	13,5				20		400	2.400	0370005020
	0,5 - 3,0	13,5				25		300	1.800	0370005025
M6	0,5 - 3,0	16,0	8,9	13,0	1,5	15	9,10	250	1.500	0370006015
	0,5 - 3,0	16,0				20		200	1.200	0370006020
	0,5 - 3,0	16,0				25		150	900	0370006025
	3,0 - 5,5	16,0				18		200	1.200	0370016018
	3,0 - 5,5	16,0				23		150	900	0370016023
M8	0,5 - 3,0	18,5	10,9	16,0	1,5	15	11,10	150	900	0370008015
	0,5 - 3,0	18,5				20		100	600	0370008020
	0,5 - 3,0	18,5				25		100	600	0370008025

HALF-HEXAGON BLIND RIVET STUDS Large head - Closed end

STEEL
Zincplated 8 μ



D	 MIN. mm MAX.	L Nominal mm	d1 Ø mm	d2 Ø mm	K mm	LE mm	 mm	PACKAGING  Inner  Outer		REFERENCE
M5	0,5 - 3,0	13,5	6,9	10,0	1,0	15	7,10	500	3.000	0370105015
	0,5 - 3,0	13,5	6,9			20		400	2.400	0370105020
	0,5 - 3,0	13,5	6,9			25		300	1.800	0370105025
M6	0,5 - 3,0	15,7	8,95	13,0	1,5	15	9,10	250	1.500	0370106015
	0,5 - 3,0	15,7	8,95			20		200	1.200	0370106020
	0,5 - 3,0	15,7	8,95			25		150	900	0370106025
M8	0,5 - 3,0	17,9	10,90	16,0	1,5	15,6	11,10	150	900	0370108015
	0,5 - 3,0	17,9	10,90			20,6		150	900	0370108020
	0,5 - 3,0	17,9	10,90			25,6		100	600	0370108025

BATTERY TOOL FOR RIVETS

To adapt to the different needs of our customers, we offer more than 40 optional nosepieces.

BT-20



SAFE HOLDER
Hold in assembly lines

LED LIGHTS
Increase visibility in working area

**TRANSPARENT
MANDREL COLLECTOR**
Safe for the operator
Optional collector for long mandrels

OPTIONAL LONG NOSEPIECE KIT
145 mm for narrow access

**LOCKBOLTS
VERSION**

ERGONOMIC HANDLE
Comfortable use

POWERFUL LI-ION BATTERY
Prolonged operating time
Optional 5.0 Ah battery

RETENTION NOSEPIECES
For perpendicular works

FACADE NOSEPIECES
For composite panels

LONG NOSEPIECES
For better access in
confined spaces





BRALO

RELIABILITY AND RESISTANCE

- ▶ **High-power** riveting machine.
- ▶ **High speed** for the most demanding jobs.
- ▶ Incredible quality and **reliability**.
- ▶ **Durability** and robustness.
- ▶ **Ergonomics** and low weight for greater comfort.
- ▶ **Autonomy**, without air or hoses.

SELECT THE DESIRED NOSEPIECES

BT-20

Cod. 02BT20010



Maintenance
Easy & Fast



Power &
Durability



Portability
Brushless

Ø mm	RIVET						
	Standard	Structural	S-trebol	G-BRA	Versagrip	Hardgrip	Hardlock
2.4	*						
3.2	✓					✓	
4.0	✓				✓	✓	
4.8	✓	*			✓	✓	
5.2			*				
6.0	✓					*	
6.4	✓		**	**	**	**	**
6.5		**					
7.9	✓		**				

* A special nosepiece is required and is supplied as an accessory.
** Special nosepiece and jaws are required and are supplied as accessories.

TECHNICAL DATA

WEIGHT: 1,720 grs.
STROKE: 25 mm.
PULL FORCE: 19,600 N.
CAPACITY: From 2.4 to 7.9 and 6.5 mm
Structural and S-Trebol 7.9 mm.
OPTIONAL BATTERY: 5.0 Ah. (ref. 05BT2000107)
DIMENSIONS: 280 x 270 x75 mm.



BRALO

IDEAL FOR ASSEMBLY LINES

BT-20LB

Cod. 02BT20LB1

FEATURES

- **Fast and efficient** tool for large quantities of rivets
- **Ergonomics and low weight** for greater operator comfort.
- **Powerful, long-lasting LI-ION** battery.
- LED light for greater visibility in the work area.
- **Transparent mandrel collector** for greater safety.
- **Hook for hanging** on assembly lines.



Maintenance
Easy & Fast



Power &
Durability



Portability
Brushless

Ø mm	LOCKBOLT	
	Bralock	Unilock
4.8	*	*
6.5	*	*

* Request the KIT of the desired size with the machine request.

TECHNICAL DATA

WEIGHT: 1,720 grs.
STROKE: 25 mm
PULL FORCE: 19,600 N
CAPACITY: From 4.8 to 6.5 lockbolts Bralock and Unilock
OPTIONAL BATTERY: 5.0 Ah. (ref. 05BT2000107)
DIMENSIONS: 280 x 270 x75 mm.



SELECT THE DESIRED KIT

05BM3002023	RIVETING KIT Ø4.8 UNILOCK
05BM3002024	RIVETING KIT Ø6.4 UNILOCK
05BM3002021	RIVETING KIT Ø4.8 BRALOCK
05BM3002022	RIVETING KIT Ø6.4 BRALOCK

NEW PT RANGE

Pneumatic riveters engineered to meet the needs of professionals across a range of industries. Our new tools combine reliability, robustness, and durability to deliver optimal performance for demanding tasks.

PNEUMATIC RIVETING TOOLS FOR RIVETS

ADVANTAGES

► UNMATCHED STRENGTH WITH REDUCED WEIGHT

Full forged aluminum body

► MAXIMUM RELIABILITY

Simplified high-precision design that requires fewer components

► FASTER CYCLES AND LESS WEAR

Springless design with recycled air for piston return

► LOWER COST OF COMPRESSED AIR CONSUMPTION

Efficient pulling force delivery with reduced intake of air pressure and flow

► MINIMAL MAINTENANCE

Built to last, easy to service on-site



CAPACITY

DIAMETER	MATERIAL	PT-8L	PT-14	PT-20	PT-28	PT-28LB
2.4	Alu, steel, copper inox		* * *			
3.0 - 3.2	Alu, steel, copper inox	✓	✓			
3.2 Hardgrip	Steel, inox	✓	✓			
4.0	Alu, steel, copper inox	✓	✓			
4.0 Hardgrip	Steel, inox	✓	✓			
4.8- 5.0	Alu, steel, inox, copper	✓	✓	* *	* *	
4.8 Hardgrip	Steel, Inox		✓	* *	* *	
4.8 Structural	Alu, steel, inox		*	* *	* *	
4.8 Multilock	Alu, steel, inox		*	* *	* *	
6.0	Alu, steel, inox, copper		✓	✓	✓	
6.0 Hardgrip	Steel, Inox				✓	
6.4	Alu, steel, inox, copper		✓	✓	✓	
6.4 Hardgrip	Steel, Inox			*	*	
6.4 Versagrip	Steel, Inox			*		
6.4 Hardlock, G-BRA	Alu, steel, inox			✓	✓	
6.4 Multilock, Hardvex	Alu, steel, inox			✓	✓	
6.5 Structural	Alu, steel, inox			✓		
5.2 S-Trebol	Aluminium	*		* *		
6.4 S-Trebol	Aluminium	* *		*		
7.7 S-Trebol	Aluminium	* *		*		
5.2 S-Trebol WP	Aluminium	*		* *		
6.4 S-Trebol WP	Aluminium	* *		*		
7.7 S-Trebol WP	Aluminium	* *		*		
4.8 Bralock (lockbolt)					* * *	* * *
4.8 Unilock (lockbolt)					* * *	* * *
6.5 Bralock (lockbolt)					* * *	* * *
6.5 Unilock (lockbolt)					* * *	* * *

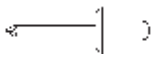
* Optional nosepiece required.

** Jaws, pusher, and insert must be replaced.

*** Optional kit required.



PT-8L



PNEUMATIC RIVETING TOOL FOR RIVETS
Extended stroke for special rivets such as Trebol or Peeled rivets

TECHNICAL DATA

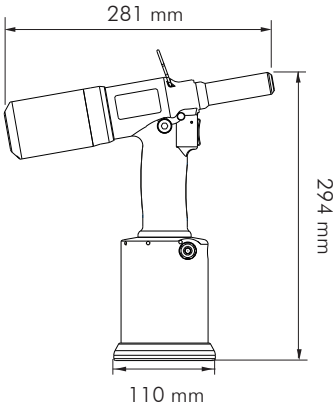
WEIGHT: 1,800 grs.
STROKE: 27 mm
*PULL FORCE: 8,500 N
CAPACITY: from 3.0 mm to 5.0 mm.

RIVET Ø mm	MATERIAL			
	Aluminium	Steel	Inox	Copper
3.0 - 3.2	✓	✓	✓	✓
3.2 Hardgrip		✓	✓	
4,0	✓	✓	✓	✓
4,0 Hardgrip		✓	✓	
4.8 - 5.0	✓	✓	✓	✓

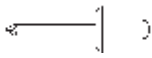
* | Force measured at 6 Bar.

PT-8L

Cod. 02PT8L010



PT-14



PNEUMATIC RIVETING TOOL FOR RIVETS
Total versatility for all types of Standard rivets (Ø2.4 to Ø6.4 mm)

TECHNICAL DATA

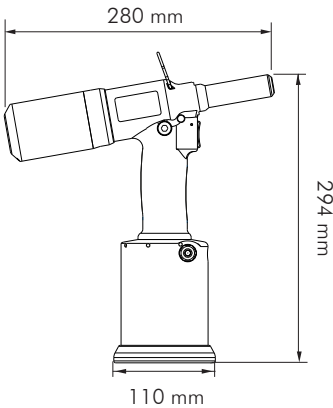
WEIGHT: 1,800 grs.
STROKE: 17 mm
*PULL FORCE: 13,500 N
CAPACITY: from 3.0 mm to 6.4 mm.

RIVET Ø mm	MATERIAL			
	Aluminium	Steel	Inox	Copper
3.0 - 3.2	✓	✓	✓	✓
3.2 Hardgrip		✓	✓	
4.0	✓	✓	✓	✓
4.0 Hardgrip		✓	✓	
4.8 - .0	✓	✓	✓	✓
4.8 Hardgrip		✓	✓	
6.0	✓	✓	✓	✓
6.4	✓	✓	✓	✓

* Force measured at 6 Bar.

PT-14

Cod. 02PT14010



PT-20



PNEUMATIC RIVETING TOOL FOR RIVETS
Specialist in high-strength Structural rivets

TECHNICAL DATA

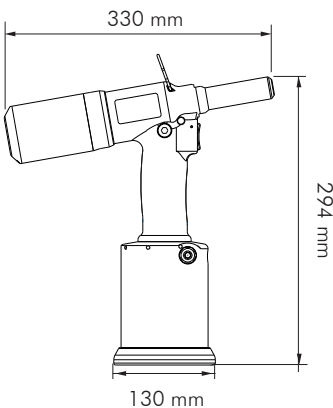
WEIGHT: 2,300 grs.
STROKE: 27 mm
*PULL FORCE: 21,000 N
CAPACITY: from 6.0 mm to 6.5 mm Structural.

RIVET Ø mm	MATERIAL			
	Aluminium	Steel	Inox	Copper
6,0	✓	✓	✓	✓
6,4	✓	✓	✓	✓
6,5 Hardlock/Gbra	✓	✓	✓	
6,5 Multilock	✓	✓	✓	
6,5 Structural	✓	✓	✓	

* Force measured at 6 Bar.

PT-20

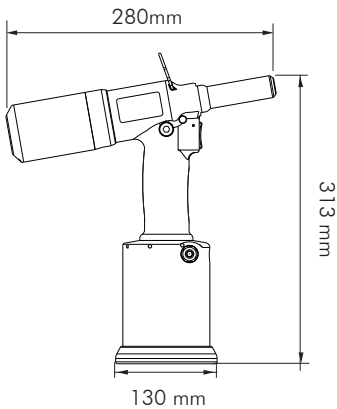
Cod. 02PT20010





PT-28

Cod. 02PT28010



TECHNICAL DATA

WEIGHT: 2,200 grs.
STROKE: 17 mm
***PULL FORCE:** 27,500 N
CAPACITY: from 6.0 mm to 6.5 mm

RIVET Ø mm	MATERIAL			
	Aluminium	Steel	Inox	Copper
6.0	✓	✓	✓	✓
6.0 Hardgrip		✓	✓	
6.4	✓	✓	✓	✓
6.5 Hardlock/Gbra	✓	✓	✓	
6.5 Multilock	✓	✓	✓	

* Force measured at 6 Bar.



ACCESSORIES PT RANGE

The PT pneumatic tools have a standard mandrel collector for short mandrel rivets. If you need to set long mandrel rivets -more than 45 mm long - in your application-, it is advisable to purchase the special mandrel collector for long mandrels that is supplied as optional accessory.

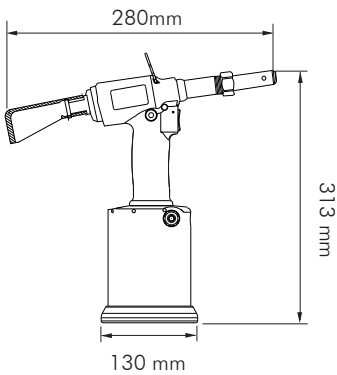
DESCRIPTION	REFERENCE
LONG MANDREL COLLECTOR	05PT0000096

PNEUMATIC RIVETING TOOLS FOR LOCKBOLTS
Lockbolt configuration with maximum power: up to 28 kN



PT-28LB

Cod. 02PT28010



TECHNICAL DATA

WEIGHT: 2,200 grs.
STROKE: 17 mm
PULL FORCE: 27,500 N
CAPACITY: from 4.8 to 6.4 m lockbolts (Bralock and Unilock)

LOCKBOLT Ø mm	MATERIAL	
	Aluminium	Steel
4.8 Bralock		*
4.8 Unilock		*
6.5 Bralock	*	*
6.5 Unilock		*

* Optional with KIT supplied as an accessory.



ACCESSORIES PT-28LB

DESCRIPTION	REFERENCE
PROTECTIVE BASE	05BM3002111
ADAPTER REFLECTOR	05PT0000037G

DESCRIPTION	REFERENCE
KIT UNILOCK 4.8	05BM3002023
KIT BRALOCK 4.8	05BM3002021
KIT UNILOCK 6.4	05BM3002024
KIT BRALOCK 6.4	05BM3002022

PNEUMATIC RIVETING TOOLS FOR SPEED RIVETS

PT-SR



PNEUMATIC RIVETING TOOLS FOR SPEED RIVETS

EFFICIENCY AND SPEED LIGHT TOOL

PT-SR

Cod. 02PTSR010

CHARACTERISTICS

- Effective rivet machine with pneumatic cup.
- Automatic rivet feeding.
- High riveting speed.
- Increased productivity.
- Ergonomic handle that facilitates user comfort.
- Professional heavy duty tool.

TECHNICAL DATA

WEIGHT: 1,700 grs.
LENGTH: 540 mm
WORKING PRESSURE: 5-7 bar.
AIR CONSUMPTION: 2,0 l/rivet.
MAX. POWER: 5.5 bar-1,000 kg
APPROXIMATE CYCLE TIME: 1 second.
NOISE LEVEL: less than 70 db (A).
VIBRATION: < 2,7 m/s².

RIVET Ø mm	MATERIAL			
	Aluminium	Steel	Inox	Copper
2.4	✓	✓	✓	✓
3.2	✓	✓	✓	✓
4.0	✓	✓	✓	✓
4.8	✓	✓	✓	✓

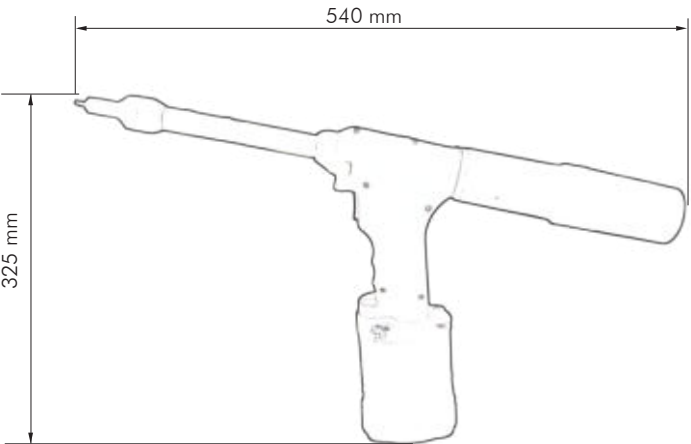
SAFETY BUTTON

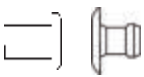
To control the trigger in case of non-use.

ERGONOMIC HANDLE

HIGH RESISTANCE RUBBER BASE

SECURITY VALVE





It is a lightweight, ergonomic tool, with an efficient setting system, designed to meet the needs of the most demanding of applications. It is ideally used in assembly lines and capable of setting all types of speed rivets from 3.2 to 4.8 mm.



RR-10

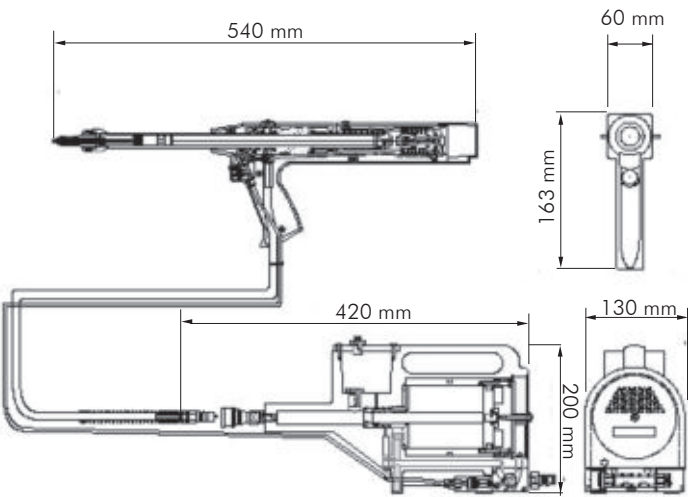
- Cod. 02RR00103
- Cod. 02RR00104
- Cod. 02RR00105

CHARACTERISTICS

- Durable and reduced maintenance cost.
- Very fast, average cycle time less than one second.
- Automatic rivet feeding.
- Ergonomic handle.
- Increased productivity.
- Lightweight and effective tool.

TECHNICAL DATA

WEIGHT: 2,800 grs.
LENGTH: 540 mm
WORKING PRESSURE: 5,5 - 6,5 bar.
AIR CONSUMPTION: 0,8 l/rivet.
STROKE: 21 mm..
CAPACITY: Up to 4.8-5.0 mm.



RIVET Ø mm	MATERIAL			
	Aluminium	Steel	Inox	Copper
2.4	✓	✓	✓	✓
3.2	✓	✓	✓	✓
4.0	✓	✓	✓	✓
4.8	✓	✓	✓	✓

02RR00103	RR-10 Ø 3.2
02RR00104	RR-10 Ø 4,0
02RR00105	RR-10 Ø 4.8

HYDRO-PNEUMATIC EQUIPMENTS

RANGE HT

Powerful and ergonomic tools, with an efficient configuration system, designed to meet the needs of the most demanding applications

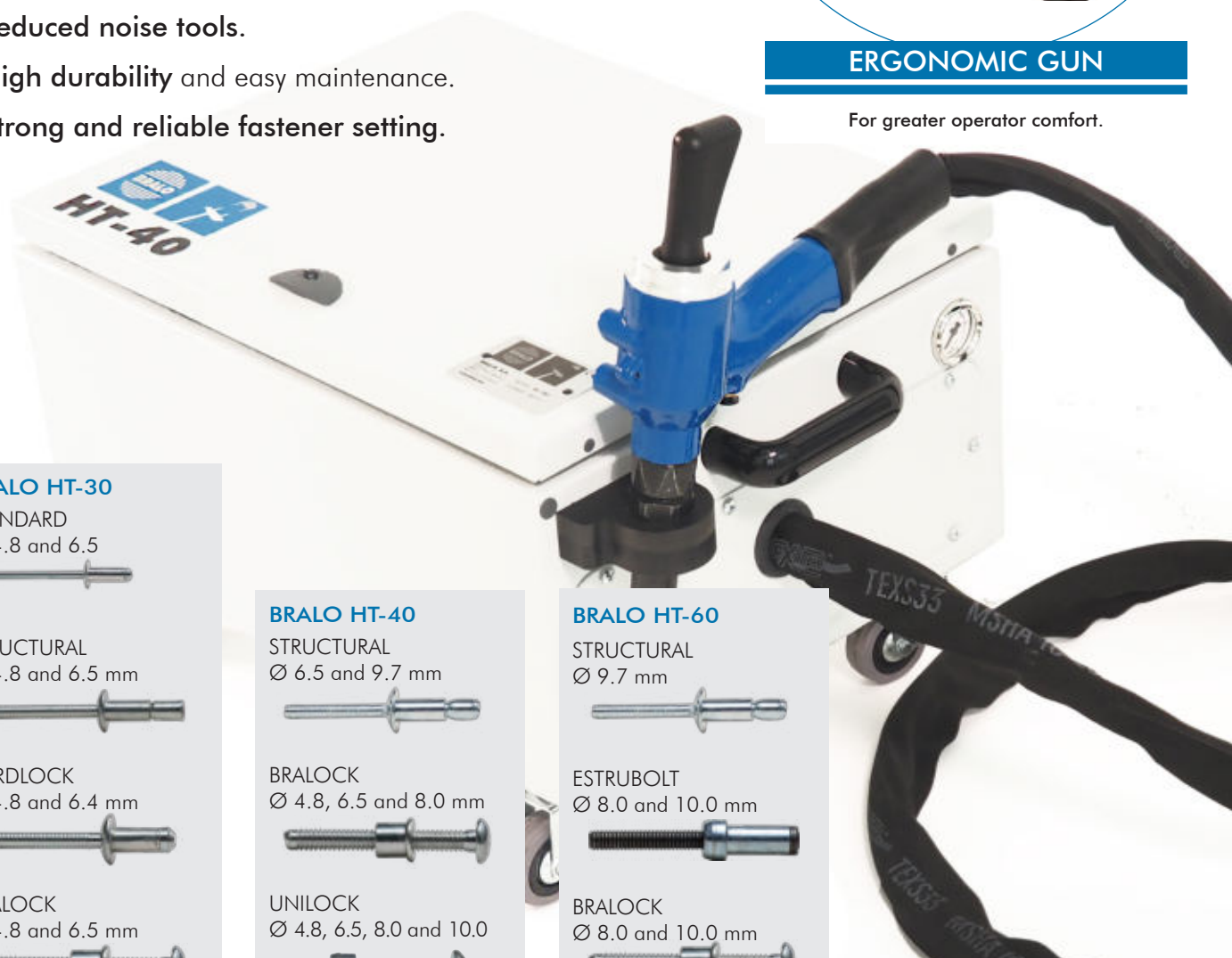
HYDRO-PNEUMATIC EQUIPMENTS POWER AND SPEED

- ▶ Range for **high strength rivets** such as lockbolts, structural rivets and Estrubolt.
- ▶ **Ergonomic handle** made of aluminum.
- ▶ **Quick and easy** to use installation equipment.
- ▶ Ideal to be used in **assembly lines**.
- ▶ **Reduced noise tools**.
- ▶ **High durability** and easy maintenance.
- ▶ **Strong and reliable fastener setting**.



ERGONOMIC GUN

For greater operator comfort.



BRALO HT-30

STANDARD
Ø 4.8 and 6.5



STRUCTURAL
Ø 4.8 and 6.5 mm



HARDLOCK
Ø 4.8 and 6.4 mm



BRALOCK
Ø 4.8 and 6.5 mm



UNILOCK
Ø 4.8 and 6.5 mm



BRALO HT-40

STRUCTURAL
Ø 6.5 and 9.7 mm



BRALOCK
Ø 4.8, 6.5 and 8.0 mm



UNILOCK
Ø 4.8, 6.5, 8.0 and 10.0



ESTRUBOLT
Ø 4.8, 6.4 and 8.0 mm



BRALO HT-60

STRUCTURAL
Ø 9.7 mm



ESTRUBOLT
Ø 8.0 and 10.0 mm



BRALOCK
Ø 8.0 and 10.0 mm



UNILOCK
Ø 8.0 and 10.0 mm



BRALO HT-100/100E

ESTRUBOLT
Ø 10.0 and 13.0 mm





The BRALO HT-30 Riveter is a professional machine designed to install 4.8 and 6.4 diameter rivets: standard, structural, hardlock and lockbolts.

HT-30

Cod. 02HT30000



TECHNICAL DATA

WEIGHT GUN: 1.2 Kg.
PULL FORCE: 30,000N.
STROKE: 25 mm
CAPACITY: blind rivets of 4.8 and 6.5 and Structural and Hardlock rivets from 4.8 and 6.4 and lockbolts (Unilock and Bralock).

05HT30R000	RIVETING KIT Ø4.8 STANDARD
05HT30R000	RIVETING KIT Ø6.5 STANDARD
05HT30R000	RIVETING KIT Ø4.8 STRUCTURAL
05HT30R000	RIVETING KIT Ø6.5 STRUCTURAL
05HT30R000	RIVETING KIT Ø4.8 HARDLOCK
05HT30R000	RIVETING KIT Ø6.4 HARDLOCK
05HT30R000	RIVETING KIT Ø 6.4 HARDGRIP
05BM3002023	RIVETING KIT Ø4.8 UNILOCK
05BM3002024	RIVETING KIT Ø6.4 UNILOCK
05BM3002021	RIVETING KIT Ø4.8 BRALOCK
05BM3002022	RIVETING KIT Ø6.4 BRALOCK



Note: Consult information about the required parts with each kit.



The BRALO HT-40 Riveter is a professional setting equipment with the capacity to fix Structural rivets up to 9.7 mm, Estrubolt and lockbolts.

HT-40

Cod. 02HT40000

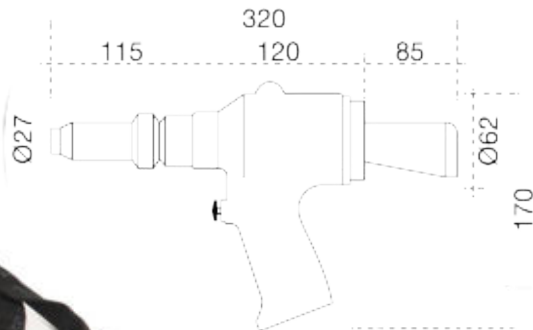
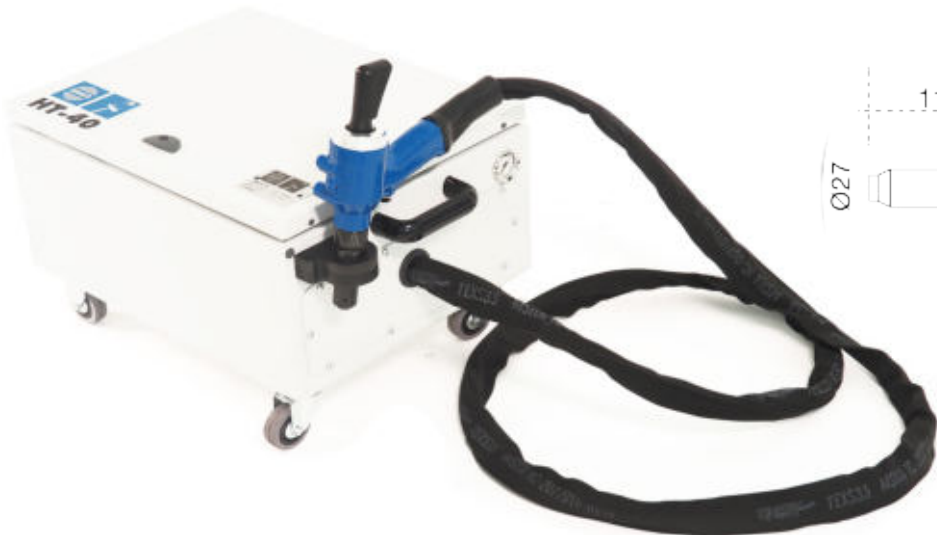
TECHNICAL DATA

WEIGHT: 1.2 Kg.
DIMENSIONS: 495 x 295x 250 mm.
PULL FORCE: 40,000N
STROKE: 32 mm.
CAPACITY: Structural 6.5 and 9.7 mm, Estrubolt 4.8 to 8.0 mm and lockbolts: Bralock 4.8, 6.4 and 8.0 and Unilock 4.8 to 10.0.



05BM3002010	RIVETING KIT Ø9.7 STRUCTURAL
05BM3002011	RIVETING KIT LONG Ø6.5 STRUCTURAL
05BM3002020	RIVETING KIT Ø6.5 ESTRUCTURAL
05BM3002021*	RIVETING KIT Ø4.8 BRALOCK
05BM3002022*	RIVETING KIT Ø6.5 BRALOCK
05BM3002023*	RIVETING KIT Ø4.8 UNILOCK
05BM3002024*	RIVETING KIT Ø6.5 UNILOCK
05BM3002025	RIVETING KIT Ø8.0 UNILOCK
05BM3002026	RIVETING KIT Ø10.0 UNILOCK
05BM3002027	RIVETING KIT Ø6.4 ESTRUBOLT
05BM3002028	RIVETING KIT Ø8.0 ESTRUBOLT
05BM3002029	RIVETING KIT Ø4.8 ESTRUBOLT
05HT00B0800	RIVETING KIT Ø8.0 BRALOCK

* These kits require adapter 05BM3001203



Note: Consult information about the required parts with each kit.



The **BRALO HT-60 Riveter** is designed to place large size rivets and lockbolts such as 8 and 10 mm diameter, 10 mm Estrubolt and 9.7 mm Structural.

TECHNICAL DATA

WEIGHT: 2.2 Kg.
PULL FORCE: 60,000N
STROKE: 24 mm.
CAPACITY: Estrubolt rivet 8 and 10 mm and Bralock and Unilock 8 and 10 mm and 9.7 mm Structural rivet.

05BM3002028*	RIVETING KIT Ø8.0 ESTRUBOLT
05HT00E1000**	RIVETING KIT Ø10.0 ESTRUBOLT
05HT00B0800*	RIVETING KIT Ø8.0 BRALOCK
05HT00B1000*	RIVETING KIT Ø10.0 BRALOCK
05BM3002025*	RIVETING KIT Ø8.0 UNILOCK
05BM3002026*	RIVETING KIT Ø10.0 UNILOCK
05BM3002010*	RIVETING KIT Ø9.7 STRUCTURAL

* These kits need the adapter 05HT000A004
** This kit needs the adapter 05HT000A002

HT-60

Cod. 02HT60000



Ø mm	RIVET			
	Structural	Estrubolt	Bralock	Unilock
6.4				
8.0		✓	✓	✓
9.7	✓			
10.0		✓	✓	✓

Note: Consult information about the required parts with each kit.



The BRALO HT-100 Riveter is designed to place large size rivets such as 10 and 13 mm diameter Estrubolt.

HT-100

Cod. 02HT10000

TECHNICAL DATA

- WEIGHT:** 2.2 Kg.
- PULL FORCE:** 100,000N.
- STROKE:** 24 mm.
- CAPACITY:** Estrubolt rivet 10 and 13 mm.

05HT00E1000*	RIVETING KIT Ø10.0 ESTRUBOLT
05HT00E1200**	RIVETING KIT Ø13.0 ESTRUBOLT

* This kit needs the adapter 05HT000A003.
** This kit needs the adapter 05HT000A001





The BRALO HT-100E Riveter is designed to place large size rivets such as 10 and 13 mm diameter Estrubolt

HT-100E

Cod. 02HT100E0

TECHNICAL DATA

WEIGHT: 2.2 Kg.
PULL FORCE: 100,000N.
STROKE: 24 mm.
CAPACITY: Estrubolt from 10 and 13 mm.

05HT00E1000*	RIVETING KIT Ø10.0 ESTRUBOLT
05HT00E1200**	RIVETING KIT Ø13.0 ESTRUBOLT

* This kit needs the adapter 05HT000A003.
** This kit needs the adapter 05HT000A001.



Electric trigger for outdoor use with
electro-hydraulic intensifier



BATTERY RIVETING TOOL FOR RIVET NUTS

BT-18N



- ▶ **HIGH LEVEL OF PRODUCTIVITY.** Power and efficiency in assembly lines
- ▶ **QUALITY IN RIVETING.** Thanks to quick adjustment of force and stroke
- ▶ **EASY MAINTENANCE.** With quick change of mandrels and nosepieces
- ▶ **ERGONOMICS AND COMFORT FOR THE OPERATOR.** Thanks to its low weight and ergonomic grip.
- ▶ **QUICK INSTALL.** Automatic threading and unscrewing with pressure

BT-18N

Cod. 02BT18N10

TECHNICAL DATA

WEIGHT: 2,180 grs.

STROKE: 10 mm

PULL FORCE: 18,000 N

CAPACITY: M-3 to M-10 nuts, M-5 to M-8 stud nuts *.

OPTIONAL BATTERY: 5.0 Ah. (ref. 05BT2000107)

FEATURES

- **Automatic threading** with pressure on the nosepiece.
- LED light for **greater visibility** in the work area.
- **Quick adjustment of stroke or force** with a **built-in display** with a 10-setting interface for saving.
- **Automatic release button** that changes the direction of rotation at the touch of a button.
- **Powerful, long-lasting LI-ION battery.**



RIVET NUT Ø mm	MATERIAL		
	Aluminium	Steel	Inox
M-3	✓	✓	✓
M-4	✓	✓	✓
M-5	✓	✓	✓
M-6	✓	✓	✓
M-8	✓	✓	✓
M-10	✓	✓	

RIVET STUD Ø mm	MATERIAL		
	Aluminium	Steel	Inox
M-5	*	*	*
M-6	*	*	*
M-8	*	*	*

* Kits supplied as accessories
Long metric rivet nut mandrels available.

NEW PT RANGE

The pneumatic riveter range redefines industrial standards with a robust forged aluminum design and simplified high-precision construction.

These tools offer greater durability, faster cycles, superior energy efficiency and minimal maintenance.

PNEUMATIC TOOLS FOR RIVET NUTS

CAPACITY

DIÁMETRO	MATERIAL	PT-15NL	PT-19N	PT-27N	PT-HEX
M-3	Aluminium, steel, inox	✓	✓		
M-4	Aluminium, steel, inox	✓	✓	✓	✓
M-5	Aluminium, steel, inox	✓	✓	✓	✓
M-6	Aluminium, steel, inox	✓	✓	✓	✓
M-8	Aluminium, steel, inox	✓	✓	✓	✓
M-10	Aluminium, steel, inox		✓	✓	✓
M-12	Aluminium, steel, inox			✓	
M-4 RIVET STUD	Aluminium, steel, inox	✓	✓	✓	
M-5 RIVET STUD	Aluminium, steel, inox	✓	✓	✓	
M-6 RIVET STUD	Aluminium, steel, inox	✓	✓	✓	
M-8 RIVET STUD	Aluminium, steel, inox	✓	✓	✓	
M-10 RIVET STUD	Aluminium, steel, inox		✓	✓	



ACCESSORIES PT-19N, PT15NL AND PT-27N

The machine does not include a riveting kit. The metric kit must be chosen by the customer. All kits are supplied as accessories:

METRIC	KIT NUTS
KIT M-3	05BNTN00157
KIT M-4	05BNTN00158
KIT M-5	05BNTN00159
KIT M-6	05BNTN00160
KIT M-8	05BNTN00161
KIT M-10	05BNTN00162
KIT M-12	05PT27N0101

METRIC	KIT RIVET STUD
KIT M-4	05BNTN00163
KIT M-5	05BNTN00164
KIT M-6	05BNTN00165
KIT M-8	05BNTN00166*
KIT M-10	05BNTN00185**

* Requires a special mandrel holder supplied with the kit.

** 4-piece kit supplied

UNC	KIT UNC NUTS
UNC 6-32	05BNTN00167
UNC 8-32	05BNTN00168
UNC 10-32	05BNTN00184
UNC 1/4-20	05BNTN00169
UNC 5/16-18	05BNTN00170
UNC 3/8-16	05BNTN00171
UNC 1/2	05PT27N0105

PNEUMATIC RIVETING TOOL FOR RIVETS NUTS

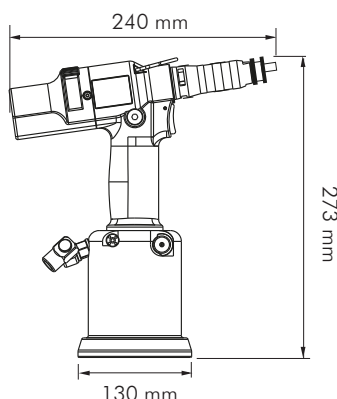
Total versatility from M3 to M10 nuts



PT-19N

PT-19N

Cod. 02PT19N010



TECHNICAL DATA

WEIGHT: 1,900 grs.

STROKE: 7 mm

PULL FORCE: 19,000 N

CAPACITY: M3 - M10

RIVET NUT Ø mm	MATERIAL		
	Aluminium	Steel	Inox
M-3	✓	✓	✓
M-4	✓	✓	✓
M-5	✓	✓	✓
M-6	✓	✓	✓
M-8	✓	✓	✓
M-10	✓	✓	

With optional parts, this tool can fix rivet studs from M5 to M10.



TECHNICAL DATA



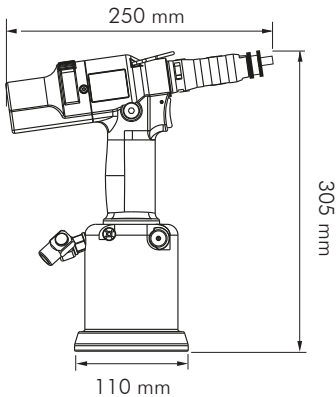
WEIGHT: 2,200 grs.
STROKE: 13 mm
PULL FORCE: 15,000 N
CAPACITY: M3 - M8.

RIVET NUT Ø mm	MATERIAL		
	Aluminium	Steel	Inox
M-3	✓	✓	✓
M-4	✓	✓	✓
M-5	✓	✓	✓
M-6	✓	✓	✓
M-8	✓	✓	

With optional parts, this tool can fix rivet studs from M5 to M8.

PT-15NL

Cod. 02PT15NL010



PT-27N



PNEUMATIC RIVETING TOOL FOR RIVETS NUTS
High power for large-diameter nuts (up to M12)

TECHNICAL DATA



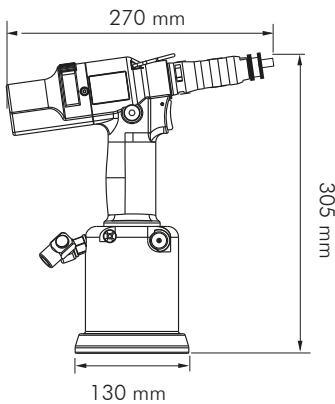
WEIGHT: 1,900 grs.
STROKE: 7 mm
PULL FORCE: 27,000 N
CAPACITY: M4 - M12

RIVET NUT Ø mm	MATERIAL		
	Aluminium	Steel	Inox
M-3	✓	✓	✓
M-4	✓	✓	✓
M-5	✓	✓	✓
M-6	✓	✓	✓
M-8	✓	✓	✓
M-10	✓	✓	
M-12	✓	✓	

With optional parts, this tool can fix rivet studs from M4 to M10.

PT-27N

Cod. 02PT27N010



PT-HEX



HEXAGONAL CUTTER HOLES TOOL

TECHNICAL DATA

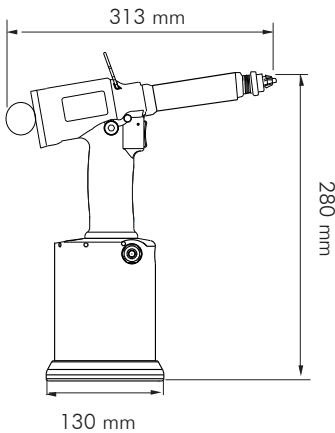


WEIGHT: 2,400 grs.
STROKE: 7 mm.
PULL FORCE: 19,000 N.
CAPACITY: M4 - M10.

HOLES Ø mm	
M-4	✓
M-5	✓
M-6	✓
M-8	✓
M-10	✓

PT-HEX

Cod. 02PTHEX10





HIGHLY RELIABLE, FAST AND POWERFUL MACHINE
FOR DEMANDING APPLICATIONS

HT-80N

Cod. 02HT80N10

FEATURES

- Installation kit quick and **easy to use**.
- Ideal to be used on **assembly lines**.
- Fitting a **large number of nuts**.
- **Silent** tool.
- **High durability** and easy maintenance.
- **Stroke and pressure adjustment** of the machine
- Get a **quality result**.

TECHNICAL DATA

WEIGHT: 2.3 Kg
DIMENSIONS: 500x400x343 mm.
PULL FORCE: 80,000 N
STROKE: 15 mm.
CAPACITY: M-8 to M-20



METRIC
M-8
M-10
M-12
M-14
M-16
M-18
M-20

UNC/UFC
5/16-18 UNC
5/16-24 UNF
3/8-16 UNC
3/8-24 UNF
1/2-13 UNC
1/2-20 UNF
5/8-11
3/4-10 UNC



MANUAL RIVETING TOOLS FOR RIVETS

Bralo’s manual riveters are characterized by their ergonomics and lightness, and are designed for smaller diameter rivets and occasional use.



WHICH MANUAL TOOL TO CHOOSE?

RIVET	MATERIAL	BM-45	BM-75	BM-85	BM-68	BM-92	BM-160	BM-164
2.4	Aluminium, inox	✓	✓	✓				
3.0	Alu, steel, inox, copper	✓	✓	✓	✓	✓	✓	
3.2	Alu, steel, inox, copper	✓	✓	✓	✓	✓	✓	
4.0	Alu, steel, inox, copper	✓	✓	✓	✓	✓	✓	
4.8	Aluminium	✓	✓	✓	✓	✓	✓	✓
4.8	Steel, inox, copper				✓	*	✓	✓
4.8	Structural: alu, steel, inox						*	*
5.0	Aluminium				✓	✓	✓	✓
5.0	Steel, inox				✓	*	✓	✓
6.0	Aluminium				✓	*	✓	✓
6.0	Steel, inox				✓			✓
6.4	Aluminium				✓			✓
6.4	Steel, inox				✓			✓
6.0	Hardgrip: steel, inox							*
6.4	Hardlock: alu, steel, inox							*
5.2	S-Trebol						*	*
6.4	S-Trebol							*

* It needs optional accessories.

RIVETING TOOLS FEATURES

SLIM NOSEPIECE DESIGN
for access to difficult riveting places.

Main body cast in **ALUMINIUM FOUNDRY**.

ERGONOMIC HANDLES
for minimum operating effort.

INTERMEDIATE LEVER SYSTEM (BM-85) reduces power requirement and effects shock-absorption.

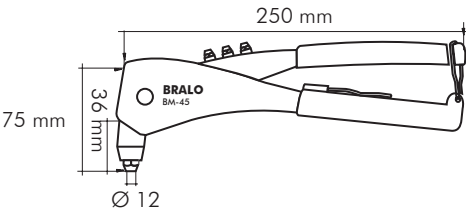
Light tempered **STEEL LEVER**.

A cavity within the tool for the **ADDITIONAL NOSEPIECES** and nosepiece spanner.



TECHNICAL DATA

WEIGHT: 530 grs.
LENGTH: 250 mm.
STROKE: 5 mm.
CAPACITY: Up to 5 mm.



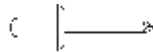
BM 45 BOX

Cod. 02BM00450

BM 45 "Tool kit" PLASTIC BOX
BM 45 + rivets assortment

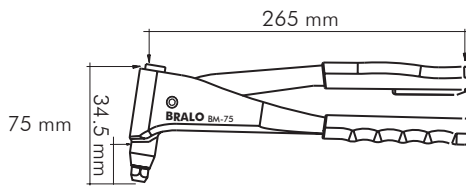
Cod. 02BM00453

RIVET Ø mm	MATERIAL			
	Aluminium	Steel	Inox	Copper
2.4	✓			✓
3.0 - 3.2	✓	✓	✓	✓
4,0		✓	✓	✓
4.8 - 5.0	✓			



TECHNICAL DATA

WEIGHT: 600 grs.
LENGTH: 265 mm.
STROKE: 6 mm.
CAPACITY: Up to 5 mm.



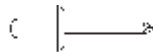
BM 75 BOX

Cod. 02BM00750

BM 75 PLASTIC CASE
BM 75 + rivets assortment

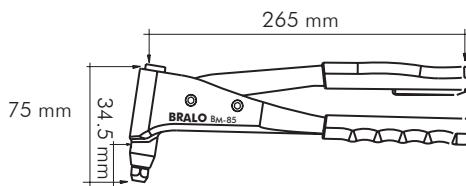
Cod. 02BM0075PB

RIVET Ø mm	MATERIAL			
	Aluminium	Steel	Inox	Copper
2.4	✓		✓	
3.0 - 3.2	✓	✓	✓	✓
4,0	✓	✓	✓	✓
4.8 - 5.0	✓			



TECHNICAL DATA

WEIGHT: 670 grs.
LENGTH: 265 mm.
STROKE: 6 mm.
CAPACITY: Up to 5 mm.



BM 85 BOX

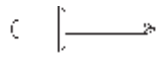
Cod. 02BM00850

BM 85 PLASTIC CASE
BM 85 + rivets assortment

Cod. 02BM0085PB

RIVET Ø mm	MATERIAL			
	Aluminium	Steel	Inox	Copper
2.4	✓			✓
3.0 - 3.2	✓	✓	✓	✓
4,0	✓	✓	✓	✓
4.8 - 5.0	✓			

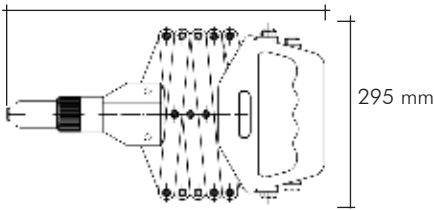




FEATURES

- Extra long nose for accessing to hard to reach riveting places.
- Extension type tool that gives the possibility to set blind rivets using only one hand.
- Main body and handle manufactured in a high density aluminium casting.
- Comfortable handle for a better riveting.
- The connecting bars that constitute the bellows are manufactured in straps of steel.
- Provided with additional nosepieces allocated in the handle.

285-764 mm



BM 68

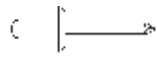
Cod. 02BM00680

TECHNICAL DATA

WEIGHT: 1,645 grs.
LENGTH: 285-764 mm.
STROKE: 8 mm.
CAPACITY: Up to 6.4 mm.

RIVET Ø mm	MATERIAL			
	Aluminium	Steel	Inox	Copper
3.0	✓	✓	✓	✓
3.2	✓	✓	✓	✓
4.0	✓	✓	✓	✓
4.8	✓	✓	✓	✓
5.0	✓	✓	✓	
6.0	*	*	*	
6.4	*	*	*	

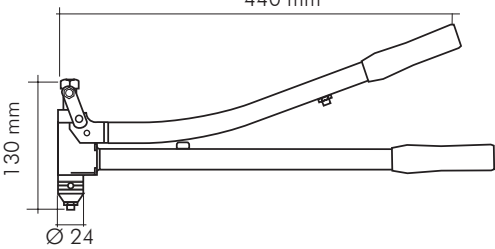
* For prolonged usage, we recommend you use the BM-164.



FEATURES

- For use both in and outdoors.
- Main body, levers and the anchoring are made of the highest quality steel.
- Head for access to difficult riveting places.
- Comfortable and ergonomic handles.
- Only one of the levers can be moved, for use in reduced spaces.
- A cavity within the tool for the additional nosepieces.

440 mm



BM 92

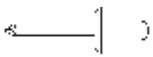
Cod. 02BM00920

TECHNICAL DATA

WEIGHT: 1,590 grs.
LENGTH: 440 mm.
STROKE: 10 mm.
CAPACITY: Up to 6.0 mm.

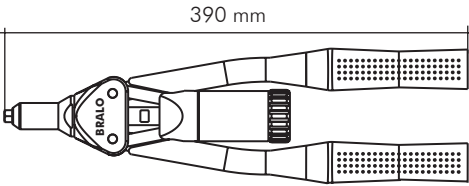
RIVET Ø mm	MATERIAL			
	Aluminium	Steel	Inox	Copper
3.0	✓	✓	✓	✓
3.2	✓	✓	✓	✓
4.0	✓	✓	✓	✓
4.8	✓	*	*	*
5.0	✓	*	*	
6.0	*			

* It needs a nosepiece that is supplied as accessory.



FEATURES

- Main body manufactured in a high density aluminium casting.
- Levers and anchoring made of high quality steel for more resistance.
- Comfortable and ergonomic handles.
- Mandrel collector to keep the cleanliness and safety of the working area.
- Solid, safe and durable tool.
- Supplied with additional nosepieces.



BM 160

Cod. 02BM01600

BM 160 PLASTIC CASE

Cod. 02BM01602

TECHNICAL DATA

WEIGHT: 1,360 grs.
LENGTH: 390 mm.
STROKE: 10 mm.
CAPACITY: Up to 6.0 mm and 5.2 S-Trebol.

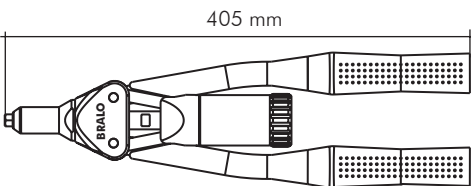
RIVET Ø mm	MATERIAL			
	Aluminium	Steel	Inox	Copper
3.0 - 3.2	✓	✓	✓	✓
4.0	✓	✓	✓	✓
4.8	✓	✓	✓	✓
4.8 Structural	*	*	*	
5.0	✓	✓	✓	
6.0	✓			
5.2 S-Trebol	*			

* † needs special nosepiece that is supplied as accessory.



FEATURES

- Main body manufactured in a high density aluminium casting.
- Levers and anchoring made of high quality steel for more resistance.
- Comfortable and ergonomic handles.
- Mandrel collector to keep the cleanliness and safety of the working area.
- Powerful, safe and durable tool.
- Supplied with additional nosepieces.



BM 164

Cod. 02BM01640

BM 164 PLASTIC CASE

Cod. 02BM01642

TECHNICAL DATA

WEIGHT: 1,420 grs.
LENGTH: 405 mm.
STROKE: 10 mm.
CAPACITY: Up to 6.4 S-Trebol.

RIVET Ø mm	MATERIAL			
	Aluminium	Steel	Inox	Copper
4.8	✓	✓	✓	✓
5.0	✓	✓	✓	✓
6.0	✓	✓	✓	
6.4	✓	✓	✓	
5.2 S-Trebol	*			
6.4 S-Trebol	*			
6.0 Hardgrip	**			
6.4 Hardlock	**			

* It needs special nosepiece that is supplied as accessory.

** It needs jaws that are supplied as accessories.



MANUAL RIVETING TOOLS FOR RIVET NUTS



T-105



MANUAL RIVETING TOOLS FOR RIVET NUTS

T 105 BOX

Cod. 02TR01050

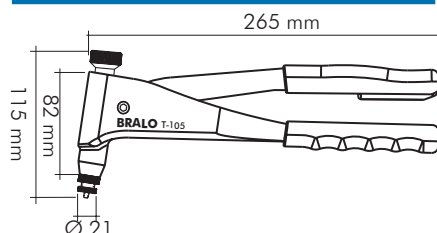
T 105 PLASTIC CASE

T-105+ Assortment M4, M5 and M6 Steel Insert Nuts large and reduced.

Cod. 02TR0105PB



RIVET NUT Ø mm	MATERIAL		
	Aluminium	Steel	Inox
M-3	✓	✓	✓
M-4	✓	✓	✓
M-5	✓	✓	✓
M-6	✓	✓	✓



FEATURES

- For use both in and outdoors.
- Slim design for access to difficult riveting places.
- Main body made in aluminium alloy.
- Light tempered steel lever.
- Nosepiece spanner fixed on the tool.
- Ergonomic handles to get a better riveting.

TECHNICAL DATA

WEIGHT: 670 grs.
LENGTH: 265 mm.
HEIGHT: 115 mm.
STROKE: 7.5 mm.
CAPACITY: M3 to M6.

TR-412



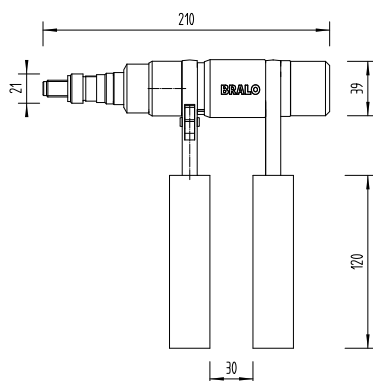
MANUAL RIVETING TOOLS FOR RIVET NUTS

TR-412 PLASTIC CASE

Cod. 02TR04120



RIVET NUT Ø mm	MATERIAL		
	Aluminium	Steel	Inox
M-4	*	*	*
M-5	✓	✓	✓
M-6	✓	✓	✓
M-8	✓	✓	✓
M-10	✓	✓	✓
M-12	✓	✓	✓



FEATURES

- Usable for indoor and outdoor applications.
- Ideal to fix elements in tight spaces or with difficult access.
- It works with reduced consumption of force thanks to the special design of the lever.
- Easy and quick change of mandrels.
- Ergonomic handles.

TECHNICAL DATA

WEIGHT: 1,000 grs.
LENGTH: 210 mm.
STROKE: 8 mm.
CAPACITY: M4 to M12, Stud nuts and UNC rivet nuts.

ACCESSORIES TR-412

The riveter is equipped with mandrels and nosepieces for M-5 to M-12. *The M-4 Rivet Nuts will be supplied as an accessory. The M-4, M-5 and M-6 Stud nuts Kits are supplied as accessories.



FEATURES

- Main body is made in a high density aluminium casting.
- The multiplier effect guarantees that just a minimum amount of strength is required.
- Ergonomic handles that facilitate the riveting process.
- Easy to adjust and to fix the stroke through a knurled adjustment nut.
- Hand threading and unthreading of the rivet nut with a central rotating handle.

TECHNICAL DATA

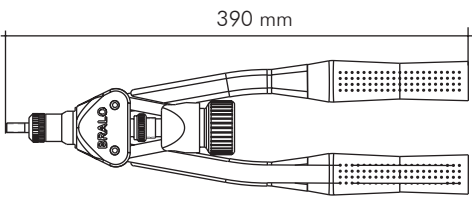
WEIGHT: 1,470 grs.
LENGTH: 390 mm.
STROKE: 6 mm.
CAPACITY: M-3 to M-8 nuts and Stud nuts

TR 308 PLASTIC CASE

Cod. 02TR03080

RIVET NUT Ø mm	MATERIAL		
	Aluminium	Steel	Inox
M-3	✓	✓	✓
M-4	✓	✓	✓
M-5	✓	✓	✓
M-6	✓	✓	✓
M-8	✓	✓	✓

* This riveter is capable to fix steel studs nuts. Special nosepieces are required and are supplied as accessories.



FEATURES

- The multiplier effect guarantees that just a minimum amount of strength is required.
- Main body is made in a high density aluminium casting.
- Levers and anchoring made in a high quality steel.
- Comfortable and ergonomic handles.
- Easy to adjust and to fix the stroke through a knurled adjustment nut.
- Hand threading and unthreading of the rivet nut with a central rotating handle.

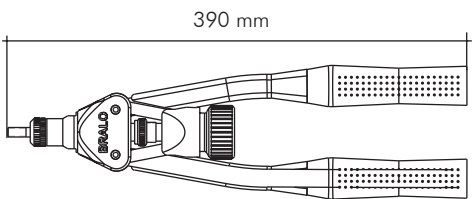
TECHNICAL DATA

WEIGHT: 1,510 grs.
LENGTH: 390 mm.
STROKE: 7 mm.
CAPACITY: M-6 to M-12

TR-312 PLASTIC CASE

Cod. 02TR03120

RIVET NUT Ø mm	MATERIAL		
	Aluminium	Steel	Inox
M-6	✓	✓	✓
M-8	✓	✓	✓
M-10	✓	✓	✓
M-12	✓	✓	



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EXPERTS IN RIVETS, BLIND RIVET NUTS AND RIVETING TOOLS