

CATALOGUE

Blind rivets, Insert nuts and Riveting Tools



Global expertise in fastening solutions



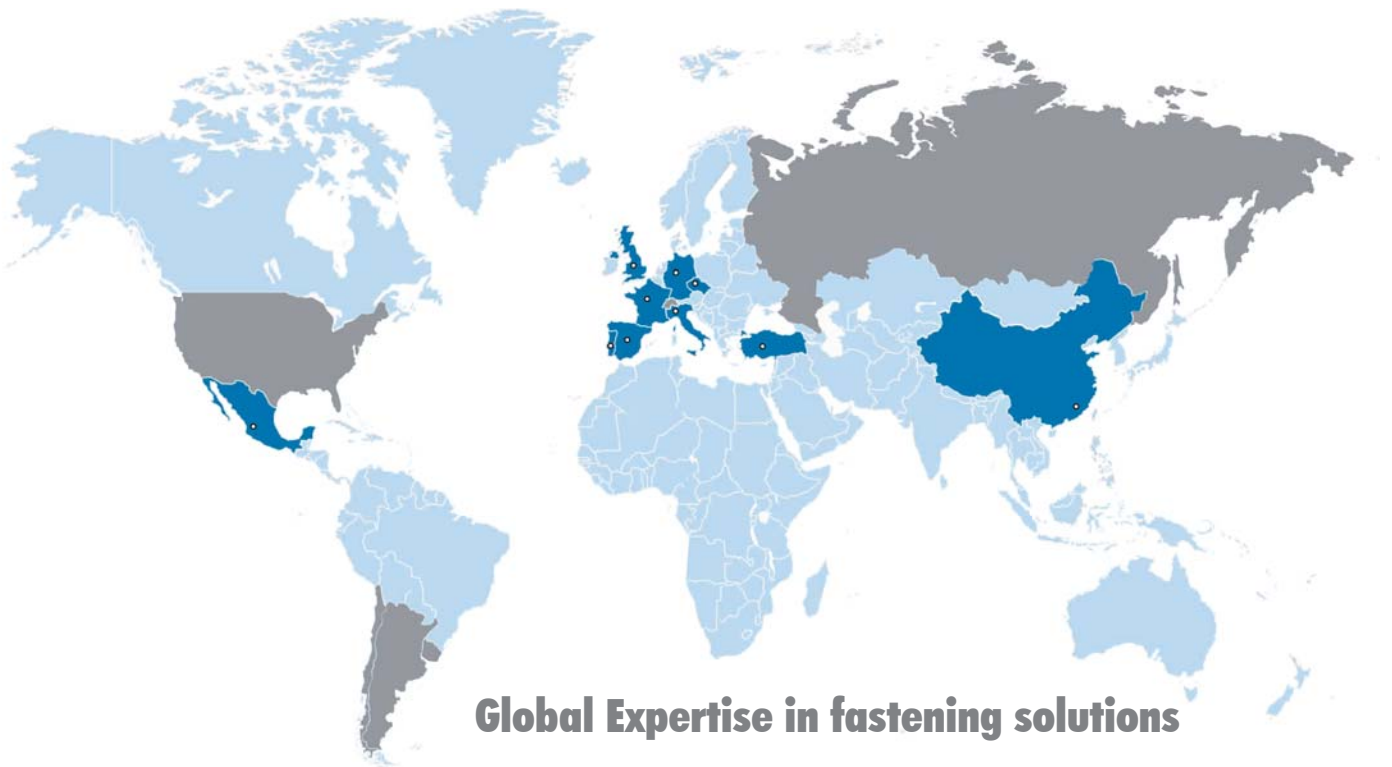
www.bralo.com

Commercial delegations over the world

BRALO is a multinational firm dedicated to the manufacture and distribution of blind rivets, structural rivets, insert nuts and fastening tools.

- **Our objective is to anticipate our customers' needs.**
- **We use the latest technology and innovation systems.**
- **The production processes are borne out by commitment to quality.**

Bralo was founded in 1985. Today it has 10 commercial branches and 3 manufacturing plants. It's a technological company that puts into practice innovative solutions in the construction, motor, renewable energies and electrical appliances sectors. Bralo is the brand of reference in the markets where it operates.



Global Expertise in fastening solutions

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DISTRIBUTORS

Austria
USA
Uruguay
Argentina
Chile
Russia

BRALO fastening elements have been developed from their inception over 28 years ago and now include a vast range of high quality rivets, insert nuts and setting tools that will meet the needs of the most demanding manufacturing process.

BRALO Rivets and lockbolts

The BRALO range includes structural rivets and lock bolts with superior clamping performance and grip range capabilities.

Available in Steel, Stainless Steel, Aluminium, Copper and Nickel Copper alloy, BRALO Rivets have become the standard throughout the industry.

The constant use of innovative technology has created the most comprehensive range of rivets in the market. Thanks to our wide range of materials, finishes and conditioning processes, our customer can choose from all our rivets features: from colour up to design.

INSERT NUTS

Designed to satisfy the highest quality levels and manufactured to resist the most severe weather conditions.

BRALO has a wide variety of rivet nuts. We offer them with flanged, reduced or countersunk heads with either smooth, grooved or hexagonal bodies. The choice of which to use depends on the application.

Our insert nuts can be used to fasten a big variety of materials, including soft materials, fragile materials, thin sheets and plastic.



Installation Equipment

PNEUMATIC RIVETING TOOLS

Designed to increase the efficiency in production lines.

BM and TR Range are high performance riveting tools capable of setting a wide variety of blind rivets and insert nuts. They are powerful, ergonomic tools, with an efficient setting system, designed to meet the needs of the most demanding of applications.

HAND TOOLS

The most intensive search for quality and our constant improvement policy make BRALO Manual Tools distinguished for their ergonomics, lightness and durability.



ELECTRONIC RIVETING TOOLS

Being portable and fast, BRALO Electronic tools have capacity for setting both standard and structural rivets.

New BET Range comprises light weight battery tools designed to meet the needs of the most demanding of applications. BRALO battery riveting tools are portable and with high performance technologies. BET-1 and BET-2 provide a wide assembly capacity and a powerful Li-Ion battery.

Excellence in manufacturing



MORE THAN 6.000 MILLION PIECES PER YEAR

Manufacturing plants in three different continents:
BRALO Spain, BRALO Mexico and BRALO China.

At BRALO we have technological innovation capacity and research and development ability. These are the tools we implement in order to get outstanding quality products.

HIGH QUALITY MATERIAL

The in-house laboratory facilities allow Bralo to examine raw materials and guarantee the highest quality standards in our industry for safety, strength, and durability.

COMPUTER CONTROL

BRALO has an innovative line of automated Optical Inspection Machines (AOI) to control the quality of the product at different stages through the manufacturing process and prior to dispatch.

OPTIMISATION PROCESSES

Our aim is to eliminate waste and optimize processes to create the greatest possible value for the client.

Quality certifications

BRALO's drive for constant improvement of its products and services leads us to manage a quality system based on ever more demanding standards. The current certificates of quality:

- ISO 9001:2008 accredits that the company meets the needs of customers and other stakeholders while meeting statutory and regulatory requirements related to the product.
- ISO TS 16949:2009 defines the quality management system requirements for the design and development, production and service of automotive-related products.



Sectors

BRALO serves clients in a variety of industries who have vastly different manufacturing environments; from repairs and maintenance or site work to highly sophisticated automated production lines.

We are a technological company that applies innovative fastening solutions to sectors such as electronics, automotive, construction, renewable energies and general industry.



Painted colours

Bralo rivets are available in an infinity of lacquering with liquid epoxy painting. From black to white, we have a range of over 50 RAL colours and we can make special lacquering under request.

COLOUR	RAL	COLOUR	RAL	COLOUR	RAL
Bronze Anodised		Beige 1015		Orange 2004	
Brown Anodised		Beige 1013		Orange 2000	
Black Anodised		Burgundy 3005		Brown 8014	
Gold Anodised		Burgundy 3007		Brown 8019	
Silver Anodised		Cream 1001		Brown 8024	
Copper Anodised		Grey 7038		Brown 8004	
Yellow 1021		Grey 9006		Brown 8017	
Yellow 1104		Grey 7022		Red 3000	
Yellow 1028		Grey 9002		Red 3009	
Yellow 1006		Grey 7024		Pink 3012	
Blue 5010		Grey 7037		Green 6002	
Blue 5007		Grey 9007		Green 6005	
Blue 5001		Grey 7016		Green 6021	
Blue 5012		Grey 7030		Green 6009	
White 9010		Grey 7011		Green 6003	
Black 9005		Black 9011			



Appearance & corrosion

COATINGS AND PASSIVATION	APPEARANCE	USE IN CORROSION CONDITION
Zincplated with transparent passivation	Grey	Light
Zincplated with black passivation	Black	Light
Zinc-nickel	Grey	Severe
Zinc-nickel with black ending	Black	Severe
Zinc-iron	Matt Grey	From moderate to severe
Zinc-iron with black ending	Matt Black	From moderate to severe
Anodised	Silver or black	Severe
Stainless steel passivation	No change	Very Severe
Lacquering (epoxic painted)	According to color	Light
Delta-Seal Grey	Grey	Severe
Delta-Seal Black	Black	Severe

We use a wide range of protective coatings to improve the resistance in the pieces which are exposed to the natural elements. All the coverings are free of hexavalent chromium.

For a maximum corrosion resistance and durability of our steel rivet, we apply different protective coatings, whether zincating or organic coatings such as Delta Seal or Delta Protekt. Another option is anodising, available only for aluminum, that protects the rivet from abrasion and saline corrosion agents and allows it to be tinted in a wide variety of colours.

At BRALO we can work closely with our customers to manufacture specials in order to meet the specific needs in each application.



Anodised

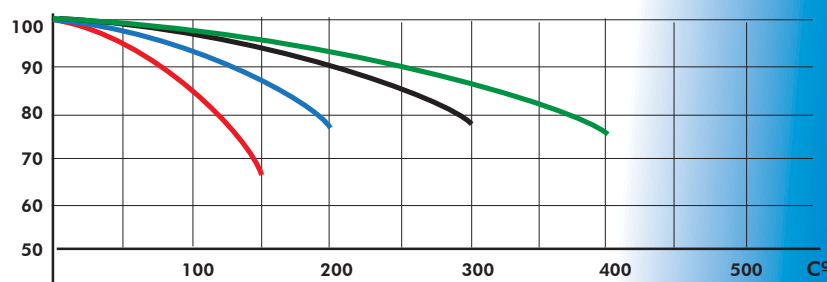


Delta-Seal

Temperature

Protective coatings performance

% resistance value



Aluminium — Steel Zincplated — Steel Zinc nickel — Stainless Steel —

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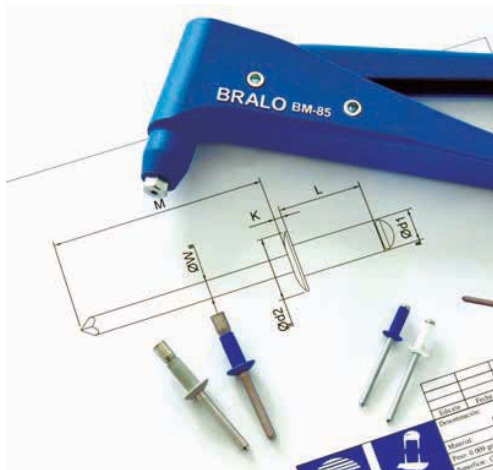
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Blind Rivet



WIDE RIVET RANGE

With over 4,500 products, BRALO lives up to its customers' high requirements to diversity of design and function, as well as in quality and cost.

HIGH QUALITY MATERIAL

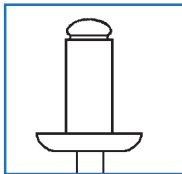
At Bralo we test materials to ensure they meet the highest quality standards in our industry for safety, strength and durability.

PERSONALISED DESIGNS

We manufacture special designs in collaboration with our customers to meet their requirements and demands. Bralo is an innovative enterprise in constant growth offering customised fastening solutions and tailored services.

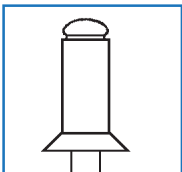
Types of head

DOME HEAD



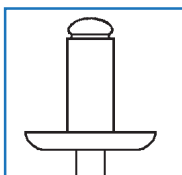
It's the most versatile type of head. It provides enough bearing surface to retain all kinds of materials, except those extremely smooth and brittle.

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.

LARGE HEAD



It 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.

Benefits

- ✓ Wide rivets range.
- ✓ Rivets with Multi-grip range feature.
- ✓ The mandrel is completely locked to get resistance.
- ✓ Special designs.
- ✓ Packaged according to the customers' needs.
- ✓ Protective lacquered and coatings.

Materials

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 a shear and tensile strengths are needed and with good resistance.

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 rivets for all types of applications.

Aluminium Mg 5,0 (EN AW 5019)

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

Steel

Common material.
Applications in resistant materials.

Stainless Steel (304, 316)

Corrosion resistance.
Applications where there are adverse weather conditions.

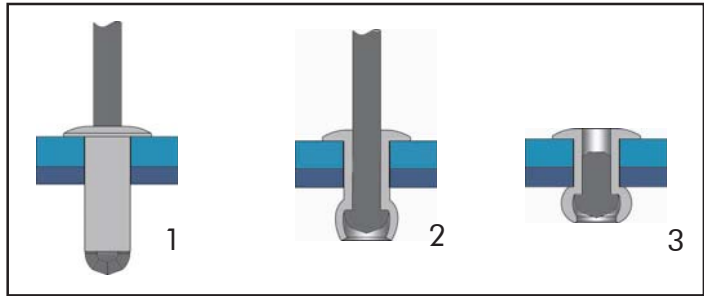
Copper

Thermal and electrical conductor.
Applications in soft materials.

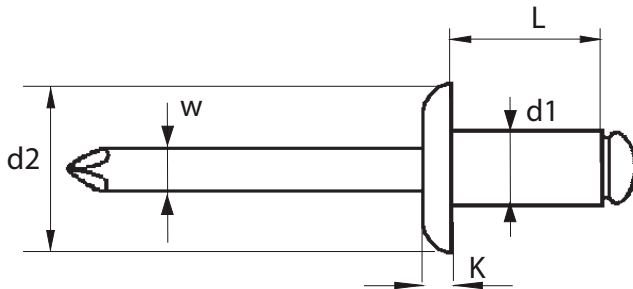


Placing process

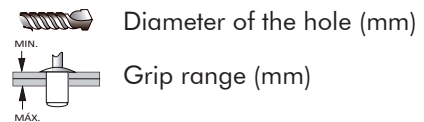
1. Put the rivet in the nosepiece and insert it into the hole.
2. Push the trigger of the tool so the mandrel enters into the rivet head. The hole is completely filled and the mandrel ejects.
3. The rivet is firmly applied. When finished the tool uses compressed air to expel the mandrel into the mandrel catcher.



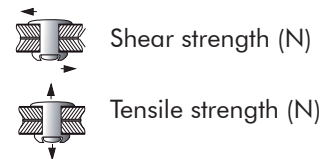
Technical data



- d1** Diameter of the body
- d2** Diameter of the head
- L** Length of the body
- W** Diameter of the mandrel
- K** Thickness of the head



Strengths



Selection of the rivet

ASSEMBLY MATERIAL:

The selection of the rivet depends on the type of material being assembled. When working on a **soft or fragile material** like wood, plastic, or a car number plate, the appropriate rivets would be the Peeled, Trebol and S-Trebol rivet. The Multigrip rivet is suitable for joining plastics and slim metallic plates. In metal work and the motor sector, the **clip and mouldings** will be fixed with a Profile Clincher. The Grooved rivets assemble **metal to fibrous surfaces** such as wood and bricks.

GRIP RANGE:

The thickness of the pieces being assembled must be within the rivet grip range. The Structural, Multigrip and Trebol rivet have multigrip capability. They are versatile rivets that can be used in wide grip. This helps to reduce the inventory.

DIAMETER DRILL RANGE:

The appropriate hole is specified in the rivet table. It's necessary to verify the hole diameter in order to offer enhanced performance benefits.

IMPERMEABILITY AND HERMETIC CLOSURE:

There are situations with **liquid and vapor leaks**, where it's necessary for a rivet to fill the hole, like the Sealed, Structural and S-Trebol Rivet. They also absorb vibrations and reduce electrical problems.

CORROSION RESISTANCE:

A deciding factor when choosing a rivet is the corrosion resistance which is required in each application. It's necessary to select the same material in the application as the rivet in order to get **more resistance**. The Aluminum Magnesium Rivets offer an optimum **corrosion tolerance**, the Stainless Steel A2 and A4 is a harder material. Using the protective coatings or other coverings (anodized, galvanic, delta-Seal) improves the performance resistance of the parts exposed to the natural elements.

SHEAR AND TENSILE STRENGTH

The Aluminium Magnesium Rivets offer **more resistance to the shear and tensile strength**. The BRALO Structural Rivets and Lockbolts are the best to use on applications with strong loads.

ENDINGS:

Sometimes the color rivet must be adjusted to the aesthetic characteristics of the applications. The BRALO Rivets have countless lacquers, with epoxy spray paint. We have more than 50 colours from white to black according to the RAL standard.

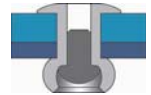
Blind Rivets Types

BLIND RIVETS: A rivet is a fastening system designed to join two pieces of material, whether of the same or different materials, especially in applications where only one side is accessible. Bralo rivets provide a safe and resistant solution to many fastening problems. They have been designed to satisfy the highest quality levels and are manufactured to resist the most severe weather conditions.



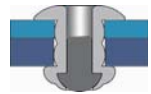
STANDARD RIVET

Wide grip range.
Where especially high torque force is not needed.
Great variety of materials.
Fast, simple with great quality assembly.



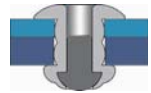
MULTIGRIP RIVET

Multigrip features.
Excellent visual aspect on both sides.
Fills the hole perfectly.
Especially suitable for working with plastics and thin metal sheets.



HARDVEX RIVET

Multigrip features.
High shear and tensile strength.
Provides vibration resistance.
Especially suitable to work with thin and soft materials.



TREBOL RIVET

Multigrip features.
High resistance to corrosion.
Mandrel locking system.
Designed for the fastening of rigid materials to soft or low resistance materials.



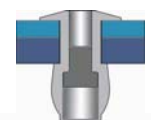
PEELED RIVET

Creates a locking head with a big diameter.
Ideal for the use in applications with soft or low resistance materials.
Allows for use in oversized holes.
Distributes the load and the clamping force.



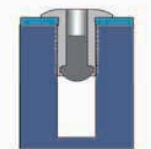
SEALED RIVET

Moisture and pressure tight.
The joints are completely sealed to fluids, avoiding leakage of liquids or vapors.
Avoiding electrical problems or vibrations.
The mandrel is completely locked within the head.



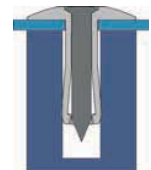
GROOVED RIVET

This fastener does not need through holes.
Safe method of joining metal to smooth and fibrous surfaces.
Provides a high resistance joint.
Ideal to fasten metal surfaces to wood, brick or cement.



DRIVE RIVET

Effective method of joining sheets and profiles to soft and fibrous surfaces or roofs.
This fastener does not need through holes.
Large head creates a wide bearing area.
Resistant to corrosion.





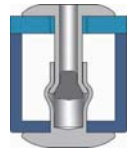
PROFILE CLINCHER

Specially designed for a fast and safe joining of moulds and clips.
Used in the automotive and metalwork industries.
Staggered body.
Fast and simple with reduced cost assembly.



GRIPMATE RIVET

Has an ample bearing area.
Distributes the load.
Recommended for use in applications with soft or low strength materials.
Excellent appearance on both sides.



STRUCTURAL RIVETS: these are designed to meet the most demanding of applications, where an exceptional resistance for both tensile and shear strength is needed. Quick and easy to install, they provide unalterable fastening for extensive periods of time.



STRUCTURAL RIVET

Multi-grip range features.
High resistance to tensile and shear strength.
Moisture and pressure tight.
The hole is completely filled.



HARDGRIP RIVET

Ideal for applications with hard plastics and thin sheets.
Designed for the most demanding applications that require a great clamping force.
High resistance to tensile and shear strengths.
Fill the hole perfectly.



HARDLOCK RIVET

Designed for elements that require exceptional tensile and shear strengths.
Effective head locking system through a mechanical locking of the grooves.
Especially suitable to work with thin sheet materials.
Avoids any kind of electrical problems and noise.



LOCKBOLTS: a lock bolt is a two-piece metal fastener consisting of a collar and a grooved mandrel. It is secured when the collar is threaded onto the mandrel and pressed into place using a powerful tool. Lockbolts are used to create secure long-term connections that are capable of withstanding force and vibration.



BRALOCK

Multi-grip range features.
Designed to have high tensile and shear strength.
Provide vibration resistance.
Use in industrial applications.



UNILOCK

Controlling the break point characteristic.
Retains a high clamping load.
Excellent mechanical resistance.
Obtains a clean uniform appearance.



SPEED RIVETS: synonymous with speed and efficiency. They are supplied in a strip of paper (loading system) and placed using a repetition system with a single mandrel. Speed fastening offers a fast and high precision assembly and guarantee and increase in productivity. There are no interruptions and up to 60 rivets per minute can be placed.



SPEED RIVET BSR

Suitable for applications in metal, plastic and aluminum alloys.
Increases productivity.
Expands radially during installation.
Good resistance to shear strength.



SPEED RIVET BSV

Designed for joining of soft or low resistance materials.
High precision and high quality assembly.
Fill the hole perfectly.
Good resistance to shear strength.



SPECIAL RIVETS AND ACCESSORIES:



MASS-RIVETS

Conceived to effectively earth on painted sheets without damaging the finished.
Optimal conductivity and a solid and resistant fastening.



COPPERED NAILS

Ideal for repairing dents in bodywork.
Manufactured in steel with a covering of copper to weld.



NYLON CAPS FOR RIVETS

Designed to protect and improve the visual aspect of blind rivets.
Available in a wide range of colours.



NYLON COVERS FOR RIVETS

The covers are put prior to the riveting process.
A very simple and fast setting process.
They can be used with rivets with a diameter of 4.8 mm and length up to 16 mm.



STEEL WASHERS FOR RIVETS

Used when the back side of the application is made of a soft or brittle material (plastic, wood, etc.) or when the holesize is drilled in the back end.
Useful in repairs as a consequence of replacing rivets.



NEOPRENE WASHERS FOR RIVETS

Creates a locking head in blind rivets and in end closed insert nuts.
They are extremely easy.

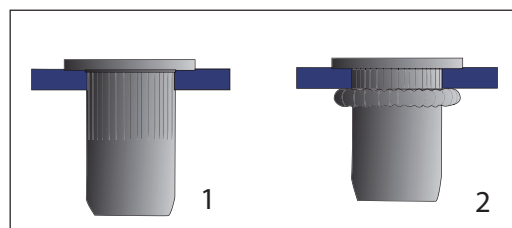
Insert Nuts

BRALO threaded Inserts provide a fast, reliable and simple fastening system with high quality and resistance.

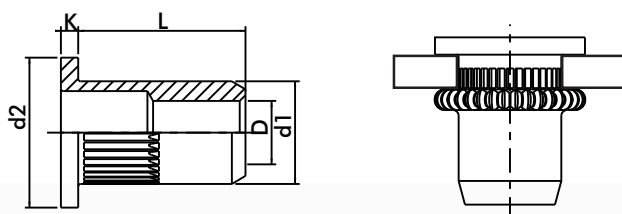
Insert nuts are a mechanical fastener that provide a thread feature in applications with soft materials or with a small grip. They are used for fastening materials with a single side access. Installation can be done at any stage of production, even after lacquering.

Placing process

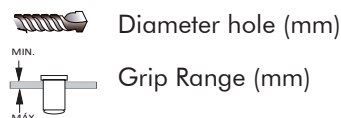
1. Insert the nut onto the tool and then into the hole. Push the trigger and the tool will set the main body, completely filling the hole through a radial expansion.
2. The insert nut reduces after being set. Finally, unscrew the nut from the tool.



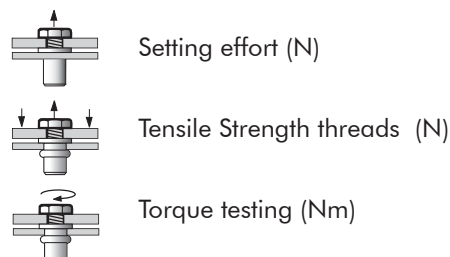
Dimensions



- d1** Diameter of the main body
- d2** Diameter of the head
- L** Length of the main body
- D** Interior thread diameter
- K** Thickness of the head



Strengths



Selection of the insert nut

DIAMETER OF THE HEAD:

At BRALO we have different sizes ranging from M3 to M12. The head is selected according to the material that is to be joined.

SORT OF THREAD NUT:

There are five types of BRALO Thread Nuts: cylindrical, grooved, hexagon, half-hexagon and grooved stud nut. Also, an option of open or closed end must be chosen. They also have diverse characteristics about torque setting, strengths and materials.

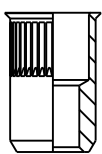
RANGE TO ASSEMBLE:

It is necessary to choose the nut that has the parameters within the range of the work to assemble.

CORROSION RESISTANCE:

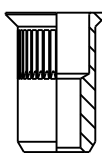
We shall attempt to break the contact between the two metals to reduce the corrosion, by using zincplatings, protective coatings or paintings, that prevent any contact between materials: Delta Seal, galvanised, anodised, zinc nickel, etc.

Types of head



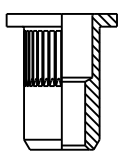
REDUCED HEAD

It offers the possibility of creating a virtual flat surface without the need of counter-sinking.



COUNTERSUNK HEAD

This type of head creates a flush surface as far 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.



OPEN END

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



CLOSED END

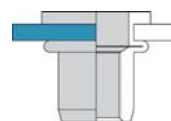
This type of insert nut is ideal when a sealed end is needed to guarantee a watertight application.

Insert nuts types



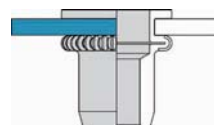
CYLINDRICAL INSERT NUT

Especially designed to work with resistant materials. Particularly used in leveling work. Excellent solution to obtain a resistant thread in parts with a reduced thickness. Its installation can be incorporated at any stage of production.



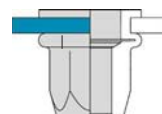
GROOVED INSERT NUT

Ideal for applications with thin metal sheets, tubes, extrusion or plastic. It resists frequent unscrewing. Improves its resistance to rotation once it has been set. Fast and high precision assembly.



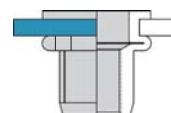
HEXAGON INSERT NUT

Offers an exceptional mechanical resistance. Resistance to rotation and extraction in thin sheets. Fast and high precision assembly. It resists usual unscrewing.



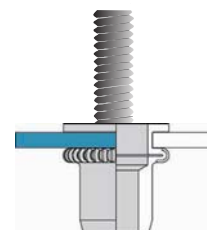
HALF HEXAGON INSERT NUT

Exceptional mechanical resistance. Fast and high precision assembly. Ideal for applications with thin metal sheets, tubes, extrusion or plastic. The conical end of the body and the hexagonal shape allow for an easy insertion.



GROOVED STUD NUT

Allows for a pre-installation of the piece to be screwed onto the male thread. Designed for use with applications with heavy parts or those with a difficult access. Used in air conditioning systems, electrical appliances and electronics. Improves the resistance to rotation.



BLIND RIVETS



STANDARD
MULTIGRIP
HARDVEX
PEELED
TREBOL
SOFT MATERIALS
SEALED
GROOVED
DRIVE RIVET
PROFILE CLINCHER
STRUCTURAL
HARDGRIP
HARDLOCK
GRIPMATE
SPEED RIVETS
LOCKBOLTS



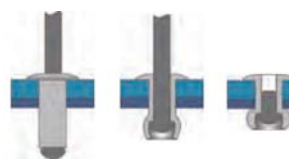
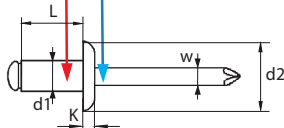
STANDARD RIVET

Dome head

ALUMINIUM/STEEL

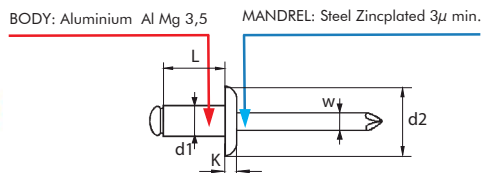
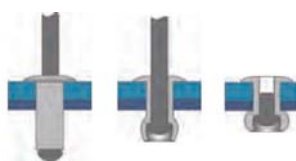


BODY: Aluminium Al Mg 3,5 MANDREL: Steel Zincplated 3µ min.



UNE - EN ISO 15977

d1 Ø mm	L Nominal mm		d2 Ø mm	K mm	W Ø mm	PACKAGING		 E mm	 (N)	 (N)	REFERENCE
		mm	mm	mm	mm	Inner	Outer	MIN. MAX.			
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	4,5 - 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 - 1,5	750	1100	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 - 17,0			01010003220
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
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					150	1.200	25,0 - 27,0			01010004832
	35					150	900	27,0 - 30,0			01010004835
	40					150	900	30,0 - 35,0			01010004840
	45					100	600	35,0 - 40,0			01010004845
	50					100	600	40,0 - 45,0			01010004850



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d1 Ø mm	L Nominal mm		d2 Ø mm	K mm	W Ø mm	PACKAGING  Inner  Outer		 E mm MIN. MÁX.	 (N)	 (N)	REFERENCE
5,0	6	5,10	9,50	1,60	2,65	500	3.000	0,5 - 3,0	2150	3100	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	25,0 - 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	12,0	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	13,0	2,20	3,60	250	1.500	3,0 - 6,0	3800	4850	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 - 24,0			01010006430
	35					100	600	24,0 - 29,0			01010006435
	50						500	29,0 - 42,0			01010006450
7,8	15	8,00	13,5	2,20	3,60		1.000	6,0 - 9,0	6000	6500	G1010007815
	22						1.000	9,0 - 16,0			G1010007822

STANDARD RIVET COLOUR

Dome head

ALUMINIUM/STEEL

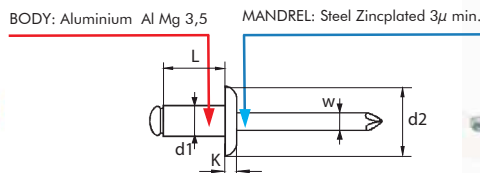
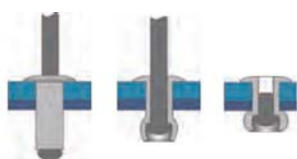


UNE - EN ISO 15977

d1 Ø mm	L Nominal mm	PAINTED WHITE RAL 9010 REFERENCE	PAINTED BLACK RAL 9005 REFERENCE	REST OF THE PAINTED COLOURS REFERENCE	PACKAGING Inner Outer	
2,4	4	01010BL2404	01010N02404	01010 2404	1.000	8.000
	6	01010BL2406	01010N02406	01010 2406	1.000	8.000
	8	01010BL2408	01010N02408	01010 2408	1.000	8.000
3,2	5	01010BL3205	01010N03205	01010 3205	500	4.000
	6	01010BL3206	01010N03206	01010 3206	500	4.000
	8	01010BL3208	01010N03208	01010 3208	500	4.000
	10	01010BL3210	01010N03210	01010 3210	500	4.000
	12	01010BL3212	01010N03212	01010 3212	500	4.000
	15	01010BL3215	01010N03215	01010 3215	500	4.000
	18	01010BL3218	01010N03218	01010 3218	500	4.000
	20	01010BL3220	01010N03220	01010 3220	500	4.000
4,0	6	01010BL4006	01010N04006	01010 4006	500	4.000
	7	01010BL4007	01010N04007	01010 4007	500	4.000
	8	01010BL4008	01010N04008	01010 4008	500	4.000
	10	01010BL4010	01010N04010	01010 4010	500	4.000
	12	01010BL4012	01010N04012	01010 4012	500	3.000
	14	01010BL4014	01010N04014	01010 4014	500	3.000
	16	01010BL4016	01010N04016	01010 4016	500	3.000
	18	01010BL4018	01010N04018	01010 4018	500	3.000
	20	01010BL4020	01010N04020	01010 4020	500	3.000
	25	01010BL4025	01010N04025	01010 4025	250	1.500
	30	01010BL4030	01010N04030	01010 4030	250	1.500
4,8	6	01010BL4806	01010N04806	01010 4806	500	3.000
	8	01010BL4808	01010N04808	01010 4808	500	3.000
	10	01010BL4810	01010N04810	01010 4810	500	3.000
	12	01010BL4812	01010N04812	01010 4812	500	3.000
	14	01010BL4814	01010N04814	01010 4814	250	2.000
	16	01010BL4816	01010N04816	01010 4816	250	2.000
	18	01010BL4818	01010N04818	01010 4818	250	1.500
	21	01010BL4821	01010N04821	01010 4821	250	1.500
	24	01010BL4824	01010N04824	01010 4824	200	1.200
	27	01010BL4827	01010N04827	01010 4827	200	1.200
	30	01010BL4830	01010N04830	01010 4830	200	1.200
	32	01010BL4832	01010N04832	01010 4832	150	1.200
	35	01010BL4835	01010N04835	01010 4835	150	900
	40	01010BL4840	01010N04840	01010 4840	150	900
	45	01010BL4845	01010N04845	01010 4845	100	600
	50	01010BL4850	01010N04850	01010 4850	100	600



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



d1 Ø mm	L Nominal mm		d2 Ø mm	K mm	W Ø mm	PACKAGING  Inner  Outer		 MIN. E mm MAX.	 (N)	 (N)	REFERENCE
4,0	35	4,10	7,60	1,20	2,10	250	1.500	26,0 - 31,5	800	980	01050004035
	40					250	1.500	31,5 - 36,5			01050004040
5,0	55	5,10	9,30	1,50	3,73	100	600	45,0 - 50,0	2000	2750	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			010500050100
	110						500	95,0 - 105,0			010500050110
	120						250	105,0 - 115,0			010500050120
	130						250	115,0 - 125,0			010500050130
	140						250	125,0 - 135,0			010500050140
	150						250	135,0 - 145,0			010500050150
	160						250	145,0 - 155,0			010500050160
6,4	80	6,50	12,5	2,00	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

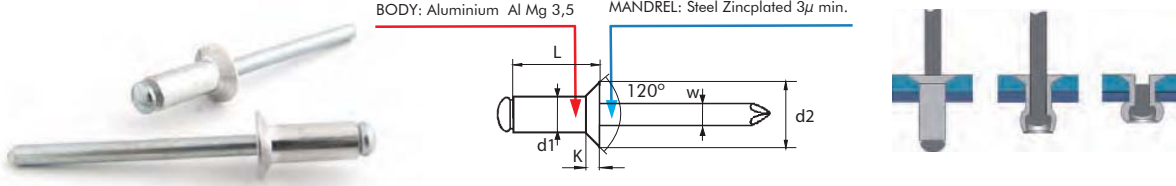
d1 Ø mm	L Nominal mm	PAINTED WHITE RAL 9010 REFERENCE	REST OF THE PAINTED COLOURS REFERENCE	PACKAGING  Inner  Outer
4,0	35	01050BL4035	01050 4035	250 1.500
	40	01050BL4040	01050 4040	250 1.500
5,0	40	01050BL5040	01050 5040	150 900
	45	01050BL5045	01050 5045	100 600
	50	01050BL5050	01050 5050	100 600
	55	01050BL5055	01050 5055	100 600
	60	01050BL5060	01050 5060	500
	65	01050BL5065	01050 5065	500
	70	01050BL5070	01050 5070	500
	75	01050BL5075	01050 5075	500
	80	01050BL5080	01050 5080	500



STANDARD RIVET

Countersunk head 120°

ALUMINIUM/STEEL



UNE - EN ISO 15978

d1 Ø mm	L Nominal mm		d2 Ø mm	K mm	W Ø mm	PACKAGING  		 E mm MIN. MAX.	 (N)	 (N)	REFERENCE
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
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 - 12,0			01020003215
	18					500	4.000	12,0 - 15,0			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



UNE - EN ISO 15978

d1 Ø mm	L Nominal mm	PAINTED WHITE RAL 9010 REFERENCE	PAINTED BLACK RAL 9005 REFERENCE	REST OF THE PAINTED COLOURS REFERENCE	PACKAGING Inner Outer
3,2	6	01020BL3206	01020N03206	01020 3206	500 4.000
	8	01020BL3208	01020N03208	01020 3208	500 4.000
	10	01020BL3210	01020N03210	01020 3210	500 4.000
	12	01020BL3212	01020N03212	01020 3212	500 4.000
	15	01020BL3215	01020N03215	01020 3215	500 4.000
	18	01020BL3218	01020N03218	01020 3218	500 4.000
4,0	6	01020BL4006	01020N04006	01020 4006	500 4.000
	8	01020BL4008	01020N04008	01020 4008	500 4.000
	10	01020BL4010	01020N04010	01020 4010	500 4.000
	12	01020BL4012	01020N04012	01020 4012	500 3.000
	14	01020BL4014	01020N04014	01020 4014	500 3.000
	16	01020BL4016	01020N04016	01020 4016	500 3.000
	18	01020BL4018	01020N04018	01020 4018	500 3.000
	20	01020BL4020	01020N04020	01020 4020	500 3.000
4,8	6	01020BL4806	01020N04806	01020 4806	500 3.000
	8	01020BL4808	01020N04808	01020 4808	500 3.000
	10	01020BL4810	01020N04810	01020 4810	500 3.000
	12	01020BL4812	01020N04812	01020 4812	500 3.000
	14	01020BL4814	01020N04814	01020 4814	250 2.000
	16	01020BL4816	01020N04816	01020 4816	250 2.000
	18	01020BL4818	01020N04818	01020 4818	250 1.500
	21	01020BL4821	01020N04821	01020 4821	250 1.500
	24	01020BL4824	01020N04824	01020 4824	200 1.200
	27	01020BL4827	01020N04827	01020 4827	200 1.200
	30	01020BL4830	01020N04830	01020 4830	200 1.200

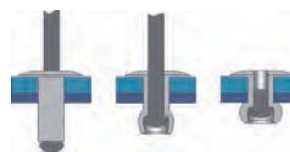
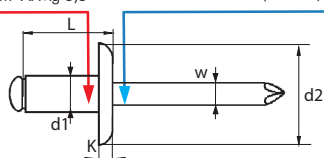
STANDARD RIVET

Large head

ALUMINIUM/STEEL



BODY: Aluminium Al Mg 3,5 MANDREL: Steel Zincplated 3µ min.



d1 Ø mm	L Nominal mm	 mm	d2 Ø mm	K mm	W Ø mm	PACKAGING  Inner  Outer		 MIN. E mm MAX.	 (N)	 (N)	REFERENCE
3,2	6	3,30	9,50	1,10	1,80	500	4.000	1,5 - 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	8	4,10	12,00	1,40	2,20	500	3.000	3,0 - 5,0	1250	1800	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
	20					250	2.000	14,5 - 16,5			01040004020
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
	50					100	600	40,0 - 45,0			01030004850
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
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						200	1.200	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	1.500	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



d1 Ø mm	L Nominal mm	PAINTED WHITE RAL 9010		PAINTED BLACK RAL 9005		REST OF THE PAINTED COLOURS		PACKAGING	
		REFERENCE		REFERENCE		REFERENCE		Inner	Outer
3,2	6	01030	BL3206	01030	N03206	01030	3206	500	4.000
	8	01030	BL3208	01030	N03208	01030	3208	500	4.000
	10	01030	BL3210	01030	N03210	01030	3210	500	4.000
	12	01030	BL3212	01030	N03212	01030	3212	500	4.000
	16	01030	BL3216	01030	N03216	01030	3216	500	4.000
4,0	8	01040	BL4008	01040	N04008	01040	4008	500	3.000
	10	01040	BL4010	01040	N04010	01040	4010	500	3.000
	12	01040	BL4012	01040	N04012	01040	4012	250	2.000
	14	01040	BL4014	01040	N04014	01040	4014	250	2.000
	16	01040	BL4016	01040	N04016	01040	4016	250	2.000
	18	01040	BL4018	01040	N04018	01040	4018	250	2.000
	20	01040	BL4020	01040	N04020	01040	4020	250	2.000
4,8	10	01030	BL4810	01030	N04810	01030	4810	250	1.500
	12	01030	BL4812	01030	N04812	01030	4812	250	1.500
	14	01030	BL4814	01030	N04814	01030	4814	250	1.500
	16	01030	BL4816	01030	N04816	01030	4816	250	1.500
	18	01030	BL4818	01030	N04818	01030	4818	200	1.200
	21	01030	BL4821	01030	N04821	01030	4821	200	1.200
	24	01030	BL4824	01030	N04824	01030	4824	150	900
	27	01030	BL4827	01030	N04827	01030	4827	150	900
	30	01030	BL4830	01030	N04830	01030	4830	150	900
	35	01030	BL4835	01030	N04835	01030	4835	100	600
4,8	10	01040	BL4810	01040	N04810	01040	4810	250	1.500
	12	01040	BL4812	01040	N04812	01040	4812	250	1.500
	14	01040	BL4814	01040	N04814	01040	4814	200	1.200
	16	01040	BL4816	01040	N04816	01040	4816	200	1.200
	18	01040	BL4818	01040	N04818	01040	4818	200	1.200
	21	01040	BL4821	01040	N04821	01040	4821	150	900
	24	01040	BL4824	01040	N04824	01040	4824	150	900
	27	01040	BL4827	01040	N04827	01040	4827	150	900

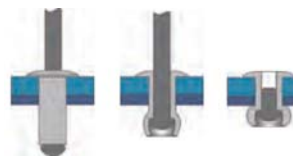
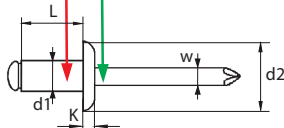
STANDARD RIVET

Dome head

ALUMINIUM/STAINLESS STEEL A2



BODY: Aluminium Al Mg 3,5 MANDREL: Stainless Steel/ Inox 304



d1 Ø mm	L Nominal mm		d2 Ø mm	K mm	W Ø mm	PACKAGING		 E mm	 (N)	 (N)	REFERENCE
		mm	mm	mm	mm	Inner	Outer	MIN. MAX.			
2,4	4	2,50	5,00	0,60	1,45	1.000	8.000	0,5 - 2,0	350	550	01019002404
	6					1.000	8.000	2,0 - 4,0			01019002406
	8					1.000	8.000	4,0 - 6,0			01019002408
	10					1.000	8.000	6,0 - 8,0			01019002410
3,0	8	3,10	6,00	1,00	1,80	500	4.000	3,5 - 5,0	550	850	01019003008
3,2	6	3,30	6,40	1,00	1,80	500	4.000	1,5 - 3,5	750	1150	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	4.000	15,0 - 17,0			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
5,0	6	5,10	9,50	1,60	2,65	500	3.000	0,5 - 3,0	2150	3100	01019005006
	8					500	3.000	3,0 - 4,5			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	25,0 - 30,0			01019005035
6,0	8	6,10	12,00	1,80	3,20	250	2.000	2,0 - 3,0	3200	4600	01019006008
	10					250	1.500	3,0 - 5,0			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

Note: We manufacture blind rivets aluminium/inox with countersunk head under request. For detailed information on minimum quantities and delivery please contact your local BRALO representative.

Note: This range of rivets is available in an infinity of lacquering under request.

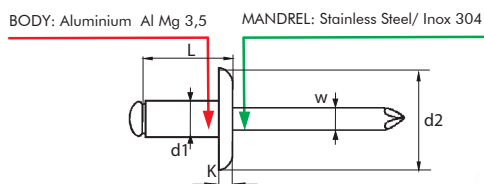


www.bralo.com

REHACHES - BLIND RIVETS - RIVETS - BLINDNIETE - RIVETTI - REBITES
TUECAS REMACHABLES - INSERT NUTS - ECROUS À SERTIR - BLINDNIETMUTTERN - INSERTI - PORCAS A REBITAR

ALUMINIUM/STAINLESS STEEL A2

STANDARD RIVET Large head



d1 Ø mm	L Nominal mm	 mm	d2 Ø mm	K mm	W Ø mm	PACKAGING  Inner  Outer		 MIN. E mm MÁX.	 (N)	 (N)	REFERENCE
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					200	2.000	14,5 - 16,5			01049004020
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					150	600	25,0 - 30,0			01039004835
4,8	10	4,90	16,00	1,80	2,65	250	1.500	3,5 - 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					200	1.200	12,0 - 14,0			01049004818
	21					150	900	14,0 - 17,0			01049004821
	24					150	900	17,0 - 20,0			01049004824
	27					150	900	20,0 - 23,0			01049004827
	30					150	900	23,0 - 25,0			01049004830
	35					100	600	25,0 - 30,0			01049004835
5,0	8	5,10	14,00	1,80	2,65	250	1.500	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

Note: Under request we do manufacture blind rivets aluminium/inox 4,8mm and 5,0mm with head (d2) to 11mm.

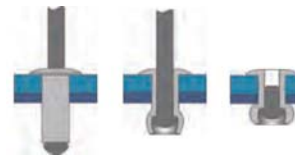
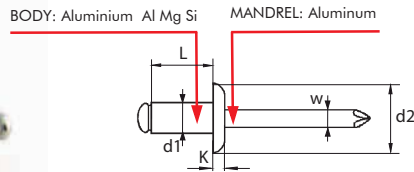
Note: This range of rivets is available in an infinity of lacquering under request.



STANDARD RIVET

Dome head

ALUMINIUM/ALUMINUM



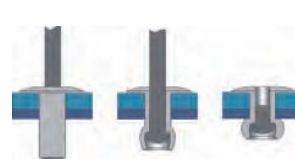
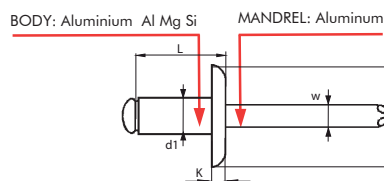
d1 Ø mm	L Nominal mm		d2 Ø mm	K mm	W Ø mm	PACKAGING				REFERENCE		
		mm	mm	mm	mm	Inner	Outer	MIN. mm	MÁX. mm	(N)	(N)	
3,2	6	3,30	6,40	1,00	1,95	500	4.000	1,5 - 3,5		450	550	01160003206
	8					500	4.000	3,5 - 5,0				01160003208
	10					500	4.000	5,0 - 7,0				01160003210
	12					500	4.000	7,0 - 9,0				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		680	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		1000	1300	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

Note: Under request we do manufacture blind rivets aluminium/aluminium with countersunk head (d2). For detailed information on minimum quantities and delivery please contact your local BRALO representative.

STANDARD RIVET

Large head

ALUMINIUM/ALUMINUM

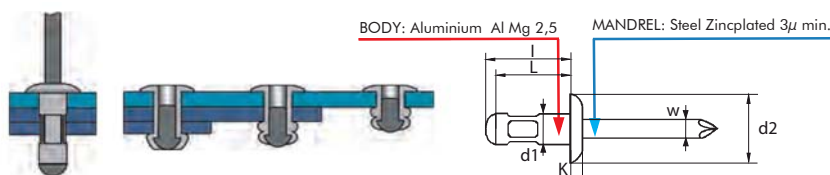


d1	L		d2	K	W	PACKAGING				REFERENCE				
Ø	Nominal	mm	Ø	mm	mm	Ø	mm	 Inner	 Outer	 MIN. mm	 MÁX. mm	 (N)	 (N)	
4,8	10	4,90	14,00	1,80	2,95	250	1.500	4,0 - 6,0		1000	1300			01180004810
	12					250	1.500	6,0 - 8,0						01180004812
	14					250	1.500	8,0 - 10,0						01180004814
	16					250	1.500	10,0 - 12,0						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	1,80	2,95		1.500	4,0 - 6,0		1000	1300			G1180004810

ALUMINIUM/STEEL

MULTIGRIP RIVET

Dome head



d1 Ø mm	L Nominal mm		d2 Ø mm	K mm	W Ø mm	PACKAGING			I Max. mm	(N)	(N)	REFERENCE
						Inner	Outer	MIN. E mm	MAX. E mm			
3,2	8,0	3,30-3,50	6,20	1,10	1,80	500	4.000	0,5 - 5,0	10,10	630	980	01080003208
	9,5					500	4.000	1,5 - 6,5	11,60			01080003209
	11,0					500	4.000	4,0 - 8,0	13,10			01080003211
4,0	6,8	4,10-4,30	8,20	1,40	2,20	500	4.000	0,5 - 3,5	9,10	1200	1600	010800040068
	9,5					500	3.000	1,0 - 6,0	11,80			01080004009
	12,5					500	3.000	4,0 - 9,0	14,80			01080004012
	16,5					500	3.000	6,0 - 13,0	18,80			01080004016
4,8	10,5	4,90-5,10	9,90	1,80	2,75	250	2.000	1,5 - 6,5	13,10	1500	2400	01080004810
	15,0					250	2.000	4,5 - 11,0	17,60			01080004815
	16,5					250	1.500	6,5 - 13,0	19,10			01080004816
	19,5					250	1.500	8,5 - 16,0	22,10			01080004819
	24,5					200	1.200	12,5 - 20,0	27,10			01080004824

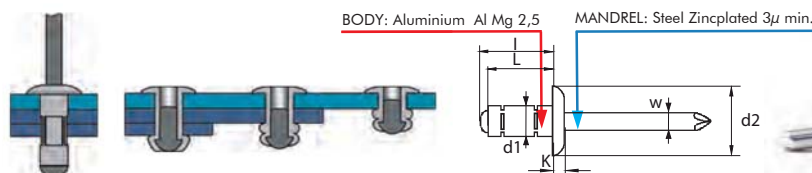
d1 Ø mm	L Nominal mm	PAINTED WHITE RAL 9010 REFERENCE	PAINTED BLACK RAL 9005 REFERENCE	REST OF THE PAINTED COLOURS REFERENCE	PACKAGING	
					Inner	Outer
3,2	8,5	01080 BL3208	01080 N03208	01080 3208	500	4.000
	11,0	01080 BL3211	01080 N03211	01080 3211	500	4.000
4,0	6,8	01080 BL40068	01080 N040068	01080 40068	500	4.000
	9,5	01080 BL4009	01080 N04009	01080 4009	500	3.000
	12,5	01080 BL4012	01080 N04012	01080 4012	500	3.000
	16,5	01080 BL4016	01080 N04016	01080 4016	500	3.000
4,8	10,5	01080 BL4810	01080 N04810	01080 4810	250	2.000
	15,0	01080 BL4815	01080 N04815	01080 4815	250	2.000
	16,5	01080 BL4816	01080 N04816	01080 4816	250	1.500
	24,5	01080 BL4824	01080 N04824	01080 4824	200	1.200



ALUMINIUM/STEEL

MULTIGRIP RIVET

Dome head

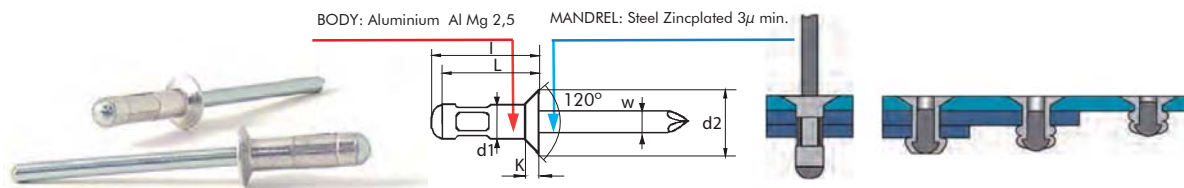


d1 Ø mm	L Nominal mm		d2 Ø mm	K mm	W Ø mm	PACKAGING			I Max. mm	(N)	(N)	REFERENCE
						Inner	Outer	MIN. E mm	MAX. E mm			
6,4	12	6,50	13,00	1,80	3,60	250	1.500	1,0 - 6,0	16,80	2800	4000	01080006412
	15					200	1.200	4,0 - 9,0	19,80			01080006415
	18					200	1.200	6,0 - 12,0	22,80			01080006418

MULTIGRIP RIVET

Countersunk head 120°

ALUMINIUM/STEEL

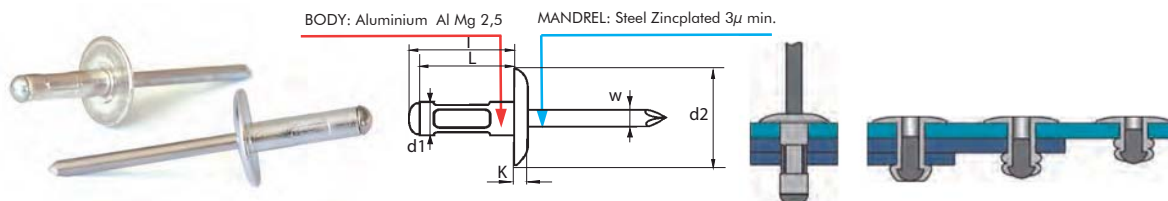


d1 Ø mm	L Nominal mm		d2 Ø mm	K mm	W Ø mm	PACKAGING  Inner  Outer		 MIN. E mm MAX.	I Max. mm	 (N)	 (N)	REFERENCE
3,2	9,5	3,30-3,50	5,80	1,10	1,80	500	4.000	1,5 - 6,0	11,00	700	980	01090003209
4,0	11,0	4,10-4,30	7,30	1,30	2,20	500	3.000	2,0 - 8,0	13,80	1200	1600	01090004011
4,8	12,0 16,5	4,90-5,10	8,80	1,60	2,75	250 250	2.000 1.500	2,0 - 7,5 6,0 - 12,0	16,00 20,00	1500	2400	01090004812 01090004816

MULTIGRIP RIVET

Large head

ALUMINIUM/STEEL



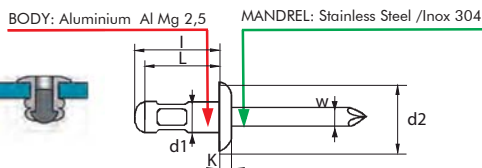
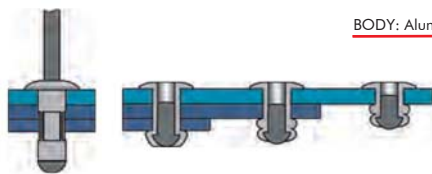
d1 Ø mm	L Nominal mm		d2 Ø mm	K mm	W Ø mm	PACKAGING  Inner  Outer		 MIN. E mm MAX.	I Max. mm	 (N)	 (N)	REFERENCE
3,2	8,0	3,30-3,50	9,5	1,10	1,80	500	4.000	0,5 - 5,0	10,00	650	1000	01100003208
4,0	13,0 16,0	4,10-4,30	12,0	1,40	2,20	250 250	2.000 2.000	3,0 - 9,0 6,0 - 13,0	15,30 18,80	1050	1500	01100004013 01100004016
4,8	10,5 17,0 25,0	4,90-5,10	16,0	1,80	2,75	150 150 100	900 900 600	1,5 - 6,0 6,0 - 12,5 12,0 - 19,5	13,10 19,60 27,60	1500	2400	01100004810 01100004817 01100004825

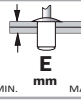


d1 Ø mm	L Nominal mm	PAINTED WHITE RAL 9010 REFERENCE	PAINTED BLACK RAL 9005 REFERENCE	REST OF THE PAINTED COLOURS REFERENCE	PACKAGING  Inner  Outer	
4,0	13,0 16,0	01100 BL4013 01100 BL4016	01100 N04013 01100 N04016	01100 4013 01100 4016	250	2.000 2.000
4,8	10,5 17,0 25,0	01100 BL4810 01100 BL4817 01100 BL4825	01100 N04810 01100 N04817 01100 N04825	01100 4810 01100 4817 01100 4825	150 150 100	900 900 600

ALUMINIUM/STAINLESS STEEL A2

MULTIGRIP RIVET Dome head



d1 Ø mm	L Nominal mm		d2 Ø mm	K mm	W mm	PACKAGING			I Max. mm			REFERENCE
		mm				Inner	Outer	MIN. mm	MAX. mm	(N)	(N)	
3,2	8,0	3,30-3,50	6,20	1,10	1,80	500	4.000	0,5 - 5,0	10,50	650	1000	01089003208
	11,0					500	4.000	4,0 - 8,0	13,00			01089003211
4,0	6,8	4,10-4,30	8,20	1,40	2,20	500	4.000	0,5 - 3,5	9,10	1200	1600	010890040068
	9,5					500	3.000	1,0 - 6,0	11,80			01089004009
	12,5					500	3.000	4,0 - 9,0	16,80			01089004012
	16,5					500	3.000	6,0 - 13,0	18,80			01089004016
4,8	10,5	4,90-5,10	9,90	1,80	2,75	250	2.000	1,5 - 6,5	13,10	1500	2400	01089004810
	15,0					250	2.000	4,5 - 11,0	17,60			01089004815
	16,5					250	1.500	6,5 - 13,0	19,10			01089004816
	24,5					200	1.200	12,5 - 20,0	22,10			01089004824

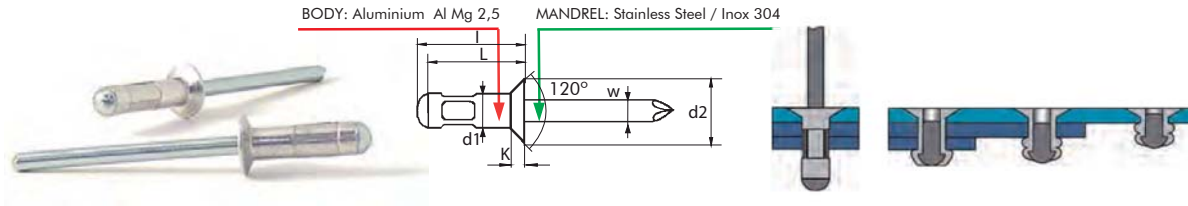
d1 Ø mm	L Nominal mm	PACKAGING		PAINTED COLOURS	
		Inner	Outer	REFERENCE	
3,2	8,5	500	4.000	01089 3208	
	11,0	500	4.000	01089 3211	
4,0	6,5	500	4.000	01089 4006	
	9,5	500	3.000	01089 4009	
	12,5	500	3.000	01089 4012	
	16,5	500	3.000	01089 4016	
4,8	10,5	250	2.000	01089 4810	
	15,0	250	2.000	01089 4815	
	16,5	250	1.500	01089 4816	
	24,5	200	1.200	01089 4824	



MULTIGRIP RIVET

Countersunk head 120°

ALUMINIUM/STAINLESS STEEL A2

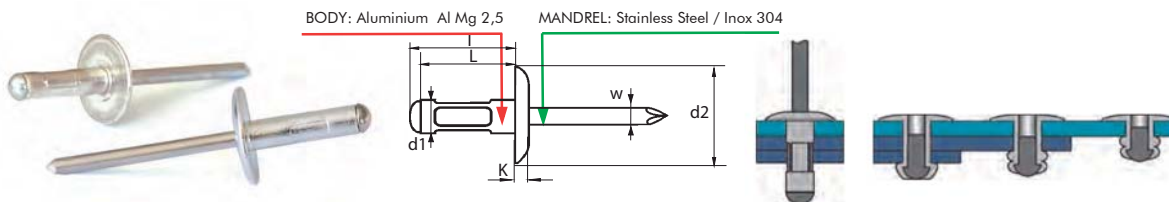


d1 Ø mm	L Nominal mm		d2 Ø mm	K mm	W Ø mm	PACKAGING			I Max. mm			REFERENCE
		mm				Inner	Outer	MIN. E mm	MÁX. E mm	(N)	(N)	
3,2	9,5	3,30-3,50	5,80	1,10	1,80	500	4.000	1,5 - 6,0	11,00	700	980	01099003209
4,0	11,0	4,10-4,30	7,30	1,30	2,20	500	3.000	2,0 - 8,0	12,80	1200	1600	01099004011
4,8	12,0 16,5	4,90-5,10	8,80	1,60	2,75	500 250	3.000 1.500	2,0 - 7,5 6,0 - 12,0	14,20 18,70	1500	2400	01099004812 01099004816

MULTIGRIP RIVET

Large head

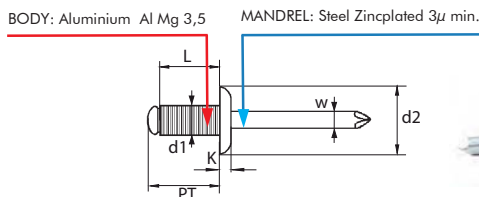
ALUMINIUM/STAINLESS STEEL A2



d1 Ø mm	L Nominal mm		d2 Ø mm	K mm	W Ø mm	PACKAGING			I Max. mm			REFERENCE
		mm				Inner	Outer	MIN. E mm	MÁX. E mm	(N)	(N)	
4,8	10,5 17,0 19,0 25,0	4,90-5,10	16,0	1,80	2,75	200 150 150 100	1.200 900 900 600	1,5 - 6,0 6,0 - 12,5 8,5 - 16,0 12,0 - 19,5	13,10 19,60 21,60 27,60	1500	2400	01109004810 01109004817 01109004819 01109004825

ALUMINIUM/STEEL

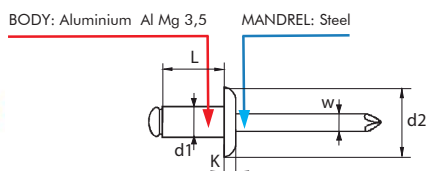
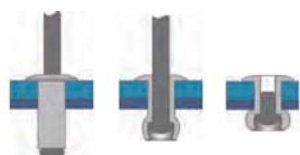
GROOVED RIVET Dome head



d1 Ø mm	L Nominal mm		d2 Ø mm	K mm	W Ø mm	PACKAGING					REFERENCE	PT (Drill Depth) mm
		mm				Inner	Outer	MIN. mm	MÁX. mm	(N)	(N)	
3,2	10	3,50	6,50	0,80	1,80	500	4.000	6,0	700	1100	01700003210	13
4,0	8	4,30	8,00	1,00	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	5,10	9,50	1,10	2,73	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
	18					250	1.500	13,0			01700004818	21
	21					250	1.500	15,0			01700004821	24
	24					200	1.200	20,0			01700004824	27

ALUMINIUM/STEEL

SOFT MATERIALS RIVET Dome head



d1 Ø mm	L Nominal mm		d2 Ø mm	K mm	W Ø mm	PACKAGING					REFERENCE
		mm				Inner	Outer	MIN. mm	MÁX. mm	(N)	(N)
4,0	6	4,10	8,00	1,00	2,20		7.000	1,5 - 3,0	1200	1800	G1350004006
	8						7.000	3,0 - 5,0			G1350004008
	10						7.000	5,0 - 6,5			G1350004010
	12						5.000	6,5 - 8,5			G1350004012
	14						5.000	8,5 - 10,5			G1350004014
	16						5.000	10,5 - 12,5			G1350004016
	18						5.000	12,5 - 14,5			G1350004018
	20						5.000	14,5 - 16,5			G1350004020
4,8	6	4,90	9,50	1,10	2,73		4.000	0,5 - 3,0	2000	2700	G1350004806
	8						3.500	3,0 - 4,5			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						1.000	23,0 - 25,0			G1350004830

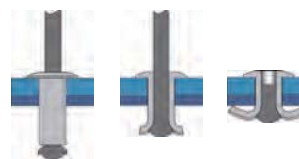
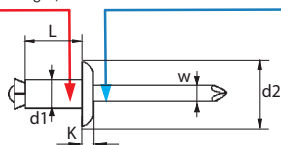
PEELED RIVET

Dome head

ALUMINIUM/STEEL



BODY: Aluminium Al Mg 3,5 MANDREL: Steel Zincplated 3μ min.



d1 Ø mm	L Nominal mm		d2 Ø mm	K mm	W Ø mm	PACKAGING			E mm	MIN.	MAX.	(N)	(N)	REFERENCE
3,2	8	3,40	6,50	0,80	1,80	500	4.000		3,5			880	1150	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			1600	1800	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					150	900		27,0					01130004832
	35					150	900		30,0					01130004835
	40					150	900		32,0					01130004840
	45					100	600		37,0					01130004845
	50					100	600		42,0					01130004850
5,0 *	40	5,20	9,30	1,50	2,73	150	900		32,0			2000	2100	01130005040
	45					100	600		37,0					01130005045
	50					100	600		42,0					01130005050
	55					100	600		47,0					01130005055
	60						500		52,0					01130005060
	65						500		57,0					01130005065
	70						500		62,0					01130005070
	75						500		68,0					01130005075
	80						500		72,0					01130005080
	90						500		80,0					01130005090
	100						500		90,0					01130005100
	110						500	100,0						011300050110
	120						500	110,0						011300050120
	130						250	120,0						011300050130
	140						250	130,0						011300050140
	150						250	140,0						011300050150
	160						250	150,0						011300050160
	170						250	160,0						011300050170
	180						250	170,0						011300050180
	190						250	180,0						011300050190
6,4 *	35	6,60	13,00	2,00	3,50	100	600		25,0			2450	3500	01130006435
	50						500		40,0					01130006450
	80						250		70,0					01130006480
	100						250		90,0					011300064100
	120						250		110,0					011300064120
	150						250		140,0					011300064150
	175						200		165,0					011300064175
	190						200		180,0					011300064200

*Note: Peeled rivets with body in aluminium Al Mg 3.



d1 Ø mm	L Nominal mm	PAINTED BLACK RAL 9005	REST OF THE PAINTED COLOURS	PACKAGING	
		REFERENCE	REFERENCE	Inner	Outer
4,0	8	01130 N04008	01130 4008	500	4.000
	10	01130 N04010	01130 4010	500	4.000
	12	01130 N04012	01130 4012	500	3.000
	14	01130 N04014	01130 4014	500	3.000
	16	01130 N04016	01130 4016	500	3.000
	18	01130 N04018	01130 4018	500	3.000
	20	01130 N04020	01130 4020	500	3.000
4,8	10	01130 N04810	01130 4810	500	3.000
	12	01130 N04812	01130 4812	500	3.000
	14	01130 N04814	01130 4814	250	2.000
	16	01130 N04816	01130 4816	250	2.000
	18	01130 N04818	01130 4818	250	1.500
	21	01130 N04821	01130 4821	250	1.500
	24	01130 N04824	01130 4824	200	1.200
	27	01130 N04827	01130 4827	200	1.200
	30	01130 N04830	01130 4830	200	1.200
	35	01130 N04835	01130 4835	150	900

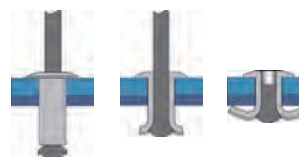
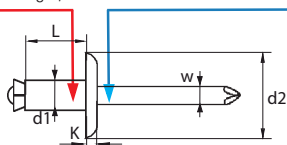
PEELED RIVET

Large head

ALUMINIUM/STEEL



BODY: Aluminium Al Mg 3,5 MANDREL: Steel Zincplated 3μ min.



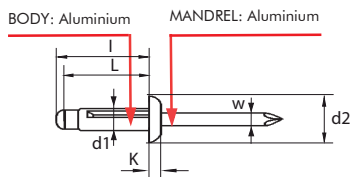
d1 Ø mm	L Nominal mm		d2 Ø mm	K mm	W Ø mm	PACKAGING  		 E mm MIN. MAX.	 (N)	 (N)	REFERENCE
4,0	8	4,20	12,00	1,40	2,20	500	3.000	4,0	1750	1450	01150004008
	10					500	3.000	6,0			01150004010
	12					250	2.000	8,0			01150004012
	14					250	2.000	10,0			01150004014
	16					250	1.500	12,0			01150004016
	18					250	1.500	14,0			01150004018
	20					250	1.500	16,0			01150004020
4,8	10	5,00	14,00	1,80	2,73	250	1.500	5,0	2100	1570	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
4,8	21	5,00	11,00	1,80	2,73	250	1.500	16,0	2100	1570	01131004821



d1 Ø mm	L Nominal mm	PAINTED BLACK RAL 9005 REFERENCE	REST OF THE PAINTED COLOURS REFERENCE	PACKAGING  	
4,0	8	01140 N04008	01140 4008	500	3.000
	10	01140 N04010	01140 4010	500	3.000
	12	01140 N04012	01140 4012	250	2.000
	14	01140 N04014	01140 4014	250	2.000
	16	01140 N04016	01140 4016	250	1.500
	18	01140 N04018	01140 4018	250	1.500
	20	01140 N04020	01140 4020	250	1.500
4,8	10	01140 N04810	01140 4810	250	1.500
	12	01140 N04812	01140 4812	250	1.500
	14	01140 N04814	01140 4814	250	1.500
	16	01140 N04816	01140 4816	250	1.500
	18	01140 N04818	01140 4818	200	1.200
	21	01140 N04821	01140 4821	200	1.200
	24	01140 N04824	01140 4824	150	900
	27	01140 N04827	01140 4827	150	900
	30	01140 N04830	01140 4830	150	900
	35	01140 N04835	01140 4835	100	600

ALUMINIUM/ALUMINIUM

TREBOL RIVET Dome head



d1 Ø mm	L Nominal mm		d2 Ø mm	K mm	W Ø mm	PACKAGING  		 E mm	I Max. mm	 (N)	 (N)	REFERENCE
4,0	10,5	4,20-4,50	8,00	1,40	2,40	250	2.000	0,5 - 2,5	12,30	730	950	01610004010
	13,6					250	2.000	1,0 - 3,0	15,40			01610004013
	18,8					250	2.000	1,0 - 7,0	20,60			01610004018
	20,4					250	1.500	1,0 - 8,5	22,20			01610004020
	24,5					250	1.500	4,0 - 12,0	26,30			01610004024
4,8	15,3	5,00-5,30	10,00	1,60	2,82	250	2.000	1,0 - 4,0	16,70	900	1150	01610004815
	20,5					250	1.500	1,0 - 9,0	21,90			01610004820
	24,5					200	1.200	4,0 - 12,0	25,90			01610004824
	28,0					200	1.200	6,0 - 16,0	29,40			01610004828

d1 Ø mm	L Nominal mm	PAINTED WHITE RAL 9010 REFERENCE	PAINTED BLACK RAL 9005 REFERENCE	REST OF THE PAINTED COLOURS REFERENCE	PACKAGING  	
4,0	10,5	01610 BL4010	01610 N04010	01610 4010	250	2.000
	13,6	01610 BL4013	01610 N04013	01610 4013	250	2.000
	18,8	01610 BL4018	01610 N04018	01610 4018	250	2.000
	24,5	01610 BL4024	01610 N04024	01610 4024	250	1.500
4,8	15,3	01610 BL4815	01610 N04815	01610 4815	250	2.000
	20,5	01610 BL4820	01610 N04820	01610 4820	250	1.500
	24,5	01610 BL4824	01610 N04824	01610 4824	200	1.200

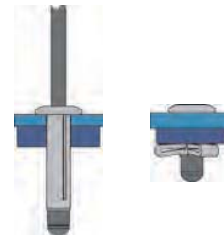
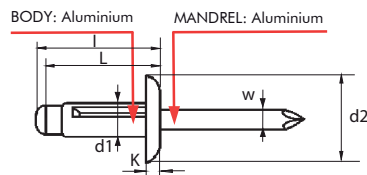


Note: Under request we do manufacture Trebol rivets with countersunk head (d2). For detailed information on minimum quantities and delivery please contact your local BRALO representative.

TREBOL RIVET

Large head

ALUMINIUM/ALUMINUM

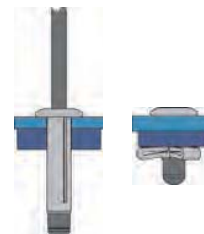
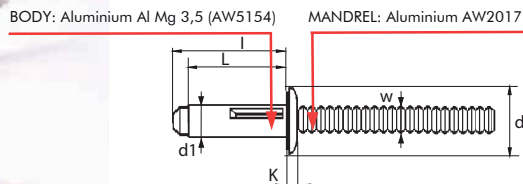


d1 Ø mm	L Nominal mm		d2 Ø mm	K mm	W Ø mm	PACKAGING			I Max. mm			REFERENCE
		mm				Inner	Outer	MIN. E mm	MAX. mm	(N)	(N)	
4,0	18,8	4,20-4,50	12,00	1,40	2,40	250	2.000	1,0 - 7,0	20,60	700	880	01640004018
4,8	20,5 24,5	5,00-5,30	14,00	1,60	2,82	200	1.200	1,0 - 9,0 4,0 - 12,0	21,90 25,90	900	1150	01630004820 01630004824
4,8	20,5	5,00-5,30	16,00	1,60	2,82	200	1.200	1,0 - 9,0	21,90	900	1150	01640004820

S-TREBOL RIVET

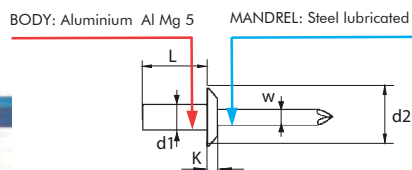
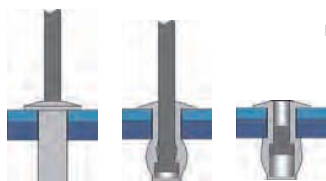
Dome head

ALUMINIUM/ALUMINUM



d1 Ø mm	L Nominal mm		d2 Ø mm	K mm	W Ø mm	PACKAGING			I Max. mm			REFERENCE
		mm				Inner	Outer	MIN. E mm	MAX. mm	(N)	(N)	
5,2	20,5* 26,5	5,30-5,60	11,40	2,00	3,10	250	1.500	0,5 - 5,0 4,5 - 11,0	23,75 29,75	3000	1700	01650005220 01650005226
6,4	23,5	6,50-6,70	14,00	2,60	3,40	150	900	1,5 - 6,5	28,50	4000	2500	01650006424
7,7	28,5	7,90-8,30	19,00	4,00	4,40		500	1,5 - 9,5	35,00	4800	4300	G1654007828

* Approved by DIBt (Deutsches Institut Für Bautechnik) N Z-14. 1-4.



UNE - EN ISO 15973

d1 Ø mm	L Nominal mm		d2 Ø mm	K mm	W Ø mm	PACKAGING  Inner  Outer	 E MIN. mm MÁX.	 (N)	 (N)	REFERENCE
3,2	6,5	3,30	6,40	1,10	1,65	500 4.000	0,5 - 2,0	1100	1450	01110003206
	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	8,0	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

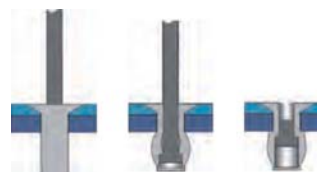
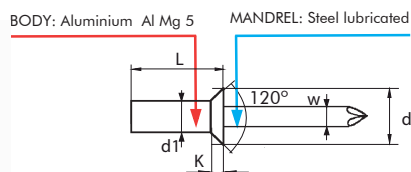
d1 Ø mm	L Nominal mm	PACKAGING  Inner  Outer		PAINTED COLOURS REFERENCE	
3,2	6,5	01110	3206	500	4.000
	8,0	01110	3208	500	4.000
	9,5	01110	3209	500	4.000
	11,0	01110	3211	500	4.000
	12,5	01110	3212	500	4.000
4,0	8,0	01110	4008	500	4.000
	9,5	01110	4010	500	4.000
	11,0	01110	4011	500	4.000
	12,5	01110	4013	500	3.000
	14,5	01110	4014	500	3.000
4,8	8,5	01110	4808	500	3.000
	9,5	01110	4810	500	3.000
	11,0	01110	4811	500	3.000
	13,0	01110	4813	250	2.000
	14,5	01110	4814	250	2.000
	16,0	01110	4816	250	2.000
	18,0	01110	4818	250	1.500
	21,0	01110	4821	250	1.500
	25,0	01110	4825	200	1.200



SEALED RIVET

Countersunk head 120°

ALUMINIUM/STEEL



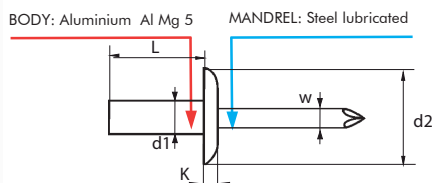
UNE - EN ISO 15974

d1 Ø mm	L Nominal mm		d2 Ø mm	K mm	W Ø mm	PACKAGING		 E mm MIN. MÁX.	 (N)	 (N)	REFERENCE
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

SEALED RIVET

Large head

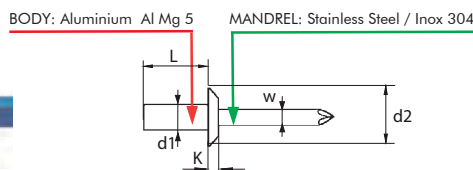
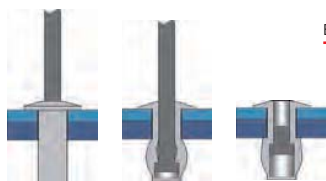
ALUMINIUM/STEEL



d1 Ø mm	L Nominal mm		d2 Ø mm	K mm	W Ø mm	PACKAGING		 E mm MIN. MÁX.	 (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

ALUMINIUM/STAINLESS STEEL A2

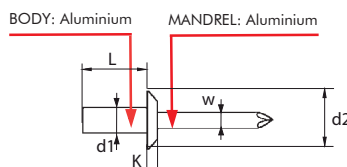
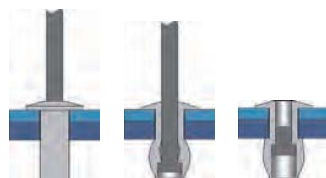
SEALED RIVET Dome head



d1 Ø mm	L Nominal mm		d2 Ø mm	K mm	W Ø mm	PACKAGING  Inner  Outer	 E mm MIN. MAX.	 (N) (N)	 (N) (N)	REFERENCE
3,2	6,5	3,30	6,40	1,00	1,70	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	8,0	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

ALUMINIUM/ALUMINIUM

SEALED RIVET Dome head



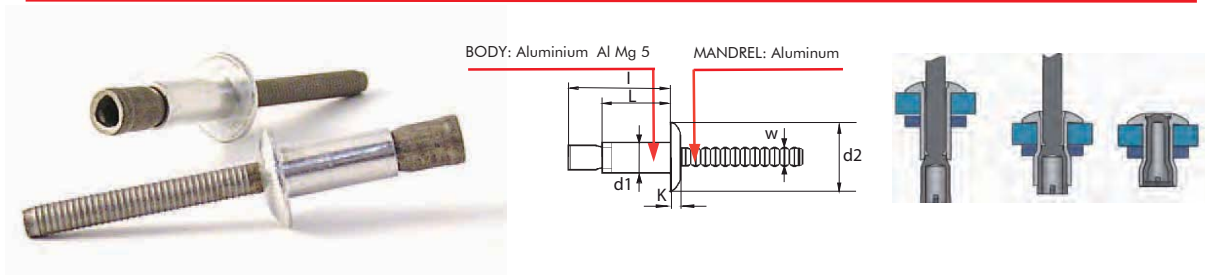
UNE - EN ISO 15975

d1 Ø mm	L Nominal mm		d2 Ø mm	K mm	W Ø mm	PACKAGING  Inner  Outer	 E mm MIN. MAX.	 (N) (N)	 (N) (N)	REFERENCE
3,2	8,0	3,30	6,40	1,00	1,80	500 4.000	0,5 - 2,0	460	540	01190003208
	9,5					500 4.000	2,0 - 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	9,5	4,90	9,30	1,70	2,65	500 3.000	3,5 - 5,0	1000	1400	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

STRUCTURAL RIVET

Dome head

ALUMINIUM/ALUMINUM



d1 Ø mm	L Nominal mm		d2 Ø mm	K mm	W Ø mm	PACKAGING  	 E mm MIN. MÁX.	I Max. mm	 (N)	 (N)	REFERENCE
4,8	10,3 13,5	4,90-5,10	9,60	1,70	3,00	2.000 1.500	1,5 - 6,8 1,5 - 11,0	18,0 24,0	2930	2550	G180100 4810 G180100 4813
6,5	14,0 20,0	6,60-7,00	13,00	2,50	4,00	1.000 1.000	1,0 - 9,5 2,0 - 16,0	25,0 35,0	6000	4200	G180100 6514 G180100 6520

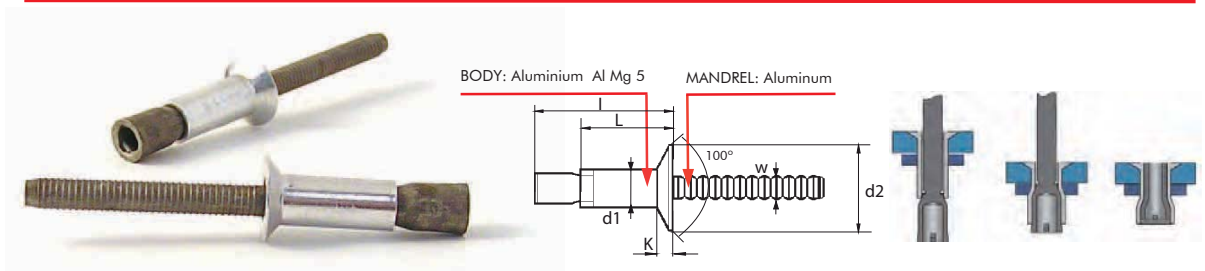


Note: This product needs to be set with a special nosepiece.
For installation information please contact your local BRALO representative

STRUCTURAL RIVET

Countersunk head 100°

ALUMINIUM/ALUMINUM



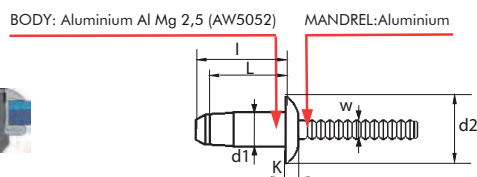
d1 Ø mm	L Nominal mm		d2 Ø mm	K mm	W Ø mm	PACKAGING  	 E mm MIN. MÁX.	I Max. mm	 (N)	 (N)	REFERENCE
6,5	16,5	6,60-7,00	10,10	1,50	4,00	1.000	3,2 - 12,0	26,5	6000	4200	G180200 6516



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

ALUMINIUM/ALUMINIUM

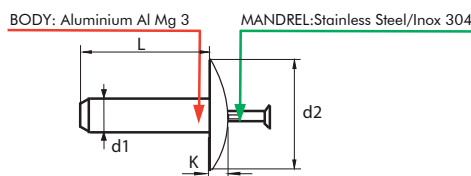
HARDLOCK RIVET Dome head



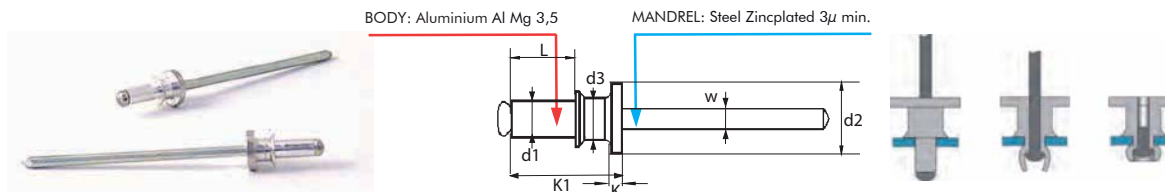
d1 Ø mm	L Nominal mm		d2 Ø mm	K mm	W Ø mm	PACKAGING  	 E MIN. m/m MAX.	Max. m/m	 (N)	 (N)	REFERENCE
6,4	10,5	6,70-6,90	13,10	2,60	4,20	1.500	2,8 - 4,8	15,0	5000	2800	G1881006410
	12,5					1.000	4,8 - 6,8	17,0	5200	2800	G1881006412
	14,5					1.000	6,8 - 8,8	19,0	5400	2800	G1881006414
	16,5					1.000	8,8 - 10,8	21,0	5400	2800	G1881006416
	18,5					1.000	10,8 - 12,8	23,0	5400	2800	G1881006418

ALUMINIUM/STAINLESS STEEL A2

DRIVE RIVET Large head



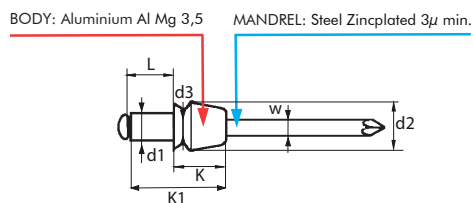
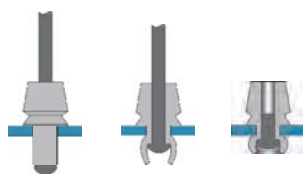
d1 Ø mm	L Nominal mm		d2 Ø mm	K mm	W Ø mm	PACKAGING  	 E MIN. mm MAX.	 (N)	 (N)	REFERENCE
4,8	7,6	5,0(+0,2)	16,00	1,50		5.000	2,9 - 4,4	3500	1900	G1509004808
	10,2					4.000	4,4 - 7,0			G1509004810
	12,7					4.000	7,0 - 9,5			G1509004813
	15,3					4.000	9,5 - 12,1			G1509004815
	17,8					4.000	12,1 - 14,6			G1509004818
	20,3					3.000	14,6 - 17,1			G1509004820
	22,9					3.000	17,1 - 19,7			G1509004823
	25,4					3.000	19,7 - 22,2			G1509004825
	27,9					3.000	22,2 - 24,8			G1509004828
	30,4					2.500	24,8 - 26,5			G1509004830
	35,0					2.000	29,1 - 31,5			G1509004835
	40,0					1.500	34,1 - 36,5			G1509004840
	50,0					1.500	44,2 - 46,5			G1509004850



d1 Ø mm	L Nominal mm		d2 Ø mm	d3 Ø mm	K1 mm	K mm	W Ø mm	PACKAGING  Inner  Outer	 MIN. E mm MAX.	 (N)	 (N)	REFERENCE
2,4	5,0	2,50	5,00	3,00	8,50	1,00		1.000 8.000	3,0	340	490	01900002405



Note: we manufacture profile clinchers for special applications. For detailed information on minimum quantities and delivery please contact your local BRALO representative.



d1 Ø mm	L Nominal mm		d2 Ø mm	d3 Ø mm	K1 mm	K mm	W Ø mm	PACKAGING  Inner  Outer	 E mm MIN. MÁX.	 (N)	 (N)	REFERENCE
3,0	5,0	3,10	4,30	3,60	11,00	6,00	1,80	500 4.000	3,0	350	500	01900003005

d1 Ø mm	L Nominal mm		d2 Ø mm	d3 Ø mm	K1 mm	K mm	W Ø mm	PACKAGING  Inner  Outer	 E mm MIN. MÁX.	 (N)	 (N)	REFERENCE
3,9	7,5	4,10	6,50	3,60	13,50	5,90	2,10	500 3.000	5,0	1700	2000	019000039076

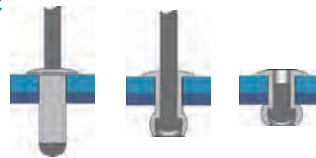
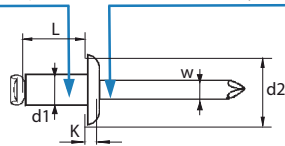
STANDARD RIVET

Dome head

STEEL/STEEL



BODY: Steel Zincplated 7μ min. MANDREL: Steel Zincplated 3μ min.

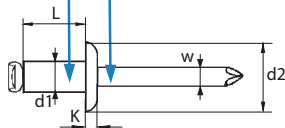


UNE - EN ISO 15979

d1 Ø mm	L Nominal mm		d2 Ø mm	K mm	W Ø mm	PACKAGING					REFERENCE	
		mm	mm	mm	mm	Inner	Outer	MIN. mm	MAX.	(N)	(N)	
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	3,0 - 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	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
	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



BODY: Steel Zincplated 7μ min. MANDREL: Steel Zincplated 3μ min.



UNE - EN ISO 15979

d1 Ø mm	L Nominal mm	 mm	d2 Ø mm	K mm	W Ø mm	PACKAGING		 MIN. E mm MÁX.	 (N)	 (N)	REFERENCE
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
	60					100	600	49,0 - 54,0			01210005060
	65					100	600	54,0 - 59,0			01210005065
6,0	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					100	600	24,0 - 29,0			01210006435



Note: For detailed information on protective coatings such as zinc-nickel and zinc-nickel with black ending please contact your local BRALO representative.

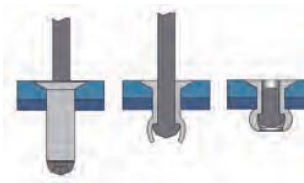
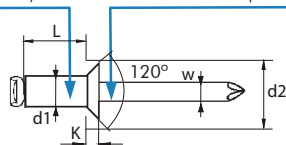
STANDARD RIVET

Countersunk head 120°

STEEL/STEEL

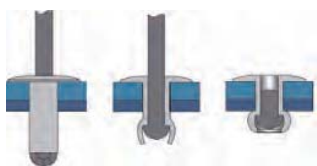


BODY: Steel Zincplated 7μ min. MANDREL: Steel Zincplated 3μ min.

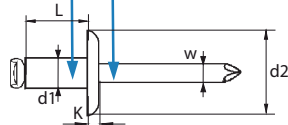


UNE - EN ISO 15980

d1 Ø mm	L Nominal mm	 mm	d2 Ø mm	K mm	W Ø mm	PACKAGING		 E m/m	 (N)	 (N)	REFERENCE
						Inner	Outer	MIN. MAX.			
3,2	6	3,30	6,30	1,10	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
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	10,0 - 12,0			01220004816
	18					250	1.500	12,0 - 14,0			01220004818
5,0	12	5,10	9,50	1,60	2,93	250	2.000	6,0 - 8,0	2900	3100	01220005012
	25					200	1.200	15,0 - 19,5			01220005025
6,4	10	6,50	12,50	2,00	3,85	250	1.500	3,0 - 4,0	4900	5700	01220006410
	12					250	1.500	4,0 - 6,0			01220006412
	13					250	1.500	5,0 - 7,0			01220006413
	14					250	1.500	6,0 - 8,0			01220006414
	16					250	1.500	8,0 - 10,0			01220006416
	28					150	900	17,0 - 22,0			01220006428



BODY: Steel Zincplated 7μ min. MANDREL: Steel Zincplated 3μ min.

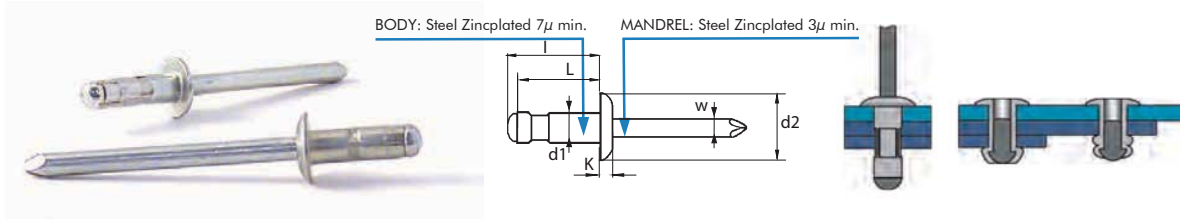


d1 Ø mm	L Nominal mm		d2 Ø mm	K mm	W Ø mm	PACKAGING		 MIN. E mm MÁX.	 (N)	 (N)	REFERENCE
4,0	6	4,10	10,00	1,40	2,40	500	3.000	1,5 - 3,0	1960	2350	01230004006
	8					500	3.000	3,0 - 5,0			01230004008
	10					500	3.000	5,0 - 6,5			01230004010
	12					500	3.000	6,5 - 8,5			01230004012
	14					500	3.000	8,5 - 10,5			01230004014
4,8	10	4,90	14,00	1,80	2,93	250	1.500	4,0 - 6,0	3100	4100	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 - 20,0			01230004824
	30					150	900	20,0 - 25,0			01230004830
	35					100	600	25,0 - 30,0			01230004835
4,8	10	4,90	16,00	1,80	2,93	250	1.500	4,0 - 6,0	3100	4100	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	12	6,50	19,00	2,50	3,90		1.000	2,0 - 6,0	5300	7000	G1240006412
	15						1.000	6,0 - 9,0			G1240006415
	18						1.000	9,0 - 12,0			G1240006418
	30						500	19,0 - 24,0			G1240006430

MULTIGRIP RIVET

Dome head

STEEL/STEEL

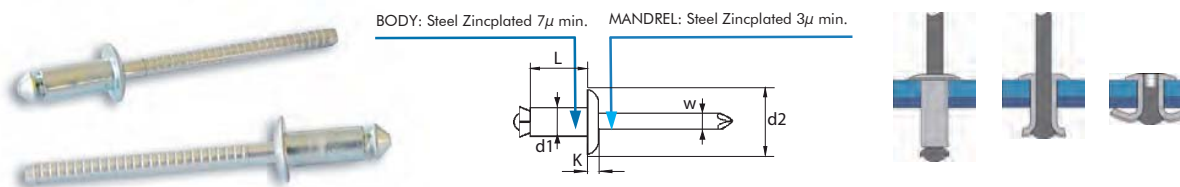


d1 Ø mm	L Nominal mm		d2 Ø mm	K mm	W Ø mm	PACKAGING		 E mm MIN. MÁX.	I Max. mm	 (N)	 (N)	REFERENCE
3,2	9,0	3,40	6,50	1,00	2,00	500	4.000	2,0 - 5,0	11,3	1400	1900	01280003209
	13,0					500	4.000	4,0 - 6,0	15,3			01280003213
4,0	11,0	4,10	8,00	1,40	2,75	500	3.000	2,0 - 5,0	14,2	1850	2500	01280004011
4,8	10,5	4,90	9,50	1,80	2,93	250	2.000	1,0 - 4,5	12,9	2000	3500	01280004810
	13,0					250	2.000	4,0 - 6,5	15,4			01280004813

PEELED RIVET

Dome head

STEEL/STEEL

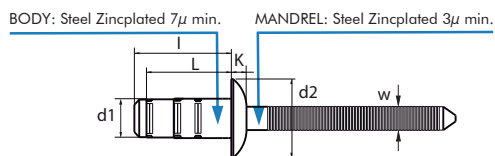
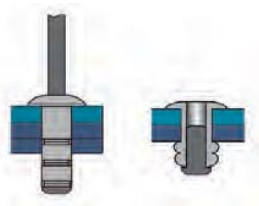


d1 Ø mm	L Nominal mm		d2 Ø mm	K mm	W Ø mm	PACKAGING		 E mm MIN. MÁX.	 (N)	 (N)	REFERENCE
4,2	9,0	4,30-4,40	7,80	1,20	2,45		3.000	5,0	1000	1200	G1850004009

STEEL/STEEL

HARDVEX RIVET

Dome head

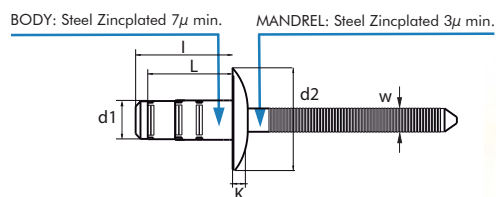
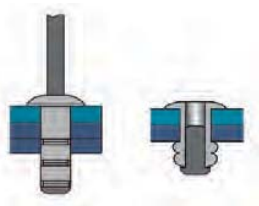


d1 Ø mm	L Nominal mm		d2 Ø mm	K mm	W Ø mm	PACKAGING  	 E mm MIN. MÁX.	I Max. m/m	 (N)	 (N)	REFERENCE
4,7	11,0	4,90	9,80	1,50	3,00	2.000	1,5 - 6,5	13,75	3500	3700	G1874004811
	14,5					2.000	1,5 - 9,0	17,50			G1874004814
	17,5					1.500	6,5 - 12,5	20,50			G1874004817
6,4	14,0	6,60	13,00	2,50	3,95	1.000	1,5 - 7,6	16,80	3100	3600	G1874006414

STEEL/STEEL

HARDVEX RIVET

Large head

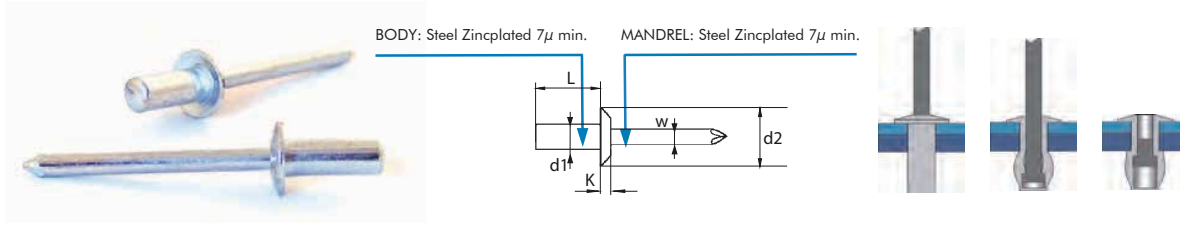


d1 Ø mm	L Nominal mm		d2 Ø mm	K mm	W Ø mm	PACKAGING  	 E mm MIN. MÁX.	I Max. m/m	 (N)	 (N)	REFERENCE
4,7	11,0	4,90	16,0	2,00	3,00		1,5 - 6,5	14,00	3500	3700	G1877004811
	14,5					1.000	1,5 - 9,0	17,50			G1877004814
	17,5						6,5 - 12,5	20,50			G1877004817

SEALED RIVET

Dome head

STEEL/STEEL



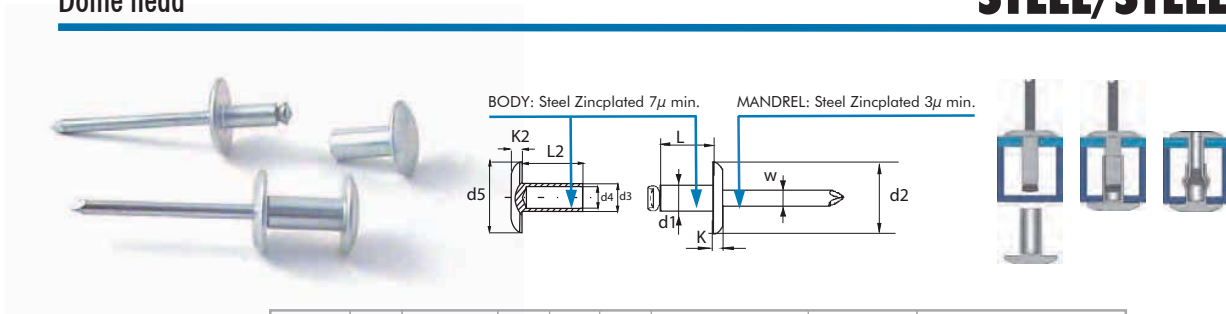
UNE - EN ISO 15976

d1 Ø mm	L Nominal mm		d2 Ø mm	K mm	W Ø mm	PACKAGING  		 E mm MIN. 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 - 5,0			01290004812

GRIPMATE RIVET

Dome head

STEEL/STEEL



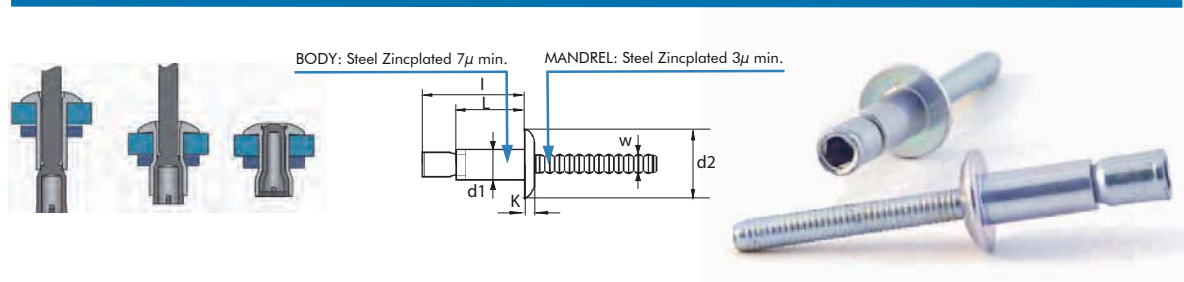
d1 Ø mm	L Nominal mm		d2 Ø mm	K mm	W Ø mm	PACKAGING  		 E mm MIN. MAX.	REFERENCE	
4,7	11,5	7,80	16,00	2,50	2,93		1.500	14,0 - 18,0	G1234004811	
	14,5						1.500	19,0 - 22,0	G1234004814	

d1 Ø mm	L2 Nominal mm		k2 mm	d3 Ø mm	d4 Ø mm	d5 Ø mm	PACKAGING  		 E mm	REFERENCE
6,3	14,5	6,40	2,50	6,30	5,00	16,00		1.500	14,0 - 18,0	G12340063145

STEEL/STEEL

STRUCTURAL RIVET

Dome head



d1 Ø mm	L Nominal mm		d2 Ø mm	K mm	W Ø mm	PACKAGING  Inner  Outer	 E mm MIN. MAX.	I Max. mm	 (N)	 (N)	REFERENCE
4,8	10,3	4,90-5,10	9,70	1,80	3,00	2.000	1,5 - 6,8	18,5	6400	5100	G182100 4810
	13,5					1.500	1,5 - 11,0	24,0			G182100 4813
6,5	14,0	6,60-7,00	13,00	2,50	4,00	1.000	2,0 - 9,5	25,0	11700	10400	G182100 6514
	20,0					1.000	2,0 - 16,0	35,0			G182100 6520
	22,0					1.000	6,0 - 18,0	37,0			G182100 6522
9,7	22,0	9,90-10,4	20,00	3,70	5,90	300	3,0 - 15,5	36,2	26300	17500	G182100 9722

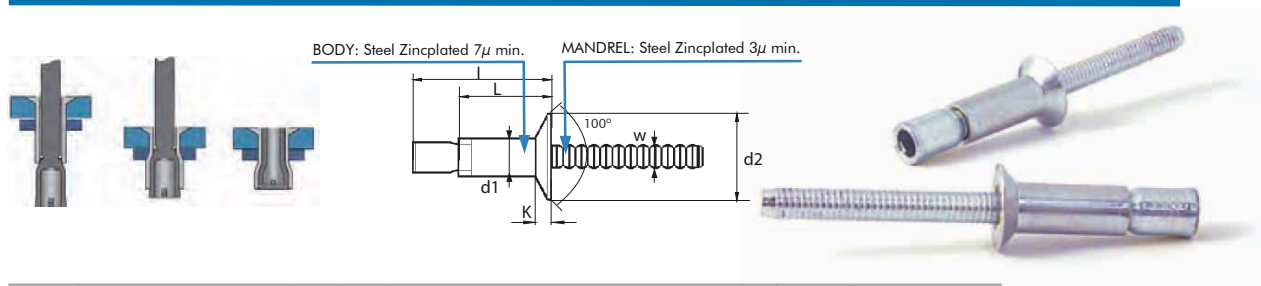


Note: This product needs to be set with a special nosepiece.
For installation information please contact your local BRALO representative

STEEL/STEEL

STRUCTURAL RIVET

Countersunk head 100°



d1 Ø mm	L Nominal mm		d2 Ø mm	K mm	W Ø mm	PACKAGING  Inner  Outer	 E mm MIN. MAX.	I Max. mm	 (N)	 (N)	REFERENCE
4,8	12,3	4,90-5,10	8,70	1,80	3,00	2.000	3,2 - 8,4	20,0	6400	5100	G182200 4812
	16,5					1.500	3,2 - 12,2	27,0			G182200 4816
6,5	16,5	6,60-7,00	10,10	2,00	4,00	1.000	3,0 - 12,0	28,5	11900	10500	G182200 6516
	22,5					1.000	6,0 - 18,0	37,5			G182200 6522

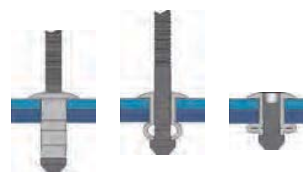
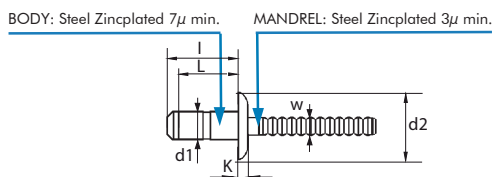


Note: This product needs to be set with a special nosepiece.
For installation information please contact your local BRALO representative

HARDGRIP RIVET

Dome head

STEEL/STEEL



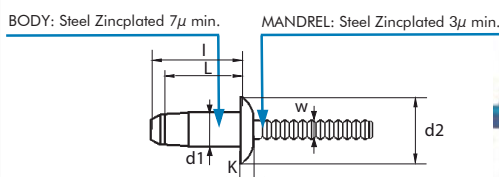
d1 Ø mm	L Nominal mm		d2 Ø mm	K mm	W Ø mm	PACKAGING  Inner  Outer	 E mm MIN. MAX.	I Max. mm	 (N)	 (N)	REFERENCE
3,2	7,0	3,30-3,50	6,50	1,00	2,00	500 4.000	1,0 - 3,0	10,00	1200	1300	01894003207
	9,5					500 4.000	3,0 - 5,0	12,00	1700	1300	01894003210
	11,5					500 3.000	5,0 - 7,0	15,00	2400	1300	01894003212
4,0	7,5	4,10-4,30	7,70	1,30	2,60	500 4.000	1,0 - 3,0	10,50	2400	2800	01894004008
	8,5					500 4.000	2,0 - 4,0	11,50	2600	2800	01894004009
	9,5					500 3.000	3,0 - 5,0	12,50	3500	2800	01894004010
	12,5					500 3.000	5,0 - 7,0	15,50	4100	2800	01894004013
4,8	9,5	4,90-5,10	9,20	1,50	3,00	500 3.000	1,5 - 3,5	12,00	3500	3800	01894004809
	11,5					250 2.000	3,5 - 6,0	14,60	4200	3800	01894004812
	14,5					250 2.000	6,0 - 8,5	17,60	5600	3800	01894004815
6,0	10,5	6,10-6,30	12,00	2,00	4,00	1.500	1,5 - 4,0	14,00	4200	5400	G1894006010
	13,5					1.500	3,0 - 6,0	17,00	5400	5400	G1894006013
	16,5					1.000	6,0 - 9,0	20,00	8500	5400	G1894006016
	19,5					1.000	9,0 - 12,0	23,00	8500	5400	G1894006019

Note: Under request we do manufacture Hardgrip rivets with countersunk head (d2).
Ask for price, minimum quantities and delivery.

HARDLOCK RIVET

Dome head

STEEL/STEEL

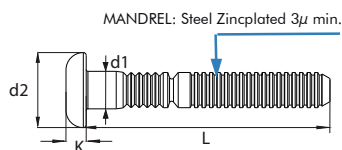
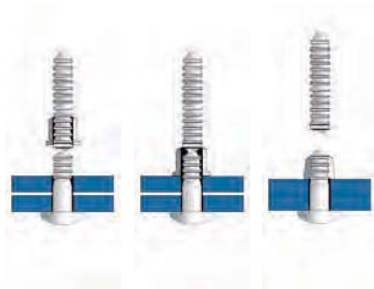


d1 Ø mm	L Nominal mm		d2 Ø mm	K mm	W Ø mm	PACKAGING  Inner  Outer	 E mm MIN. MAX.	I Max. mm	 (N)	 (N)	REFERENCE
6,4	10,5	6,70-6,90	13,10	2,60	4,00	1.500	2,8 - 4,8	15,0	12000	7000	G1884006410
	12,5					1.000	4,8 - 6,8	17,0	12500	7000	G1884006412
	14,5					1.000	6,8 - 8,8	19,0	14000	7000	G1884006414
	16,5					1.000	8,8 - 10,8	21,0	15000	7000	G1884006416
	18,5					1.000	10,8 - 12,8	23,0	16000	7000	G1884006418
	20,5					1.000	12,8 - 14,8	25,0	16000	7000	G1884006420

Note: Under request we do manufacture steel blind rivets with head (d2) to 19mm.

STEEL/STEEL

UNILOCK RIVET Lockbolt



d1 Ø mm	L Nominal mm		d2 Ø mm	K mm	PACKAGING Inner Outer	E mm MIN. MÁX.	(N)	(N)	REFERENCE
6,5	XX XX	6,60	13,0	3,50	2.000	*1,5 - 30,0			742100 65XX 762100 65XX

4 Grooves
6 Grooves

Note: This range of rivets are available under request, from a length of 3.7mm to 48 mm depending on the grip range required.

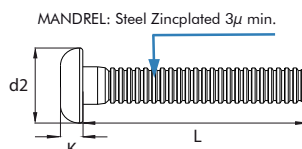
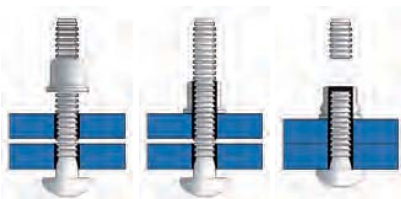


d1 Ø mm	L Nominal mm	PACKAGING Inner Outer	REFERENCE
10,3	9,0	2.000	732200 6509

d1 Ø mm	L Nominal mm	PACKAGING Inner Outer	REFERENCE
10,3	8,0	2.000	0732200 6508

STEEL/STEEL

BRALOCK RIVET Lockbolt



d1 Ø mm	L Nominal mm		d2 Ø mm	K mm	PACKAGING Inner Outer	E mm MIN. MÁX.	(N)	(N)	REFERENCE Mandrel
6,5	57,0	6,60	13,00	3,4	1.000	1,6 - 31,7	11800	16000	0782100 6557

d1 Ø mm	L Nominal mm	PACKAGING Inner Outer	REFERENCE collar
10,3	11,0	1.000	0732800 6511



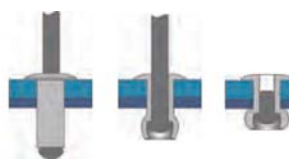
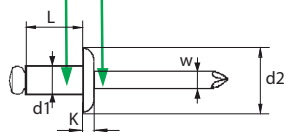
Note: Bralock is sold separately mandrel and collar.

STANDARD RIVET
Dome head

STAINLESS STEEL A2/STAINLESS STEEL A2



BODY: Stainless Steel /Inox 304 MANDREL: Stainless Steel /Inox 304



UNE - EN ISO 15983

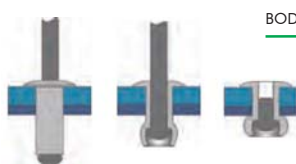
d1 Ø mm	L Nominal mm	 mm	d2 Ø mm	K mm	W Ø mm	PACKAGING  Inner  Outer		 MIN. mm MÁX.	 (N)	 (N)	REFERENCE
2,4	6	2,50	5,00	0,60	1,50	1.000	8.000	3,0 - 5,0	1000	1250	01260002406
	8					1.000	8.000	5,0 - 6,5			01260002408
	10					1.000	8.000	6,5 - 8,5			01260002410
	12					500	4.000	8,5 - 10,5			01260002412
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	2.000	16,0 - 21,0			01260004025
4,8	8	4,90	9,00	1,60	3,10	500	3.000	2,0 - 4,0	4000	5000	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	19,0 - 24,0			01260005030
	35					150	900	24,0 - 29,0			01260005035
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

Note: This range of rivets is available in an infinity of lacquering under request.

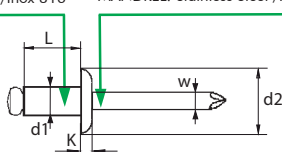
STAINLESS STEEL A4/STAINLESS STEEL A4

STANDARD RIVET

Dome head



BODY: Stainless Steel /Inox 316 MANDREL: Stainless Steel /Inox 316



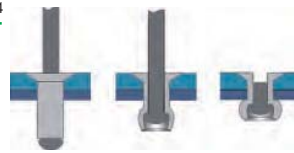
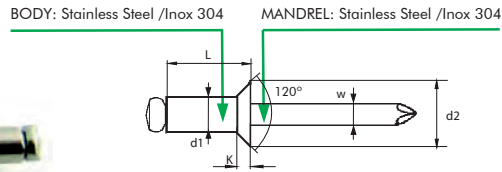
UNE - EN ISO 15983

d1 Ø mm	L Nominal mm	 mm	d2 Ø mm	K mm	W Ø mm	PACKAGING  Inner  Outer		 E mm MIN. MAX.	 (N)	 (N)	REFERENCE
3,2	6	3,30	6,40	1,00	2,10	500	4.000	0,5 - 3,0	1900	2500	01340003206
	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	14,0 - 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
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	24,0 - 29,0			01340005035

STANDARD RIVET

Countersunk head 120°

STAINLESS STEEL A2/STAINLESS STEEL A2

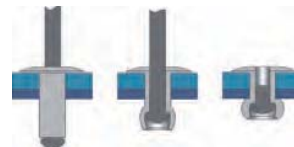
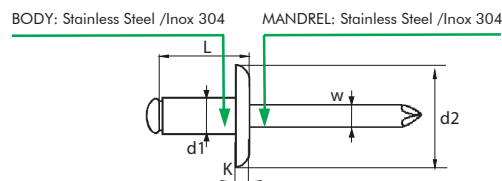


d1 Ø mm	L Nominal mm		d2 Ø mm	K mm	W Ø mm	PACKAGING						REFERENCE
		mm				Inner	Outer	MIN. E mm	MÁX.	(N)	(N)	
3,2	6	3,30	6,30	0,90	2,10	500	4.000	1,5 - 3,0		1900	2500	01270003206
	8					500	4.000	3,0 - 5,0				01270003208
	10					500	4.000	5,0 - 6,5				01270003210
	12					500	4.000	6,5 - 8,5				01270003212
4,0	8	4,10	7,60	1,00	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
	14					500	3.000	8,5 - 10,0				01270004014
4,8	8	4,90	9,50	1,20	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

STANDARD RIVET

Large head

STAINLESS STEEL A2/STAINLESS STEEL A2

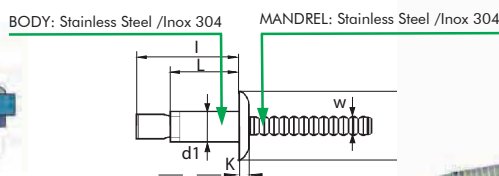
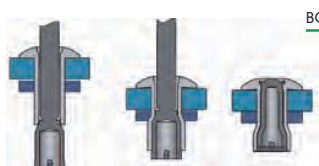


d1 Ø mm	L Nominal mm		d2 Ø mm	K mm	W Ø mm	PACKAGING						REFERENCE
		mm				Inner	Outer	MIN. E mm	MÁX.	(N)	(N)	
3,2	10	3,30	9,50	1,40	2,10	500	4.000	5,0 - 6,5		1900	2500	01310003210
4,0	10	4,10	12,00	1,80	2,40	500	3.000	5,0 - 7,0		2700	3500	01310004010
	13					250	2.000	7,0 - 10,0				01310004013
	16					250	2.000	10,0 - 13,0				01310004016
4,8	8	4,90	14,00	2,20	3,10	250	1.500	1,5 - 3,0		4000	5000	01311004808
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	18,0 - 20,0				01310004825
	30					100	600	20,0 - 25,0				01310004830
	35					100	600	25,0 - 30,5				01310004835

Note: This range of rivets is available in an infinity of lacquering under request.

STAINLESS STEEL A2/STAINLESS STEEL A2

STRUCTURAL RIVET Dome head



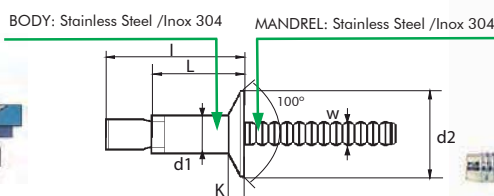
d1 Ø mm	L Nominal mm		d2 Ø mm	K mm	W Ø mm	PACKAGING  Inner  Outer	 E MIN. mm MAX.	I Max. mm	 (N)	 (N)	REFERENCE
4,8	10,3 13,5	4,90-5,10	9,70	1,80	3,00	2.000 1.500	1,5 - 6,8 1,5 - 11,0	18,0 24,0	5800	5000	G182600 4810 G182600 4813
6,5	14,0 20,0	6,60-7,00	13,00	2,50	4,00	1.000 1.000	2,0 - 9,5 2,0 - 16,0	24,0 33,0	11700	10400	G182600 6514 G182600 6520



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

STAINLESS STEEL A2/STAINLESS STEEL A2

STRUCTURAL RIVET Countersunk head 100°



d1 Ø mm	L Nominal mm		d2 Ø mm	K mm	W Ø mm	PACKAGING  Inner  Outer	 E MIN. mm MAX.	I Max. mm	 (N)	 (N)	REFERENCE
6,5	16,0	6,60-7,00	10,10	1,50	4,00	1.000	3,0 - 12,0	26,0	11700	10400	G1827006516

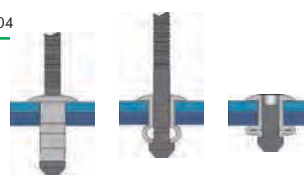
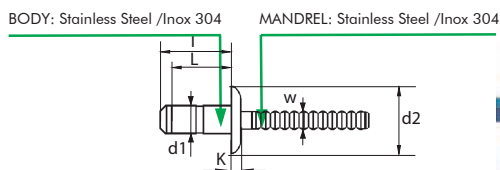


Note: This product needs to be set with a special nosepiece.
For installation information please contact your local BRALO representative

HARDGRIP RIVET

Dome head

STAINLESS STEEL A2/STAINLESS STEEL A2



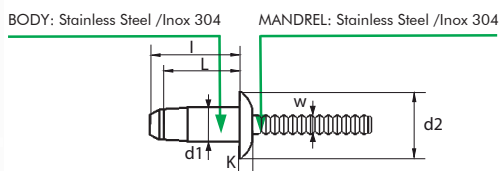
d1 Ø mm	L Nominal mm		d2 Ø mm	K mm	W Ø mm	PACKAGING			I Max. mm			REFERENCE
		mm				Inner	Outer	MIN. E mm				
3,2	7,0	3,30-3,40	6,50	1,00	2,10	500	4.000	1,0 - 3,0	10,00	2000	1700	01896003207
	9,5					500	3.000	3,0 - 5,0	12,00			01896003210
	11,5					500	3.000	5,0 - 7,0	15,00			01896003212
4,0	7,5	4,20-4,40	7,70	1,30	2,60	500	4.000	1,0 - 3,0	10,50	5200	4000	01896004008
	9,5					500	3.000	3,0 - 5,0	12,50			01896004010
	12,5					500	3.000	5,0 - 7,0	15,50			01896004013
4,8	9,5	5,00-5,20	9,20	1,20	3,20	500	3.000	1,5 - 3,5	13,00	5500	5000	01896004809
	11,5					250	2.000	3,5 - 6,0	15,00			01896004812
	14,5					250	2.000	6,0 - 8,5	18,00			01896004815
	16,5					250	2.000	8,5 - 11,0	20,00			01896004817

Note: Under request we do manufacture Hardgrip rivets with countersunk head (d2). For detailed information on minimum quantities and delivery please contact your local BRALO representative.

HARDLOCK RIVET

Dome head

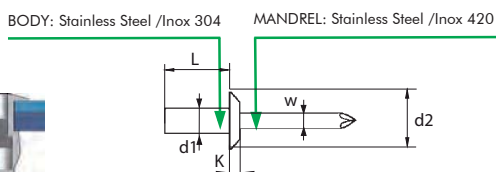
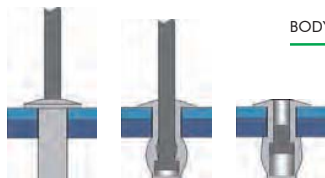
STAINLESS STEEL A2/STAINLESS STEEL A2



d1 Ø mm	L Nominal mm		d2 Ø mm	K mm	W Ø mm	PACKAGING			I Max. mm			REFERENCE
		mm				Inner	Outer	MIN. E mm				
6,4	14,5	6,70-6,90	13,10	2,60	4,00	1.000	1.000	6,8 - 8,8	19,0	15000	8000	G1886006415
	16,5							8,8 - 10,8	21,0	16000	8000	G1886006417

STAINLESS STEEL A2/STAINLESS STEEL A2

SEALED RIVET
Dome head



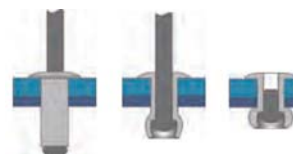
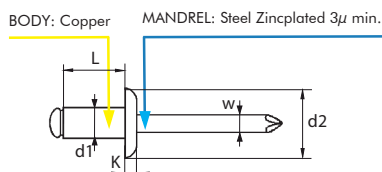
UNE - EN ISO 16985

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
3,2	8,0	3,30	6,50	1,00	1,90	500	4.000	1,5 - 3,0	2000	2200	01300003208
	9,5					500	4.000	3,0 - 5,0			01300003209
	12,0					500	4.000	5,0 - 6,5			01300003212
4,0	8,0	4,10	8,20	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
	16,0					500	3.000	8,0 - 11,0			01300004016
4,8	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
	15,0					250	2.000	5,0 - 9,0			01300004815
	16,0					250	2.000	6,0 - 10,0			01300004816
	17,0					250	2.000	10,0 - 12,0			01300004817
	18,0					250	1.500	11,0 - 13,0			01300004818
6,4	16,0	6,50	13,20	2,40	3,90	200	1.200	6,5 - 8,0	6000	8400	01300006416

STANDARD RIVET

Dome head

COPPER/STEEL



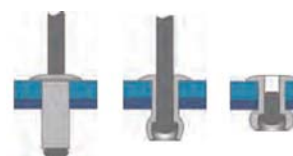
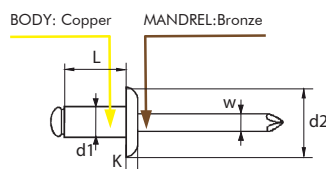
UNE - EN ISO 16582

d1 Ø mm	L Nominal mm		d2 Ø mm	K mm	W Ø mm	PACKAGING					REFERENCE	
		mm				Inner	Outer	MIN. mm	MAX. mm	(N)	(N)	
3,0	6	3,10	6,00	0,80	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

STANDARD RIVET

Dome head

COPPER/BRONZE

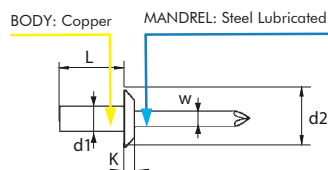
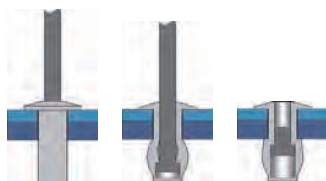


UNE - EN ISO 16582

d1 Ø mm	L Nominal mm		d2 Ø mm	K mm	W Ø mm	PACKAGING					REFERENCE	
		mm	mm	mm	mm	Inner	Outer	MIN. mm	MAX. mm	(N)	(N)	
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	5,0 - 7,0				01400003010
	12					500	4.000	7,0 - 9,0				01400003012
3,2	6	3,30	6,40	1,00	2,00	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

COPPER/STEEL

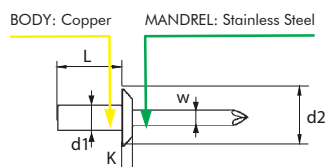
SEALED RIVET Dome head



d1 Ø mm	L Nominal mm		d2 Ø mm	K mm	W Ø mm	PACKAGING  Inner  Outer		 E MIN. mm MÁX.	 (N)	 (N)	REFERENCE
3,2	6,5	3,30	6,30	1,40	1,70	500	4.000	0,5 - 2,0	1250	1300	01320003206
	8,0					500	4.000	2,0 - 3,5			01320003208
	9,5					500	4.000	3,5 - 5,0			01320003209
	12,0					500	4.000	6,5 - 8,0			01320003212
4,0	8,0	4,10	8,00	1,40	2,20	500	4.000	0,5 - 3,5	2050	2900	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	3350	3300	01320004809
	12,0					500	3.000	4,0 - 7,0			01320004812

COPPER/STAINLESS STEEL

SEALED RIVET Dome head



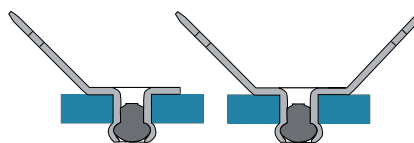
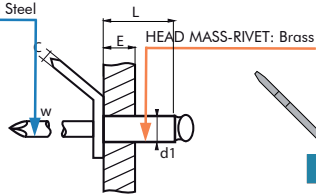
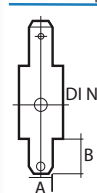
d1 Ø mm	L Nominal mm		d2 Ø mm	K mm	W Ø mm	PACKAGING  Inner  Outer		 E MIN. mm MÁX.	 (N)	 (N)	REFERENCE
3,2	6,5	3,30	6,30	1,40	1,70	500	4.000	0,5 - 2,0	1250	2100	01329003206
	8,0					500	4.000	2,0 - 3,5			01329003208
	9,5					500	4.000	3,5 - 5,0			01329003209
4,0	8,0	4,10	8,00	1,40	2,20	500	4.000	0,5 - 3,5	1900	2500	01329004008
	10,0					500	4.000	3,5 - 5,0			01329004010

BRASS MASS-RIVET

BRASS/COPPERED STEEL



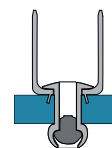
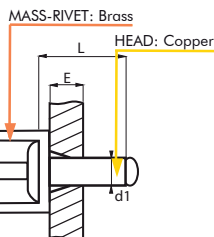
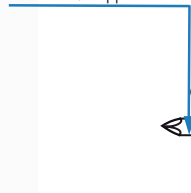
MADREL: Coppered Steel



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



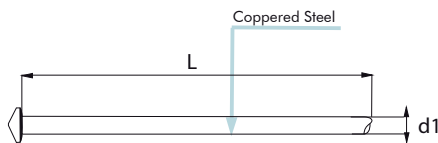
MANDREL: Coppered Steel



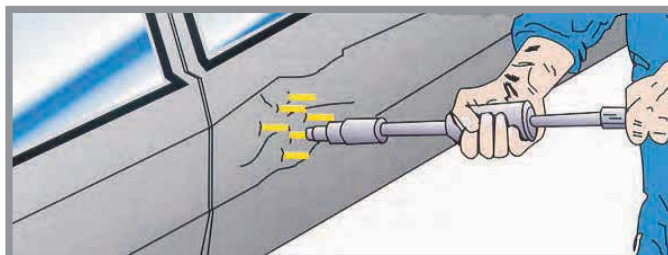
d1 Ø mm	L Nominal mm		A mm	B mm	C mm	W Ø mm	PACKAGING			E MIN. MAX. mm	REFERENCE
3,8	8,0	5,20	6,30	7,80	0,80	2,25	250	1.500	1,2	01920003808	

COPPERED NAILS

COPPERED STEEL

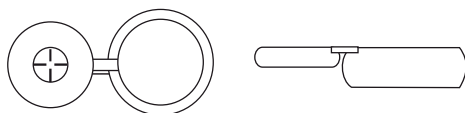


d1 Ø mm	L Nominal mm	PACKAGING		REFERENCE
				
2,0	50	500	4.000	04000002050
2,5	50	500	4.000	04000002550



NYLON

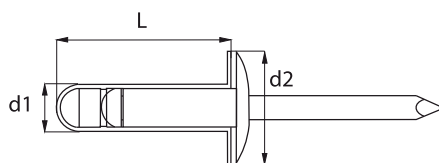
CUPS FOR RIVETS



For rivets d1 Ø mm	RAL	PACKAGING		REFERENCE
		 Inner	 Outer	
3,2 4,0 4,8	Black 9005	500	4.000	07000N09000
	White 9010	500	4.000	07000BL9000
	Yellow 1004	500	4.000	07000J19000
	Grey 7035	500	4.000	07000G09000
	Brown 8014	500	4.000	07000M09000
	Beige 1015	500	4.000	07000BE9000
	Blue 5002	500	4.000	07000A59000

NYLON

COVERS FOR RIVETS



L Nominal mm	d1 Ø mm	d2 Ø mm
21,8	5,80	14,0

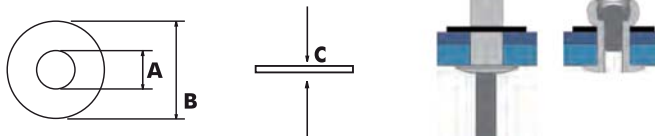
For rivets d1 Ø mm	RAL	PACKAGING		REFERENCE
		 Inner	 Outer	
4,8	Black 9005	250	1.000	07000N1400

WASHERS FOR RIVET

STEEL



Galvanised Steel Protection



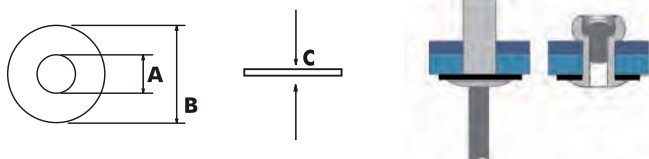
For Rivets d1 Ø mm	A mm	B mm	C mm	BLISTER		REFERENCE
2,4	2,50	9,00	1,00	1000	10.000	07210002400
3,0	3,10	9,00	1,00	1000	10.000	07210003000
3,2	3,30	9,50	1,00	1000	10.000	07210003200
4,0	4,10	12,00	1,00	500	5.000	07210004000
4,8	4,90	15,00	1,50	250	2.500	07210004800
5,0	5,10	15,00	1,50	250	2.500	07210005000
6,0	6,10	15,00	1,50	250	2.500	07210006000
6,4	6,50	15,00	1,50	250	2.500	07210006400

WASHERS FOR RIVET

EPDM



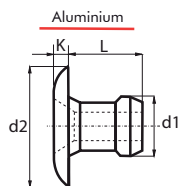
EPDM



For Rivets d1 Ø mm	A mm	B mm	C mm	BLISTER		REFERENCE
3,2	3,00	6,00	0,80	1000	10.000	97020603001
4,0	3,80	7,00	0,80	1000	10.000	97020703801
4,0 4,8 Large Head Ø14 Ø15 Ø16	4,00	14,00	1,30	500	5.000	97020144001
4,8	4,60	9,00	0,80	1000	10.000	97020904601
5,0	5,00	8,00	1,30	1000	10.000	97020805001

ALUMINIUM

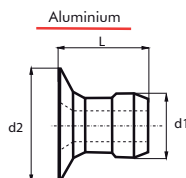
SPEED RIVET BSR Dome head



d1 Ø mm	L Nominal mm	 mm	d2 Ø MIN. MAX. mm	K mm	 Nºpieces	 E MIN. MAX. mm	 (N)	 (N)	REFERENCE
3,2	4,3	3,26-3,34	5,9 6,4	1,00	58	1,20 - 2,40			G1550003204
	5,3				48	2,20 - 3,40			G1550003205
	6,3				44	3,20 - 4,40			G1550003206
	7,3				38	4,20 - 5,40			G1550003207
	8,3				34	5,20 - 6,40			G1550003208
	9,3				30	6,20 - 7,50			G1550003209
4,0	4,9	3,97-4,04	7,5 8,0	1,00	52	1,60 - 2,90			G1550004005
	5,9				44	2,70 - 3,90			G1550004006
	6,9				38	3,70 - 4,90			G1550004007
	7,9				34	4,70 - 5,90			G1550004008
	8,9				30	5,70 - 6,90			G1550004009
4,8	6,1	4,85-4,93	9,0 9,6	1,20	42	2,05 - 3,90			G1550004806
	7,3				36	3,70 - 5,20			G1550004807
	8,6				31	5,00 - 6,40			G1550004808
	9,9				28	6,30 - 7,70			G1550004809
	11,1				24	7,50 - 9,00			G1550004811

ALUMINIUM

SPEED RIVETS BSR Countersunk head

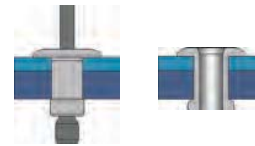
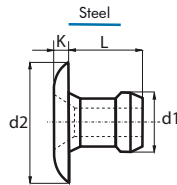


d1 Ø mm	L Nominal mm	 mm	d2 Ø MIN. MAX. mm	 Nºpieces	 E MIN. MAX. mm	 (N)	 (N)	REFERENCE
3,2	4,8	3,26-3,34	5,1 5,9	65	1,60 - 2,70	670	1160	G1552003204
	5,8			52	2,60 - 3,80			G1552003205
	6,8			44	3,60 - 4,80			G1552003206
	7,8			38	4,60 - 5,80			G1552003207
	8,8			34	5,60 - 6,80			G1552003208
4,0	5,2	3,97-4,04	6,1 6,9	57	1,60 - 2,90	1090	1620	G1552004005
	5,7			52	2,20 - 3,40			G1552004055
	6,2			48	2,70 - 3,90			G1552004006
	7,2			41	3,70 - 4,90			G1552004007
	8,2			36	4,70 - 5,90			G1552004008
	9,2			32	5,70 - 6,90			G1552004009

SPEED RIVET BSR

Dome head

STEEL

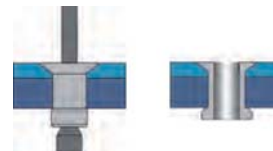
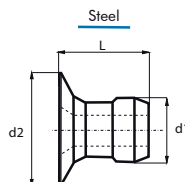


d1 Ø mm	L Nominal mm		d2 Ø mm	K mm		E mm	(N)	(N)	REFERENCE
		mm	MIN. MÁX.		Nºpieces	MIN. MÁX.			
3,2	3,8	3,26-3,34	5,9 6,4	1,10	58	1,00 - 1,90	670	1160	G1560003203
	4,3				58	1,20 - 2,40			G1560003204
	5,3				48	2,20 - 3,40			G1560003205
	6,3				44	3,20 - 4,40			G1560003206
	7,3				38	4,20 - 5,40			G1560003207
	8,3				34	5,20 - 6,40			G1560003208
	9,3				30	6,20 - 7,50			G1560003209
4,0	4,9	3,97-4,04	7,5 8,0	1,00	52	1,60 - 2,90	1090	1620	G1560004005
	5,4				44	2,20 - 3,40			G1560004055
	5,9				44	2,70 - 3,90			G1560004006
	6,9				38	3,70 - 4,90			G1560004007
	7,9				34	4,70 - 5,90			G1560004008
	8,9				30	5,70 - 6,90			G1560004009
4,8	5,4	4,85-4,93	9,0 9,6	1,20	46	1,70 - 3,30	1490	2250	G1560004805
	6,1				42	2,10 - 3,90			G1560004806
	7,3				36	3,70 - 5,20			G1560004807
	8,6				31	5,00 - 6,40			G1560004808
	9,9				28	6,30 - 7,70			G1560004809
	11,1				24	7,50 - 9,00			G1560004811

SPEED RIVET BSR

Countersunk head

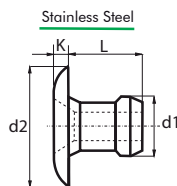
STEEL



d1 Ø mm	L Nominal mm		d2 Ø mm		E mm	(N)	(N)	REFERENCE
		mm	MIN. MÁX.	Nºpieces	MIN. MÁX.			
3,2	4,3	3,26-3,34	5,1 5,9	70	1,50 - 2,30	670	1160	G1562003203
	4,8			65	1,60 - 2,70			G1562003204
	5,8			52	2,60 - 3,80			G1562003205
	6,8			44	3,60 - 4,80			G1562003206
	7,8			38	4,60 - 5,80			G1562003207
	8,8			34	5,60 - 6,80			G1562003208
4,0	5,2	3,97-4,04	6,1 6,9	57	1,60 - 2,90	1090	1620	G1562004005
	5,7			52	2,20 - 3,40			G1562004055
	6,2			48	2,70 - 3,90			G1562004006
	7,2			41	3,70 - 4,90			G1562004007
	8,2			36	4,70 - 5,90			G1562004008
	9,2			32	5,70 - 6,90			G1562004009

STAINLESS STEEL

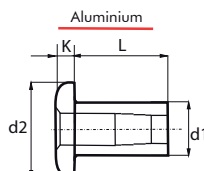
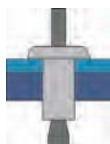
SPEED RIVET BSR Dome head



d1 Ø mm	L Nominal mm	 mm	d2 Ø MIN. mm MÁX. mm	K mm	 Nºpieces	 E MIN. mm MÁX. mm	 (N)	 (N)	REFERENCE	
3,2	4,3	3,27-3,34	5,8	6,4	1,00	58	1,20 - 2,40	670	1160	G1570003204
	5,3					48	2,20 - 3,40			G1570003205
	6,3					42	3,20 - 4,40			G1570003206
4,0	4,9	3,97-4,04	7,5	8,0	1,00	52	1,60 - 2,90	1090	1620	G1570004004
	5,4					44	2,20 - 3,40			G1570004005
	5,9					44	2,70 - 3,90			G1570004006
	6,9					38	3,70 - 4,90			G1570004007
4,8	5,4	4,85-4,93	9,0	9,6	1,20	46	1,70 - 3,30	1490	2250	G1570004805
	6,1					42	2,10 - 3,90			G1570004806
	7,3					38	3,70 - 5,20			G1570004807

ALUMINIUM

SPEED RIVETS BSV Dome head

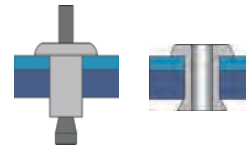
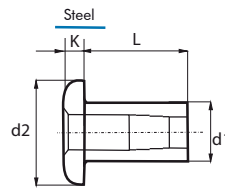


d1 Ø mm	L Nominal mm	 mm	d2 Ø MIN. mm MÁX. mm	K mm	 Nºpieces	 E MIN. mm MÁX. mm	 (N)	 (N)	REFERENCE
3,2	3,2	3,30-3,35	4,9	5,5	1,20	68	0,00 - 1,50	600	G1510003203
	4,8					50	1,60 - 3,10		G1510003204
	6,4					39	3,20 - 4,70		G1510003206
	7,9					33	4,80 - 6,30		G1510003207
	9,5					28	6,40 - 7,90		G1510003209
	11,1					24	8,00 - 9,50		G1510003211
4,0	4,8	4,10-4,15	5,9	6,5	1,50	48	1,60 - 3,10	1000	G1510004004
	6,4					38	3,20 - 4,70		G1510004006
	7,9					32	4,80 - 6,30		G1510004007
	9,5					25	6,40 - 7,90		G1510004009
	11,1					24	8,00 - 9,50		G1510004011
4,8	5,6	4,85-4,95	8,3	8,9	1,80	40	1,60 - 3,10	1500	G1510004805
	7,2					33	3,20 - 4,70		G1510004807
	8,8					28	4,80 - 6,30		G1510004808
	10,3					24	6,40 - 7,90		G1510004810
	11,9					22	8,00 - 9,50		G1510004811

SPEED RIVET BSV

Dome head

STEEL

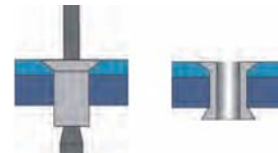
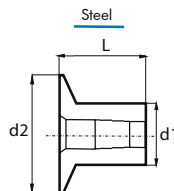


d1 Ø mm	L Nominal mm		d2 Ø mm MIN. MÁX.	K mm	 Nºpieces	 E mm MIN. MÁX.	 (N)	 (N)	REFERENCE
3,2	3,2	3,28-3,34	4,9 5,5	1,20	68	0,00 - 1,50	1400		G1520003203
	4,8				57	1,60 - 3,10			G1520003204
	6,4				50	3,20 - 4,70			G1520003205
	7,9				39	4,80 - 6,30			G1520003206
	9,5				33	6,40 - 7,90			G1520003207
	11,1				28	8,00 - 9,50			G1520003209
4,0	4,8	4,09-4,16	5,9 6,5	1,50	48	1,60 - 3,10	2400		G1520004004
	6,4				38	3,20 - 4,70			G1520004006
	7,9				32	4,80 - 6,30			G1520004007
	9,5				27	6,40 - 7,90			G1520004009
	11,1				24	8,00 - 9,50			G1520004011
4,8	5,6	4,85-4,93	8,3 8,9	1,80	40	1,60 - 3,10	3200		G1520004805
	7,2				33	3,20 - 4,70			G1520004807
	8,8				28	4,80 - 6,30			G1520004808
	10,3				24	6,40 - 7,90			G1520004810
	11,9				22	8,00 - 9,50			G1520004812

SPEED RIVET BSV

Countersunk head

STEEL



d1 Ø mm	L Nominal mm		d2 Ø mm MIN. MÁX.	 Nºpieces	 E mm MIN. MÁX.	 (N)	 (N)	REFERENCE
3,2	3,3	3,28-3,34	5,2 5,8	70	1,00 - 1,50	1400		G1522003203
	4,1			70	1,00 - 2,30			G1522003204
	4,9			61	1,60 - 3,10			G1522003205
	6,5			46	3,20 - 4,70			G1522003206
	8,1			37	4,80 - 6,30			G1522003208
	9,7			30	6,40 - 7,90			G1522003209
4,0	4,9	4,09-4,16	6,2 6,8	61	1,60 - 3,10	2400		G1522004004
	6,5			48	3,20 - 4,70			G1522004006
	8,1			37	4,80 - 6,30			G1522004008
	9,7			30	6,40 - 7,90			G1522004009
	11,2			26	8,00 - 9,50			G1522004011
4,8	5,7	4,85-4,93	8,6 9,2	52	1,60 - 3,10	3200		G1522004805
	7,3			41	3,20 - 4,70			G1522004807
	8,9			38	4,80 - 6,30			G1522004808
	10,5			28	6,40 - 7,90			G1522004810
	12,0			25	8,00 - 9,50			G1522004812

INSERT NUTS



CYLINDRICAL
GROOVED
HEXAGON
HALF HEXAGON
GROOVED STUD NUT



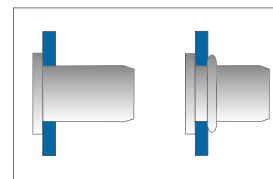
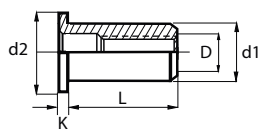
CYLINDRICAL INSERT NUT

Large head - open end

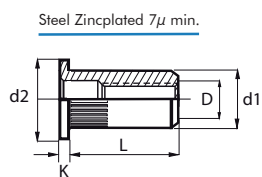
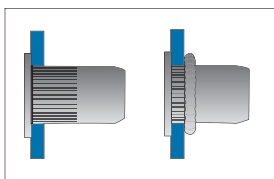
STEEL



Steel Zincplated 7μ min.



D	 E MIN. mm MAX.	L Nominal mm	d1 Ø mm	d2 Ø mm	K mm	 mm	PACKAGING Inner Outer		 (N)	 (N)	 (Nm)	REFERENCE
M 4	0,5 - 2,0	9,50	5,90	9,00	1,00	6,10	500	4.000	4400	7900	3,0	0301104006
	2,0 - 4,0	12,25					500	4.000				0301114006
M 5	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	15,00					500	4.000				0301115007
	5,5 - 8,0	18,00					500	3.000				0301185007
M 6	0,5 - 3,0	14,00	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	19,00					250	1.500				0301186009
M 8	0,5 - 3,0	16,50	10,90	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
M 10	1,0 - 3,5	17,50	11,90	19,00	1,70	12,10	150	900	12000	34000	30,0	0301101012
M 12	1,0 - 4,0	25,00	15,90	23,00	2,00	16,10		500	18000	>57800	54,0	G301101216



D	 MIN. mm MÁX.	L Nominal mm	d1 Ø mm	d2 Ø mm	K mm	 mm	PACKAGING  Inner  Outer		 (N)	 (N)	 (Nm)	REFERENCE
M 3	0,25 - 2,0	8,50	4,90	7,50	1,00	5,10	500	4.000	2400	4100	2,2	0371103005
M 4	0,5 - 3,0	9,50	5,90	9,00	1,00	6,10	500	4.000	3900	7900	4,5	0371104006
	3,0 - 4,5	12,25					500	4.000				0371114006
M 5	0,5 - 3,0	12,00	6,90	10,00	1,00	7,10	500	4.000	5800	9800	5,8	0371105007
	3,0 - 5,5	15,00					500	4.000				0371115007
M 6	0,5 - 3,0	14,50	8,90	13,00	1,50	9,10	250	2.000	7100	18500	18,0	0371106009
	3,0 - 5,5	16,50					250	1.500				0371116009
M 8	0,5 - 3,0	16,50	10,90	16,00	1,50	11,10	250	1.500	8400	29800	34,5	0371108011
	3,0 - 5,5	18,50					200	1.200				0371118011
M 10	1,0 - 3,5	19,50	12,90	19,00	1,70	13,10	150	900	11000	43300	60,0	0371101013
	3,5 - 6,0	21,50					100	600				0371111013
	2,4 - 4,0	19,50						1.000				G371121013
M 12	1,0 - 4,0	25,00	15,90	23,00	2,00	16,10		500	14700	47700	161,5	G371101216

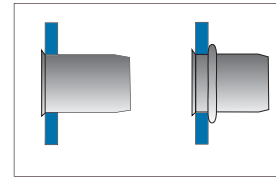
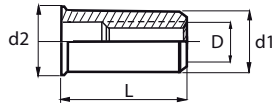
CYLINDRICAL INSERT NUT

Reduced head - open end

STEEL



Steel Zincplated 7μ min.

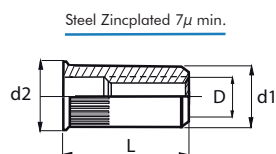
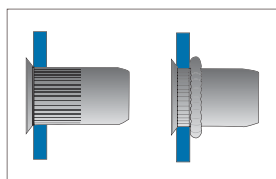


D	 E MIN. mm MÁX.	L Nominal mm	d1 Ø mm	d2 Ø mm	 mm	PACKAGING		 (N)	 (N)	 (Nm)	REFERENCE
M 3	0,5 - 1,5	8,70	4,65	5,40	5,10	500	4.000	2100	3650	1,7	0301203005
M 4	0,5 - 2,0	10,40	6,30	6,70	6,40	500	4.000	3400	7200	2,8	0301204006
M 5	0,5 - 3,0	11,50	7,10	7,90	7,20	500	4.000	5300	9800	5,7	0301205007
M 6	0,5 - 3,0	14,50	9,50	10,20	9,60	500	3.000	6500	19100	6,5	0301206009
M 8	0,5 - 3,0	16,50	10,50	11,30	10,60	250	1.500	8350	29800	8,6	0301208011

For drills in inches.

D	 E MIN. mm MÁX.	L Nominal mm	d1 Ø mm	d2 Ø mm	 mm	PACKAGING		 (N)	 (N)	 (Nm)	REFERENCE
M 4	0,5 - 2,0	10,00	5,90	7,00	6,00	500	4.000	3400	7200	2,8	0301204005
M 5	0,5 - 3,0	12,00	6,90	8,00	7,00	500	4.000	5300	9800	5,7	0301205006
M 6	0,5 - 3,0	15,00	8,90	10,00	9,00	500	3.000	6500	19100	6,5	0301206008
M 8	0,5 - 3,0	16,00	10,90	12,00	11,00	250	1.500	8350	29800	8,6	0301208010

For drills in mm.

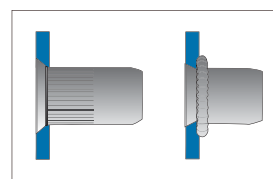
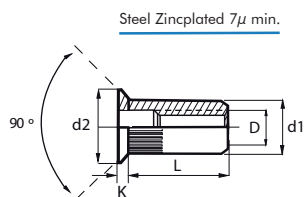


D	 E MIN. mm MAX.	L Nominal mm	d1 Ø mm	d2 Ø mm	 mm	PACKAGING  Inner  Outer		 (N)	 (N)	 (Nm)	REFERENCE
M 4	0,5 - 2,0	10,40	5,90	7,00	6,10	500	4.000	3900	7900	2,9	0371204006
M 5	0,5 - 3,0	11,50	6,90	8,00	7,10	500	4.000	5800	9800	6,0	0371205007
M 6	0,5 - 3,0 3,0 - 5,5	14,50 16,50	8,90	10,00	9,10	500 500	3.000 3.000	6500	16500	10,1	0371206009 0371216009
M 8	0,5 - 3,0 3,0 - 5,5	16,80 19,00	10,90	12,00	11,10	250 250	1.500 1.500	8400	29800	15,5	0371208011 0371218011
M 10	0,7 - 3,5 3,5 - 6,0	20,80 23,50	12,90	14,00	13,10	150	900 500	11000	43300	20,0	0371201013 G371211013
M 12	1,0 - 3,5	24,20	15,90	17,00	16,10		500	17200	57800	30,0	G371201216

GROOVED INSERT NUT

Countersunk head - open end

STEEL

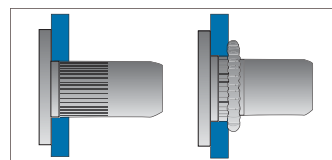
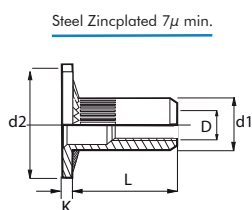


D	 MIN. mm MAX.	L Nominal mm	d1 Ø mm	d2 Ø mm	K mm	 mm	PACKAGING  Inner  Outer		 (N)	 (N)	 (Nm)	REFERENCE
M 4	1,5 - 3,0	11,00	5,90	8,50	1,50	6,10	500	4.000	3900	7900	3,3	0371304006
M 5	1,5 - 4,0	13,00	6,90	10,00	1,50	7,10	500	4.000	5800	9800	6,5	0371305007
M 6	1,5 - 4,0	16,00	8,90	13,00	1,50	9,10	250	2.000	7100	19600	20,0	0371306009
M 8	1,5 - 4,0 2,0 - 4,5	18,50	10,90	14,00	1,50	11,10	250 250	1.500 1.500	8400	29800	22,0	0371308011 0371328011
M 10	1,5 - 4,5	22,00	12,90	16,00	1,50	13,10	150	900	11000	43300	34,6	0371301013

GROOVED INSERT NUT

Extra large head - open end

STEEL

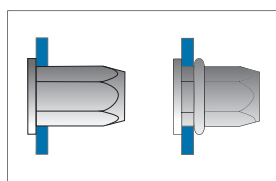


D	 MIN. mm MAX.	L Nominal mm	d1 Ø mm	d2 Ø mm	K mm	 mm	PACKAGING  Inner  Outer		 (N)	 (N)	 (Nm)	REFERENCE
M 5	3,0 - 5,0	17,70	8,95	18,50	1,50	9,10	1.000		8700	9800	9,1	G371705009T1
M 6	3,0 - 5,0	17,70	8,95	18,50	1,50	9,10	1.000		8700	19100	13,0	G371706009T

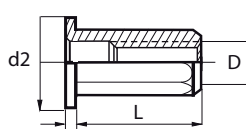


STEEL

HEXAGON INSERT NUT Large head - open end



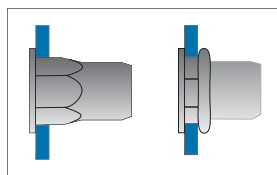
Steel Zincplated 7μ min.



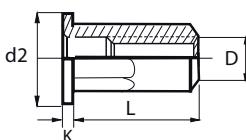
D	 MIN. mm MÁX.	L Nominal mm	S1 Ø mm	d2 Ø mm	K mm		PACKAGING  Inner  Outer		 (N)	 (N)	 (Nm)	REFERENCE
M 4	0,5 - 2,0	10,00	5,90	9,00	1,00	6,10	500	4.000	3400	7900	4,8	0311104006
M 5	0,5 - 3,0	13,00	6,90	10,00	1,00	7,10	500	4.000	4900	9800	6,5	0311105007
M 6	0,5 - 3,0	14,20	8,90	13,00	1,50	9,10	250	2.000	7100	22000	21,4	0311106009
M 8	0,5 - 3,0	16,50	10,90	16,00	1,50	11,10	250	1.500	9600	29800	40,0	0311108011
	3,0 - 5,5	19,50					200	1.200				0311118011
M 10	0,5 - 3,5	19,50	12,90	19,00	2,00	13,10	150	900	12600	43300	88,0	0311101013
M 12	1,0 - 4,0	25,00	16,00	23,00	2,00	16,10		500	17200	>57800	115,0	0311101216

STEEL

HALF-HEXAGON INSERT NUT Large head - open end



Steel Zincplated 7μ min.



D	 MIN. mm MÁX.	L Nominal mm	S1 Ø mm	d2 Ø mm	K mm		PACKAGING  Inner  Outer		 (N)	 (N)	 (Nm)	REFERENCE
M 4	0,5 - 2,0	9,70	5,90	9,00	1,00	6,10	500	4.000	3400	7900	3,3	0334104006
M 5	0,5 - 3,0	12,80	6,90	10,00	1,00	7,10	500	4.000	4900	9800	6,2	0334105007
M 6	0,5 - 3,0	14,50	8,90	13,00	1,50	9,10	250	2.000	7100	19100	14,7	0331106009
M 8	0,5 - 3,0	16,50	10,90	16,00	1,50	11,10	250	1.500	7500	19300	20,0	0331108011
M 12	1,0 - 4,0	25,00	15,90	23,00	2,00	16,10		500	17200	44000	115,0	0331101216

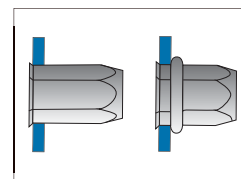
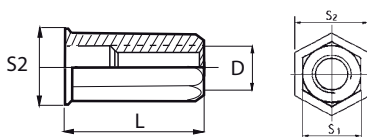
HEXAGON INSERT NUT

Reduced head - open end

STEEL



Steel Zincplated 7μ min.



D	 E MIN. mm MAX.	L Nominal mm	S1 Ø mm	S2 Ø mm		PACKAGING  Inner  Outer		 (N)	 (N)	 (Nm)	REFERENCE
M 4	0,5 - 2,0	11,00	5,90	6,60	6,10	500	4.000	3400	7900	4,1	0311204006
M 5	0,5 - 3,0	14,00	6,90	8,00	7,10	500	4.000	4900	9800	8,0	0311205007
M 6	0,5 - 3,0 3,0 - 6,0	16,00 19,00	8,90	9,80	9,10	500	3.000 1.500	7500	19100	12,0	0311206009 G311266009
M 8	0,5 - 3,0 3,0 - 5,5	18,00 20,50	10,90	11,80	11,10	250	1.500 1.000	9600	29800	38,0	0311208011 G311218011
M 10	0,5 - 3,5 3,5 - 6,0	22,00 24,00	12,90	14,00	13,10	150	900 500	12600	43300	70,0	0311201013 G311211013
M 12	1,0 - 4,0 4,0 - 8,0	25,00 28,00	16,00	17,50	16,10	100	600 300	17200	>57800	98,0	0311201216 G311281216

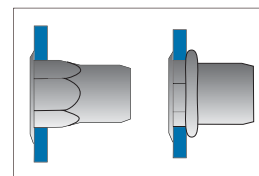
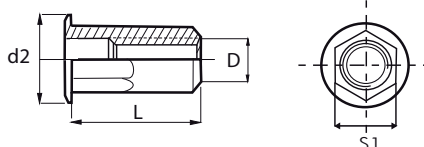
HALF-HEXAGON INSERT NUT

Plane head - open end

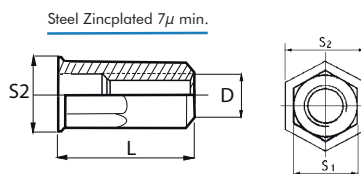
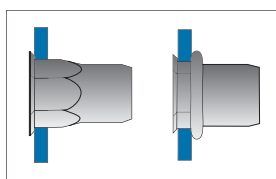
STEEL



Steel Zincplated 7μ min.



D	 E MIN. mm MAX.	L Nominal mm	S1 Ø mm	d2 Ø mm		PACKAGING  Inner  Outer		 (N)	 (N)	 (Nm)	REFERENCE
M 4	0,5 - 2,0	10,50	6,30	9,50	6,10	500	4.000	2800	7900	4,8	0331504006
M 5	0,5 - 2,5	11,80	7,10	9,90	7,20	500	4.000	3600	9800	9,4	0331505007
M 6	0,7 - 3,0	15,00	9,50	13,00	9,60	500	3.000	4700	19100	14,7	0331506009



D		L Nominal mm	S1 Ø mm	S2 Ø mm		PACKAGING  Inner  Outer	 (N)	 (N)	 (Nm)	REFERENCE
M 4	0,5 - 2,5	10,50	6,30	7,00	6,40	500 4.000	2800	7900	4,6	0331204006
M 5	0,5 - 3,0	12,00	7,10	8,00	7,20	500 4.000	3600	9800	6,2	0331205007
M 6	0,7 - 3,0	14,50	9,50	10,60	9,60	500 3.000	4700	19100	19,0	0331206009
M 8	0,8 - 3,0	16,50	10,50	11,50	10,60	250 1.500	5500	29800	34,0	0331208011

For drills in inches.

D		L Nominal mm	S1 Ø mm	S2 Ø mm		PACKAGING  Inner  Outer	 (N)	 (N)	 (Nm)	REFERENCE
M 4	0,5 - 2,5	10,50	5,90	7,00	6,10	500 4.000	2900	7900	4,6	0331204005
M 5	0,5 - 3,0	12,00	6,90	8,00	7,10	500 4.000	4300	9800	6,2	0331205006
M 6	0,7 - 3,0	14,50	8,90	10,00	9,10	500 3.000	5700	19100	19,0	0331206008
M 8	0,8 - 3,0	16,50	10,90	12,00	11,10	250 1.500	7000	29800	34,0	0331208010
M 10	1,0 - 3,5 3,5 - 6,0	20,00 25,00	12,90	14,50	13,10	150 900 150 900	7200	40700	72,0	0331201013 0331211013

For drills in mm.

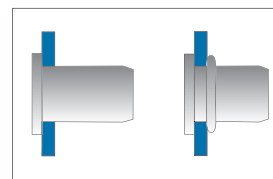
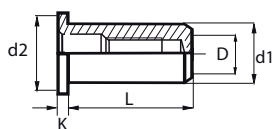
CYLINDRICAL INSERT NUT

Large head - closed end

STEEL



Steel Zincplated 7μ min.



D	 E MIN. mm MÁX.	L Nominal mm	d1 Ø mm	d2 Ø mm	K mm	 mm	PACKAGING  Inner  Outer		 (N)	 (N)	 (Nm)	REFERENCE
M 5	0,5 - 2,5	18,00	6,90	10,00	1,00	7,10	500	3.000	5300	9800	7,0	0301405007
M 6	0,5 - 3,0	21,50	8,90	13,00	1,50	9,10	250	1.500	6300	20200	12,0	0301406009
M 8	1,0 - 4,0	23,50	10,90	16,00	1,50	11,10	150	900	8300	29800	23,0	0301408011
M 10	1,0 - 4,0	31,00	12,90	19,00	2,00	13,10	50	300	13600	43300	35,1	0301401013

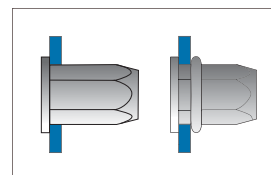
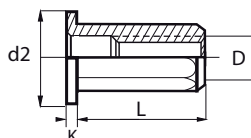
HEXAGON INSERT NUT

Large head - closed end

STEEL



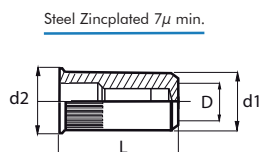
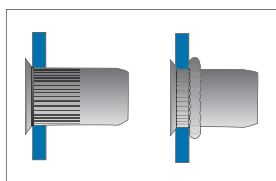
Steel Zincplated 7μ min.



D	 E MIN. mm MÁX.	L Nominal mm	S1 Ø mm	d2 Ø mm	K mm	 mm	PACKAGING  Inner  Outer		 (N)	 (N)	 (Nm)	REFERENCE
M 5	0,5 - 3,0	20,00	6,95	10,00	1,10	7,10	500	3.000	4900	9800	6,8	0311405007
M 6	0,5 - 3,0	21,50	8,95	13,00	1,50	9,10	250	1.500	7100	19100	22,0	0311406009
M 8	0,5 - 3,0	24,50	10,95	16,00	1,50	11,10	150	900	9600	29800	40,0	0311408011
M 10	1,0 - 3,5	31,00	12,95	19,00	2,00	13,10	500		12600	43000	70,0	G311401013

STEEL

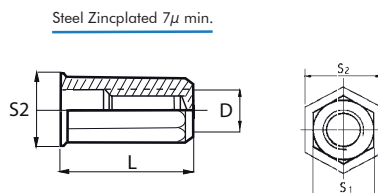
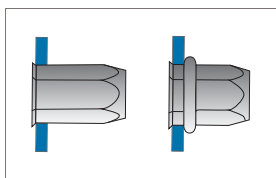
GROOVED INSERT NUT Reduced head - closed end



D	 MIN. mm MÁX.	L Nominal mm	d1 Ø mm	d2 Ø mm	 mm	PACKAGING  Inner  Outer		 (N)	 (N)	 (Nm)	REFERENCE
M 4	0,5 - 2,0	14,90	5,90	7,00	6,10	500	4.000	3000	7000	2,9	0375204006
M 5	0,5 - 3,0	18,00	6,90	8,00	7,10	500	3.000	5800	9800	6,0	0375205007
M 6	0,5 - 3,0	21,50	8,90	9,90	9,10	250	1.500	7100	19100	10,5	0375206009
M 8	0,5 - 3,0	22,50	10,90	12,00	11,10	250	1.500	8400	30000	15,5	0375208011

STEEL

HEXAGON INSERT NUT Reduced head - closed end



D	 MIN. mm MÁX.	L Nominal mm	S1 Ø mm	S2 Ø mm	 mm	PACKAGING  Inner  Outer		 (N)	 (N)	 (Nm)	REFERENCE
M 5	0,5 - 2,0	20,00	6,95	7,90	7,10	500	4.000	4900	9800	8,0	0311705007
M 6	0,5 - 3,0	22,00	8,95	10,0	9,10	250	1.500	7100	19100	12,0	0311706009

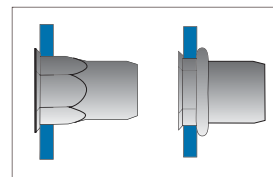
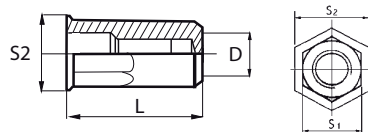
HALF-HEXAGON INSERT NUT

Reduced head - closed end

STEEL



Steel Zincplated 7μ min.

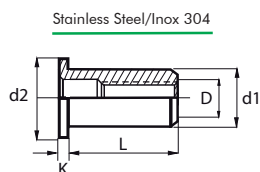
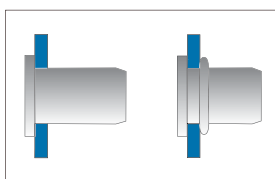


D		L Nominal mm	S1 Ø mm	S2 Ø mm	 mm	PACKAGING		 (N)	 (N)	 (Nm)	REFERENCE
	mm					Inner	Outer				
M 4	0,5 - 2,5	16,00	5,90	7,00	6,10	500	4.000	2900	7900	4,6	0331704006
M 5	0,5 - 3,0	18,00	6,90	8,00	7,10	500	4.000	4300	9800	6,2	0331705007
M 6	0,5 - 3,0	21,00	8,90	10,00	9,10	250	1.500	5700	19100	19,0	0331706009
M 8	0,5 - 3,0	23,50	10,90	12,00	11,10	250	1.500	7000	29800	34,0	0331708011

STAINLESS STEEL

CYLINDRICAL INSERT NUT

Large head - open end

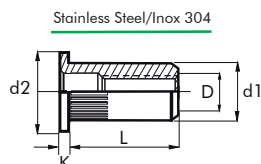
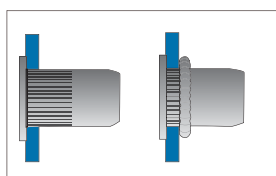


D	 MIN. mm MÁX.	L Nominal mm	d1 Ø mm	d2 Ø mm	K mm	 mm	PACKAGING  Inner  Outer		 (N)	 (N)	 (Nm)	REFERENCE
M 4	0,5 - 2,0	9,50	5,90	9,00	1,00	6,10	500	4.000	4900	10000	3,1	0303104006
M 5	0,5 - 3,0	12,00	6,90	10,00	1,00	7,10	500	4.000	6000	15800	6,9	0303105007
M 6	0,5 - 3,0	14,50	8,90	13,00	1,50	9,10	250	2.000	9000	21600	10,0	0303106009
M 8	0,5 - 3,0	16,50	10,90	15,00	1,50	11,10	250	1.500	12350	36300	19,3	0303108011

STAINLESS STEEL

GROOVED INSERT NUT

Large head - open end



D	 MIN. mm MÁX.	L Nominal mm	d1 Ø mm	d2 Ø mm	K mm	 mm	PACKAGING  Inner  Outer		 (N)	 (N)	 (Nm)	REFERENCE
M 4	0,5 - 2,0	9,50	5,90	9,00	1,00	6,10	500	4.000	5600	9100	6,4	0373104006
M 5	0,5 - 3,0 3,0 - 4,5	12,00 13,50	6,90	10,00	1,00	7,10	500 500	4.000 4.000	6800	15800	8,4	0373105007 0373115007
M 6	0,5 - 3,0	14,50	8,90	13,00	1,50	9,10	250	2.000	9000	23800	26,7	0373106009
M 8	0,5 - 3,0 3,0 - 5,5	16,50 18,50	10,90	16,00	1,50	11,10	250 250	1.500 1.200	10600	40600	62,5	0373108011 0373118011
M 10	1,0 - 3,5	19,00	12,90	17,00	2,00	13,10	150	900	11300	>49000	111,7	0373101013

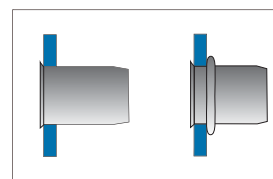
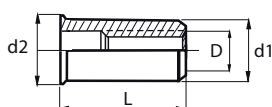
CYLINDRICAL INSERT NUT

Reduced head - open end

STAINLESS STEEL



Stainless Steel/Inox 304



D	 E MIN. mm MÁX.	L Nominal mm	d1 Ø mm	d2 Ø mm	 mm	PACKAGING  Inner  Outer	 (N)	 (N)	 (Nm)	REFERENCE
M 4	0,5 - 2,0	11,00	5,90	7,00	6,10	500 4.000	4900	10000	2,2	0303204006
M 5	0,5 - 3,0	12,00	6,90	8,00	7,10	500 4.000	6000	15800	3,2	0303205007
M 6	0,5 - 3,0	14,50	8,90	10,00	9,10	500 3.000	9000	21600	5,8	0303206009
M 8	0,5 - 3,0	16,00	10,90	12,00	11,10	250 1.500	12350	36300	15,6	0303208011

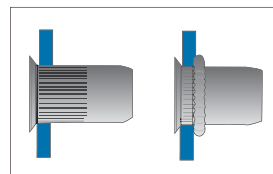
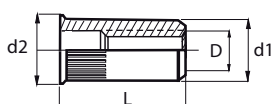
GROOVED INSERT NUT

Reduced head - open end

STAINLESS STEEL



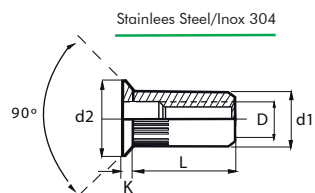
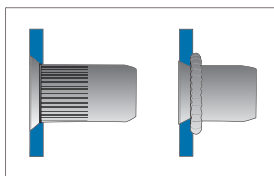
Stainless Steel/Inox 304



D	 E MIN. mm MÁX.	L Nominal mm	d1 Ø mm	d2 Ø mm	 mm	PACKAGING  Inner  Outer	 (N)	 (N)	 (Nm)	REFERENCE
M 3	0,25 - 2,0	9,75	4,90	6,00	5,10	500 4.000	2700	3100	2,3	0373203005
M 4	0,5 - 2,0	10,50	5,90	7,00	6,10	500 4.000	4800	10300	5,5	0373204006
M 5	0,5 - 3,0	11,50	6,90	8,00	7,10	500 4.000	7300	14300	8,6	0373205007
M 6	0,5 - 3,0	14,50	8,90	10,00	9,10	500 3.000	9600	23700	14,7	0373206009
M 8	0,5 - 3,0	16,50	10,90	12,00	11,10	250 1.500	11300	38600	20,0	0373208011
M 10	1,0 - 3,5	19,00	12,90	14,20	13,10	150 900	13400	>49000	27,5	0373201013

STAINLESS STEEL

GROOVED INSERT NUT Countersunk head - open end

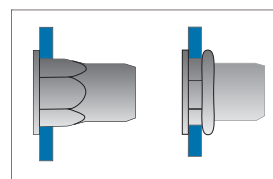
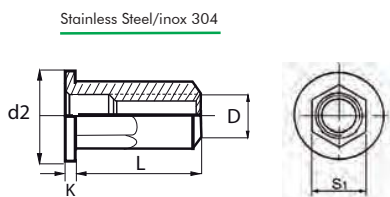


D	 MIN. mm MAX.	L Nominal mm	d1 Ø mm	d2 Ø mm	K mm	 mm	PACKAGING  Inner  Outer		 (N)	 (N)	 (Nm)	REFERENCE
M 4	1,5 - 3,0	12,00	5,90	9,00	1,50	6,10	500	4.000	4900	10000	4,1	0373304006
M 5	1,5 - 4,0	13,00	6,90	9,60	1,50	7,10	500	4.000	6000	12800	8,4	0373305007
M 6	1,5 - 4,0	16,00	8,90	12,00	1,50	9,10	250	2.000	9000	21600	27,9	0373306009
M 8	1,5 - 4,0	18,50	10,90	13,50	1,50	11,10	250	1.500	12350	36300	34,5	0373308011

HALF-HEXAGON INSERT NUT

Large head - open end

STAINLESS STEEL

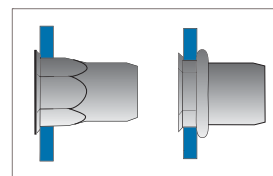
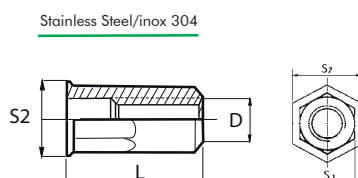


D	 E MIN. mm MÁX.	L Nominal mm	S1 Ø mm	d2 Ø mm	K mm	 mm	PACKAGING  Inner  Outer		 (N)	 (N)	 (Nm)	REFERENCE
M 5	0,5 - 3,0	12,00	6,90	10,00	1,50	7,10	500	4.000	3300	13200	9,1	0333105007
M 6	0,5 - 3,0	14,00	8,90	12,00	1,50	9,10	250	2.000	7700	21600	19,7	0333106009
M 8	0,5 - 3,0	16,00	10,90	15,00	1,50	11,10	250	1.500	11200	36300	26,5	0333108011

HALF-HEXAGON INSERT NUT

Reduced head - open end

STAINLESS STEEL

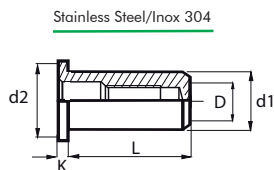
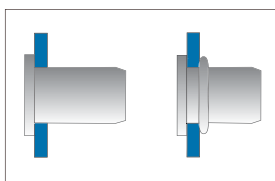


D	 E MIN. mm MÁX.	L Nominal mm	S1 Ø mm	S2 Ø mm	 mm	PACKAGING  Inner  Outer		 (N)	 (N)	 (Nm)	REFERENCE
M 4	0,5 - 2,5	11,00	5,90	7,00	6,00	500	4.000	5600	10000	4,9	0333204006
M 5	0,5 - 3,0	12,00	6,90	8,00	7,00	500	4.000	7200	15800	8,8	0333205007
M 6	0,5 - 3,0	14,00	8,90	10,00	9,00	500	3.000	9600	18000	14,0	0333206009
M 8	0,5 - 3,0	16,00	10,90	12,00	11,00	250	1.500	11200	36300	26,5	0333208011
M 10	1,0 - 3,5	19,00	12,90	14,20	13,00	150	900	11400	47800	91,6	0333201013

STAINLESS STEEL

CYLINDRICAL INSERT NUT

Large head - closed end

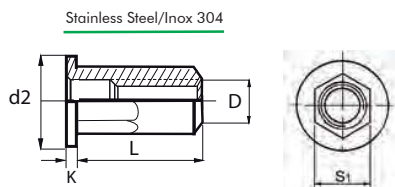
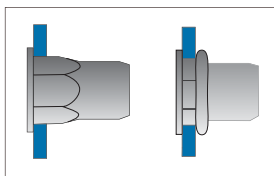


D	 MIN. mm MÁX.	L Nominal mm	d1 Ø mm	d2 Ø mm	K mm	 mm	PACKAGING  Inner  Outer		 (N)	 (N)	 (Nm)	REFERENCE
M 4	0,5 - 2,5	16,00	5,90	9,00	1,00	6,10	500	4.000	4900	10000	2,2	0303404006
M 5	0,5 - 3,0	18,00	6,90	10,00	1,00	7,10	500	3.000	6000	15800	3,2	0303405007
M 6	0,5 - 3,0	21,00	8,90	12,00	1,50	9,10	250	1.500	9000	21600	10,3	0303406009
M 8	0,5 - 3,0	23,50	10,90	14,00	1,50	11,10	150	900	12350	36300	15,6	0303408011

STAINLESS STEEL

HALF-HEXAGON INSERT NUT

Large head - closed end



D	 MIN. mm MÁX.	L Nominal mm	S1 Ø mm	d2 Ø mm	K mm	 mm	PACKAGING  Inner  Outer		 (N)	 (N)	 (Nm)	REFERENCE
M 5	0,5 - 2,0	18,00	6,90	10,00	1,00	7,10	500	3.000	7200	12000	8,8	0333405007
M 6	0,5 - 3,0	21,00	8,90	12,00	1,50	9,10	250	1.500	9000	21600	19,7	0333406009
M 8	0,5 - 3,0	23,50	10,90	14,00	1,50	11,10	200	1.200	11200	36300	26,5	0333408011

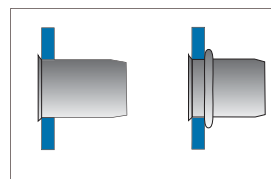
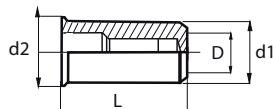
CYLINDRICAL INSERT NUT

Reduced head - closed end

STAINLESS STEEL



Stainless Steel/Inox 304



D	 E MIN. mm MÁX.	L Nominal mm	d1 Ø mm	d2 Ø mm	 L mm	PACKAGING  Inner  Outer	 (N)	 (N)	 (Nm)	REFERENCE
M 4	0,5 - 3,0	16,00	5,90	7,00	6,10	500 4.000	4900	10000	2,2	0303704006
M 5	0,5 - 3,0	18,00	6,90	8,00	7,10	500 3.000	6000	21600	3,2	0303705007
M 6	0,5 - 3,0	21,00	8,90	10,00	9,10	250 1.500	9000	24300	10,3	0303706009
M 8	0,5 - 3,0	23,50	10,90	12,00	11,10	250 1.500	12350	36300	15,6	0303708011

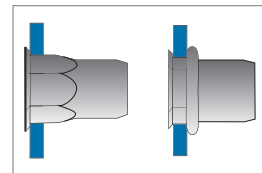
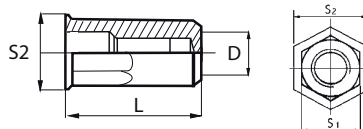
HALF - HEXAGON INSERT NUT

Reduced head - closed end

STAINLESS STEEL



Stainless Steel/Inox 304

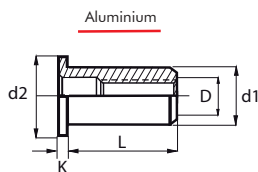
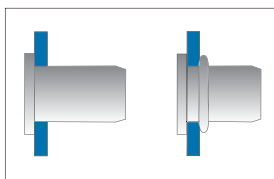


D	 E MIN. mm MÁX.	L Nominal mm	S1 Ø mm	S2 Ø mm	 L mm	PACKAGING  Inner  Outer	 (N)	 (N)	 (Nm)	REFERENCE
M 4	0,5 - 2,5	16,00	5,90	7,00	6,10	500 4.000	5600	10000	4,9	0333704006
M 5	0,5 - 3,0	18,00	6,90	8,00	7,10	500 4.000	7200	12000	8,8	0333705007
M 6	0,5 - 3,0	21,00	8,90	10,00	9,10	250 1.500	9000	21600	15,5	0333706009
M 8	0,5 - 3,0	23,50	10,90	12,00	11,10	200 1.200	11200	36300	26,5	0333708011

ALUMINIUM

CYLINDRICAL INSERT NUT

Large head - open end



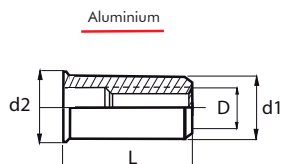
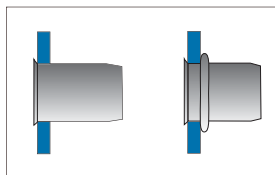
D	 MIN. mm MÁX.	L Nominal mm	d1 Ø mm	d2 Ø mm	K mm	 mm	PACKAGING		 (N)	 (N)	 (Nm)	REFERENCE
M 4	0,5 - 2,0	9,50	5,90	9,00	1,00	6,10	500	4.000	3400	4300	2,0	0302104006
M 5	0,5 - 3,0 3,0 - 5,5	12,00 15,00	6,90	10,00	1,00	7,10	500 500	4.000 4.000	4400	8300	5,5	0302105007 0302115007
M 6	0,5 - 3,0 3,0 - 5,5	14,50 16,50	8,90	13,00	1,50	9,10	250 250	2.000 1.500	5000	10500	9,0	0302106009 0302116009
M 8	0,5 - 3,0 3,0 - 5,5	16,50 18,50	10,90	16,00	1,50	11,10	250 200	1.500 1.200	6000	15400	16,9	0302108011 0302118011

Note: We manufacture insert nut aluminium with closed end under request. For detailed information on minimum quantities and delivery please contact your local BRALO representative.

ALUMINIUM

CYLINDRICAL INSERT NUT

Reduced head - open end

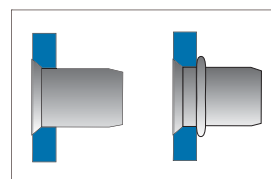
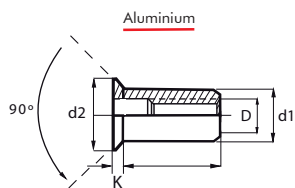


D	 MIN. mm MÁX.	L Nominal mm	d1 Ø mm	d2 Ø mm	 mm	PACKAGING		 (N)	 (N)	 (Nm)	REFERENCE
M 5	0,5 - 3,0	12,00	6,90	8,00	7,10	500	4.000	4400	8300	5,5	0302205007
M 6	0,5 - 3,0	14,50	8,90	10,00	9,10	500	3.000	5000	10500	9,0	0302206009
M 8	0,5 - 3,0	16,00	10,90	12,00	11,10	250	1.500	6000	15400	16,9	0302208011

CYLINDRICAL INSERT NUT

Countersunk head - open end

ALUMINIUM

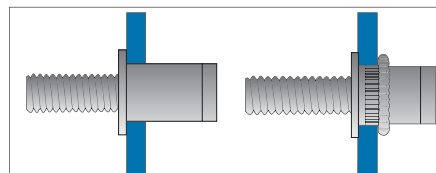
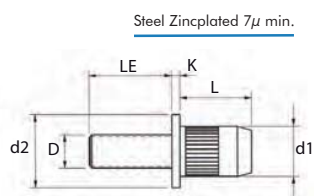


D	 E MIN. mm MÁX.	L Nominal m/m	d1 Ø mm	d2 Ø mm	K mm	 mm	PACKAGING  Inner  Outer		 (N)	 (N)	 (Nm)	REFERENCE
M 4	1,5 - 3,5	11,50	5,90	8,50	1,50	6,10	500	4.000	3400	4300	2,0	0302304006
M 5	1,5 - 4,0	13,00	6,90	9,50	1,50	7,10	500	4.000	4400	8300	5,5	0302305007
M 6	1,5 - 4,0	16,00	8,90	11,50	1,50	9,10	250	2.000	5000	10500	9,0	0302306009
M 8	1,5 - 4,5	18,50	10,90	13,50	1,50	11,10	250	1.500	6000	15400	16,9	0302308011

GROOVED STUD NUT

Large head

STEEL



D	 E MIN. mm MÁX.	L Nominal mm	d1 Ø mm	d2 Ø mm	K mm	LE mm	 mm	PACKAGING  Inner  Outer		REFERENCE
M 5	0,5 - 3,0	11,00	6,95	10,00	1,00	15,00	7,10	250	1.500	0370005015
M 6	0,5 - 3,0	13,00	8,95	13,00	1,00	15,00	9,10	250	1.500	0370006015
	0,5 - 3,0	13,00				20,00		200	1.200	0370006020
	0,5 - 3,0	13,00				25,00		150	900	0370006025
M 8	0,5 - 3,0	16,00	10,95	16,00	1,50	20,00	11,10	150	900	0370008020
	0,5 - 3,0	16,00				25,00		100	600	0370008025

RIVETING TOOLS



HAND TOOLS
PNEUMATIC
ELECTRONIC



BM-45



ARTICLE	REFERENCE
BM 45 BLISTER	92BM00450
BM 45 PLASTIC BOX BM-45 + rivets assortment	02BM00453

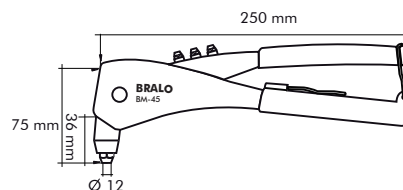
RIVET Ø m/m	MATERIALS			
	Aluminium	Steel	Inox	Copper
2,4	✓		✓	
3,0 - 3,2	✓	✓	✓	✓
4,0	✓	✓	✓	✓
4,8 - 5,0	✓			

DETAILS

- For easy setting of blind rivets both in and outdoors.
- Main body cast in **aluminium**.
- Light tempered steel lever.
- Slim design** for access into difficult riveting places.
- Provided with additional nosepieces and a key.

TECHNICAL DATA

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



BM-75



ARTICLE	REFERENCE
BM 75	02BM00750
BM 75 BLISTER	92BM00750
BM 75 PLASTIC BOX BM-75 + rivets assortment	02BM0075PB
BM 75 METAL BOX BM-75 + rivets assortment	02BM00752

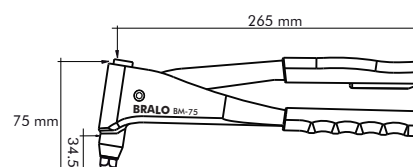
RIVET Ø m/m	MATERIALS			
	Aluminium	Steel	Inox	Copper
2,4	✓		✓	
3,0 - 3,2	✓	✓	✓	✓
4,0	✓	✓	✓	✓
4,8 - 5,0	✓			

DETAILS

- Main body cast in **aluminium**.
- Light tempered steel lever.
- Slim design for access into difficult riveting places.
- Ergonomic handles** for minimum operating effort.
- For use **both in and outdoors**.
- A cavity within the tool for the additional nosepieces.

TECHNICAL DATA

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



BM-85



ARTICLE	REFERENCE
BM 85	02BM00850
BM 85 PLASTIC BOX BM-85 + rivets assortment	02BM0085PB
BM 85 METAL BOX BM-85 + rivets assortment	02BM00852

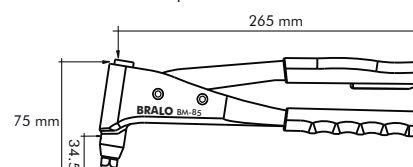
RIVET Ø m/m	MATERIALS			
	Aluminium	Steel	Inox	Copper
2,4	✓		✓	
3,0 - 3,2	✓	✓	✓	✓
4,0	✓	✓	✓	✓
4,8 - 5,0	✓			

DETAILS

- Intermediate lever system** reduces power requirement and effects shock-absorption.
- Main body cast in **aluminium**.
- Light tempered steel lever.
- Slim design for access to difficult riveting places.
- Ergonomic handles facilitate the riveting process.
- A cavity within the tool for the additional nosepieces.

TECHNICAL DATA

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

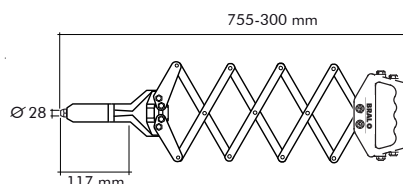


DETAILS

- **Extra long nose to** for access 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.

TECHNICAL DATA

WEIGHT: 1.920 grs.
 LENGTH CLOSED: 300 mm.
 LENGTH OPEN: 755 mm.
 STROKE: 8 mm.
 CAPACITY: Up to 6,4 mm.



ARTICLE	REFERENCE
BM 67	02BM00670

RIVET Ø m/m	MATERIALS			
	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 BET-2



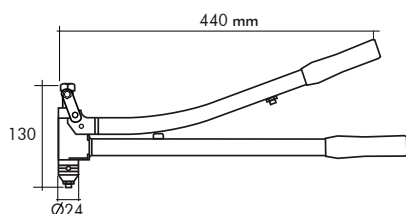
BM-92

DETAILS

- 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.

TECHNICAL DATA

WEIGHT: 1.590 grs.
 LENGTH CLOSED: 440 mm.
 STROKE: 10 mm.
 CAPACITY: Up to 6,0 mm.



ARTICLE	REFERENCE
BM 92	02BM00920

RIVET Ø m/m	MATERIALS			
	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.



BM-160

MANUAL RIVETING TOOLS For Rivets



ARTICLE	REFERENCE
BM 160	02BM01600
BM 160 PLASTIC BOX	02BM01602

RIVET Ø m/m	MATERIALS			
	Aluminium	Steel	Inox	Copper
3,0 - 3,2	✓	✓	✓	✓
4,0	✓	✓	✓	✓
4,8	✓	✓	✓	✓
4,8 Structural	*	*	*	
5,0	✓			
6,0	✓	✓	✓	
5,2 S-trebol	*			
6,4 S-trebol	**			

* It needs special nosepiece that is supplied as accessory.

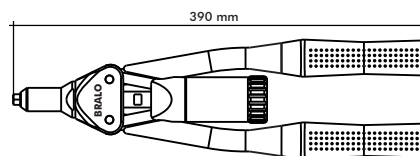
** It needs special nosepiece and jaws that are supplied as accessories.

DETAILS

- Heavy duty short arm riveter.
- 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** that contributes to the cleanliness and safety of the working area.
- **Solid, safe and durable tool.**
- Supplied with additional nosepieces.

TECHNICAL DATA

WEIGHT: 1360 grs.
LENGTH: 390 mm.
STROKE: 10 mm.
CAPACITY: Up to 6 mm aluminium and 6,4 S- Trebol.



BM-164



ARTICLE	REFERENCE
BM 164	02BM01640
BM 164 PLASTIC BOX	02BM01642

RIVET Ø m/m	MATERIALS			
	Aluminium	Steel	Inox	Copper
4,8	✓	✓	✓	✓
5,0	✓	✓	✓	✓
6,0	✓	✓	✓	
6,4	✓	✓	✓	
6,5 Structural	**	**	**	
5,2 S-Trebol	*			
6,4 S-Trebol	*			
7,7 S-Trebol	**			

* It needs special nosepiece that is supplied as accessory.

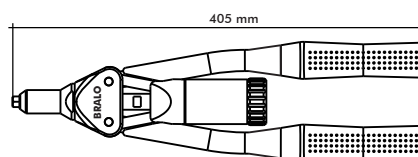
** It needs special nosepiece and jaws that are supplied as accessories.

DETAILS

- 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** that contributes to the cleanliness and safety of the working area.
- **Powerful, safe and durable tool.**
- Supplied with additional nosepieces.

TECHNICAL DATA

WEIGHT: 1420 grs.
LENGTH: 405 mm.
STROKE: 10 mm.
CAPACITY: Up to 6,5 structural and 7,7 S-trebol

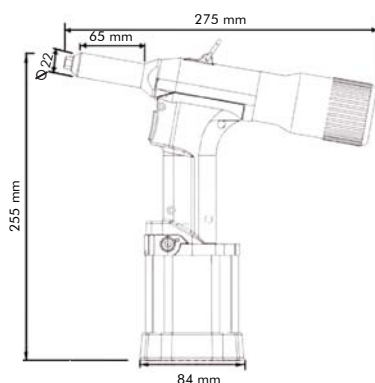


DETAILS

- A lightweight and fast tool.
- Main body manufactured in a high density aluminium casting.
- Compressed air employed for the riveting process is use for the machine recovery too.
- Comfortable and ergonomic handle.
- Higher resistant rubber base.
- Balanced centre of gravity.
- Mandrel collector for cleanliness and safety.
- Provided with a hanging ring.

TECHNICAL DATA

WEIGHT: 1.690 grs.
LENGTH: 275mm.
HEIGHT: 255mm.
WIDE: 84mm.
STROKE: 16 mm.
CAPACITY: Up to 5,0 mm.



ARTICLE	REFERENCE
BM 516	02BM05160

RIVET Ø m/m	MATERIALS			
	Aluminium	Steel	Inox	Copper
2,4	✓		✓	
3,0	✓	✓	✓	✓
3,2	✓		✓	
3,2 - 4,0 Hardgrip		✓	✓	
4,0	✓	✓	✓	✓
4,8	✓			
5,0	✓			



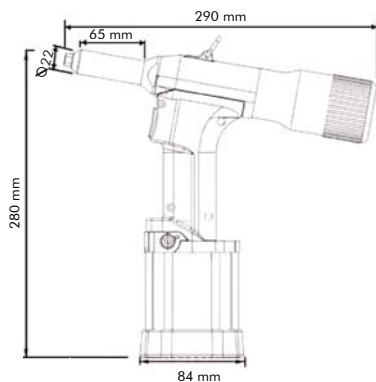
BM-525

DETAILS

- A lightweight and fast tool designed for trebol rivet up to 5,2.
- Main body manufactured in a high density aluminium casting.
- Compressed air employed for the riveting process is use for the machine recovery too.
- Comfortable and ergonomic handle.
- Higher resistant rubber base.
- Balanced centre of gravity.
- Mandrel collector for cleanliness and safety.
- Provided with a hanging ring.

TECHNICAL DATA

WEIGHT: 1.760 grs.
LENGTH: 290mm.
HEIGHT: 280mm.
WIDE: 84mm.
STROKE: 25 mm.
CAPACITY: Up to 5,0 mm and 5,2 S-trebol.



ARTICLE	REFERENCE
BM 525	02BM05250

RIVET Ø m/m	MATERIALS			
	Aluminium	Steel	Inox	Copper
2,4	*		*	
3,0	*	*	*	*
3,2	*	*	*	*
3,2 Hardgrip		*	✓	
4,0 Hardgrip		✓	✓	
4,0	✓	✓	✓	✓
4,8 - 5,0	✓			
5,2 S-Trebol	*			

* It needs a nosepiece that is supplied as accessory.



BM-718

PNEUMATIC RIVETING TOOLS For Rivets



ARTICLE	REFERENCE
BM 718	02BM07180

RIVET Ø m/m	MATERIALS			
	Aluminium	Steel	Inox	Copper
2,4	*		*	
3,0 - 3,2	✓	✓	✓	✓
4,0 - 4,8	✓	✓	✓	✓
4,8 Structural	*	*	*	
5,0	✓			
6,0	✓			
5,2-6,4 S-trebol	*			

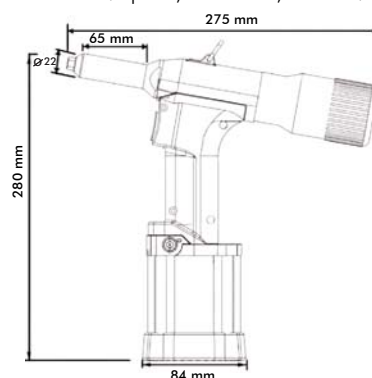
* It needs special nosepiece that is supplied as accessory.

DETAILS

- Excellent strenght and weight, special tool for 6,4 trebol.
- Main body manufactured in a high **density aluminium casting**.
- **Compressed air** employed for the riveting process is use for the machine recovery too.
- **Comfortable and ergonomic handle**.
- Higher resistant rubber base.
- **Balanced centre of gravity**.
- Mandrel collector for cleanliness and safety.
- Provided with a hanging ring.

TECHNICAL DATA

WEIGHT: 1.770 grs.
LENGTH : 275 mm.
HEIGHT: 280 mm.
WIDE: 84 mm.
STROKE: 18 mm.
CAPACITY: Up to 6,0 mm and 6,4 S-Trebol.



BM-917



ARTICLE	REFERENCE
BM 917	02BM09170

RIVET Ø m/m	MATERIALS			
	Aluminium	Steel	Inox	Copper
4,8	✓	✓	✓	✓
5,0	✓	✓	✓	
6,0 - 6,4	✓	✓	✓	
6,4 Hardlock	***	***	***	
4,8 Hardgrip		✓	✓	
6,0 Hardgrip		✓	✓	
4,8 Structural	*	*	*	
6,5 Structural	**	**	**	
5,2-6,4 S-Trebol	*			
7,7 S-Trebol	**			

* It needs special nosepiece that is supplied as accessory.

** It needs special nosepiece and jaws that are supplied as accessories.

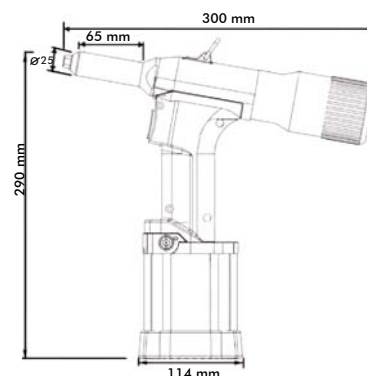
*** It needs special jaws that are supplied as accessory.

DETAILS

- High capacity and powerful tool.
- Ideal for harlock 6,4 mm.
- Main body manufactured in a high **density aluminium casting**.
- **Compressed air** employed for the riveting process is use for the machine recovery too.
- **Comfortable and ergonomic handle**.
- Higher resistant rubber base.
- **Balanced centre of gravity**.
- Mandrel collector to get cleanliness and safety.
- Provided with a hanging ring.

TECHNICAL DATA

WEIGHT: 2.420 grs.
LENGTH : 300 mm.
HEIGHT: 290 mm.
WIDE: 144 mm.
STROKE: 18 mm.
CAPACITY: Up to 6,4 Hardlock and 7,7 S-Trebol.



PNEUMATIC RIVETING TOOLS For Rivets

BM-928

RIVET Ø m/m	MATERIALS			
	Aluminium	Steel	Inox	Copper
4,8	**	**	**	**
5,0	**	**	**	**
6,0 - 6,4	**	**	**	**
4,8 Hardgrip		**	**	
6,0 Hardgrip		*	*	
4,8 Structural	**	**	**	
6,5 Structural	✓	✓	✓	
5,2-6,4 S-Trebol	**			
7,7 S-Trebol	*			

* It needs special nosepiece that is supplied accessory.

** It needs special nosepiece and jaws that are supplied as accessories.

DETAILS

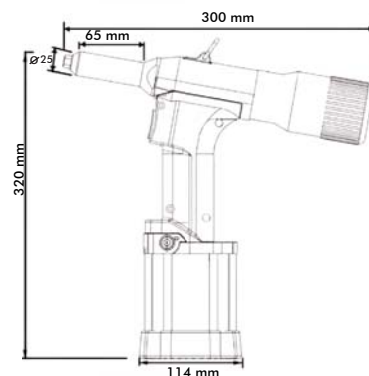
- The highest of the range BM designed to set rivets with big diameters.
- Main body manufactured in a high density aluminium casting.
- Compressed air employed for the riveting process is use for the machine recovering too.
- Comfortable and ergonomic handle.
- Higher resistant rubber base.
- Balanced centre of gravity.
- Mandrel collector for cleanliness and safety.
- Provided with a hanging ring.

TECHNICAL DATA

WEIGHT: 2.570 grs.
LENGTH: 300 mm.
HEIGHT: 320 mm.
WIDE: 114mm.
STROKE: 28 mm.
CAPACITY: Up to 6,5 Structural y 7,7 S-Trebol.



ARTICLE	REFERENCE
BM 928	02BM09280



PNEUMATIC RIVETING TOOLS For Speed Rivets

RR-10

SPEED RIVET Ø m/m	MATERIALS			
	Aluminium	Steel	Inox	Copper
3,2	✓	✓	✓	✓
4,0	✓	✓	✓	✓
4,8	✓	✓	✓	✓

REFERENCE	ARTICLE
RR-10 Ø 3,2	02RR00103
RR-10 Ø 4,0	02RR00104
RR-10 Ø 4,8	02RR00105

DETAILS

- 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: 550 mm.
STROKE: 21 mm.
CAPACITY: Up to 4,8 mm.



BET-1

ELECTRONIC TOOLS For Rivets



ARTICLE	REFERENCE
BET-1 with 1 battery 1,4Ah.	02BET1010
BET-1 with 2 batteries 1,4Ah.	02BET1020

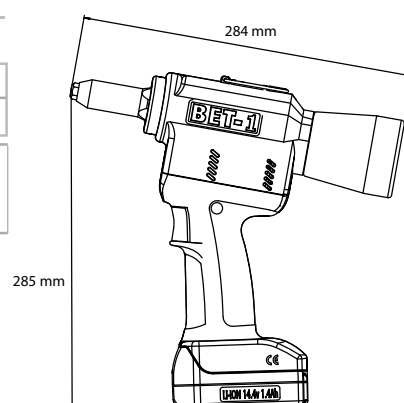
RIVET Ø m/m	MATERIALS		
	Aluminium	Steel	Inox
2,4	✓	✓	✓
3,0 - 3,2	✓	✓	✓
4,0	✓	✓	✓
4,8 - 5,0	✓	✓	✓

DETAILS

- Ergonomic and comfortable handle.
- Well balanced design for a best usage.
- High sensibility in the trigger.
- Powerful Li-ion battery.
- Fast empty mandrel collector.
- Battery life indicator.
- Provided with a hanging ring.
- Traction Power: 10.000 N.

TECHNICAL DATA

WEIGHT: 1.690 grs.
LENGTH : 284 mm.
STROKE: 20 mm.
CAPACITY: Up to 5,0 mm
WEIGHT battery 1,4 Ah.: 0,34 kg.
WEIGHT battery 2,8 Ah.: 0,58 kg.
Powerbattery: 14.4 V.



BET-2



ARTICLE	REFERENCE
BET-2 with 1 battery 2,8Ah.	02BET2010

RIVET Ø m/m	MATERIALS		
	Aluminium	Steel	Inox
4,0 - 4,8 - 5,0		✓	✓
6,0 - 6,4		✓	✓
4,8 - 6,0 Hardgrip		✓	✓
6,4 Hardlock	✓	✓	✓
4,8 Structural		✓	✓
6,5 Structural		✓	✓
5,2 S-Trebol	*		
7,7 S-Trebol	*		

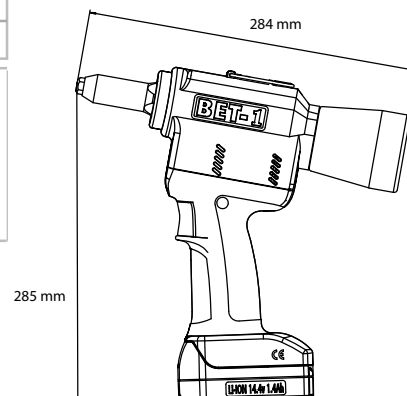
* It needs special components that are supplied as accessories.

DETAILS

- Ergonomic and comfortable handle.
- Well balanced design for a best usage.
- High sensibility in the trigger.
- Powerful Li-ion battery.
- Fast empty mandrel collector.
- Battery life indicator.
- Provided with a hanging ring.
- Traction Power: 18.000 N.

TECHNICAL DATA

WEIGHT: 1.690 grs.
LENGTH: 284 mm.
STROKE: 27 mm.
CAPACITY: Up to 6,5 mm Structural
WEIGHT battery 1,4 Ah.: 0,34 kg.
WEIGHT battery 2,8 Ah.: 0,58 kg.
Powerbattery: 14.4 V.



MANUAL RIVETING TOOLS For Insert Nut

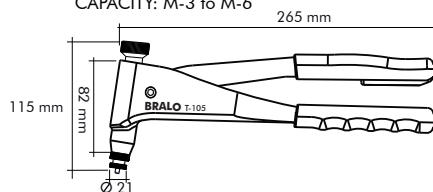
T-105

DETAILS

- For easy and safe setting of blind rivet nuts both in and outdoors.
- Slim design for access into difficult riveting places.
- Main body made in **resistant aluminium alloy**.
- Light tempered **Steel Lever**.
- **Ergonomic handles** to get a better riveting.
- Nosepiece spanner fixed on the tool.

TECHNICAL DATA

WEIGHT: 670 grs.
LENGTH: 265 mm.
WIDE: 115 mm.
STROKE: 7,5 mm.
CAPACITY: M-3 to M-6



REFERENCE	ARTICLE
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T 105	02TR01050
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T 105 PLASTIC BOX	02TR0105PB T-105 + Assortment M3, M4, M5 and M6 Steel Insert Nuts.
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T 105 METAL BOX	02TR01052 T-105 + Assortment M4, M5 and M6 Steel Insert Nuts.
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INSERT NUT Ø m/m	MATERIALS			
	Aluminium	Steel	Inox	Brass
M-3	✓	✓	✓	✓
M-4	✓	✓	✓	✓
M-5	✓	✓	✓	✓
M-6	✓	✓	✓	✓



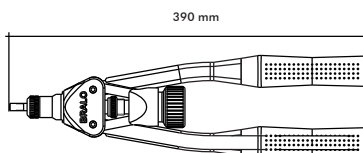
TR-308

DETAILS

- 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 insert nut with a **central rotating handle**

TECHNICAL DATA

WEIGHT: 1.470 grs.
LENGTH: 390 mm.
STROKE: 7.0 mm.
CAPACITY: M-3 to M-8.



REFERENCE	ARTICLE
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TR 308 PLASTIC BOX	02TR03080
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INSERT NUT Ø m/m	MATERIALS			
	Aluminium	Steel	Inox	Brass
M-3	✓	✓	✓	✓
M-4	✓	✓	✓	✓
M-5	✓	✓	✓	✓
M-6	✓	✓	✓	✓
M-8	✓	✓	✓	✓

* It needs special nosepieces and mandrels (female) for grooved stud nuts that are supplied as accessories.



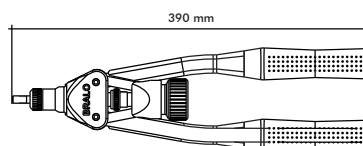
TR-312

DETAILS

- 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 insert nut with a **central rotating handle**.

TECHNICAL DATA

WEIGHT: 1.510 grs.
LENGTH: 390 mm.
STROKE: 7.0 mm.
CAPACITY: M-6 to M-12.



REFERENCE	ARTICLE
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TR 312 PLASTIC BOX	02TR03120
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INSERT NUT Ø m/m	MATERIALS			
	Aluminium	Steel	Inox	Brass
M-6	✓	✓	✓	✓
M-8	✓	✓	✓	✓
M-10	✓	✓	✓	✓
M-12	✓	✓	✓	✓



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REMACHES - BLIND RIVETS - RIVETS - BLINDNIETE - RIVETTI - REBITES
TUERCAS REMACHABLES - INSERT NUTS - ECROUS À SERTIR - BLINDNIETMUTTERN - INSERTI - PORCAS A REBITAR



PNEUMATIC RIVETING TOOLS For Insert Nut



DETAILS

- Main body manufactured in a high **density aluminium casting**.
- Oleopneumatic cylinders are made of high quality steel.
- **Compressed air** employed for the riveting process is use for the machine recovery too.
- **Comfortable and ergonomic handle**.
- Higher resistant rubber base.
- **Balanced centre of gravity**.
- Mandrel collector for cleanliness and safety.
- Provided with a hanging ring.
- **Powerful and fast tool**.

TR-1001

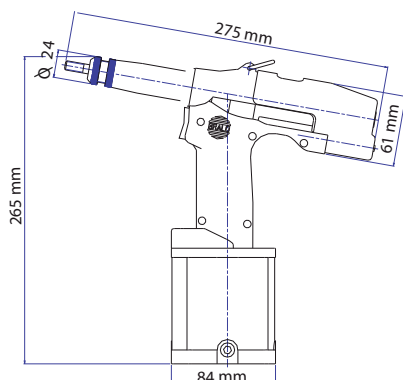
REFERENCE	ARTICLE
TR 1001	02TR10010

INSERT NUT Ø m/m	MATERIALS			
	Aluminium	Steel	Inox	Brass
M-4	✓	✓	✓	✓
M-5	✓	✓	✓	✓
M-6	✓	✓	✓	✓
M-8	✓	✓		

* It needs special nosepieces and mandrels (female) for grooved stud nuts that are supplied as accessories.

TECHNICAL DATA

WEIGHT: 2.000 grs.
LENGTH : 275 mm.
HEIGHT: 265 mm.
WIDE: 84 mm.
STROKE: 21 mm.
CAPACITY: Up to M-8



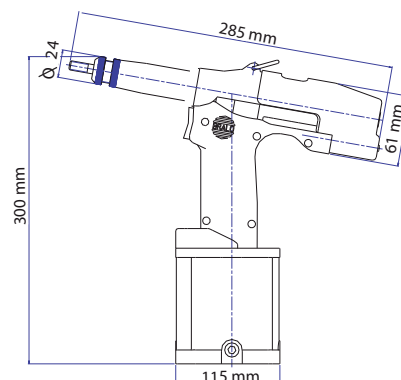
TR-2001

REFERENCE	ARTICLE
TR 2001	02TR20010

INSERT NUT Ø m/m	MATERIALS			
	Aluminium	Steel	Inox	Brass
M-4	✓	✓	✓	✓
M-5	✓	✓	✓	✓
M-6	✓	✓	✓	✓
M-8	✓	✓	✓	✓
M-10	✓	✓	✓	✓
M-12	✓	✓		

TECHNICAL DATA

WEIGHT: 2.850 grs.
LENGTH : 285 mm.
HEIGHT: 300 mm.
WIDE: 115 mm.
STROKE: 21 mm.
CAPACITY: Up to M-12



CATALOGUE

Blind rivets, Insert nuts and Riveting Tools

COMMERCIAL DELEGATIONS

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