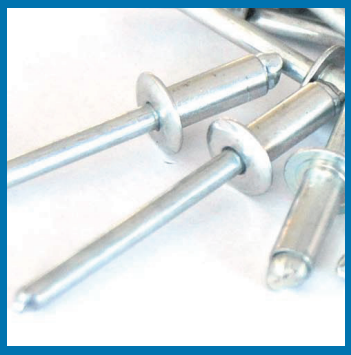
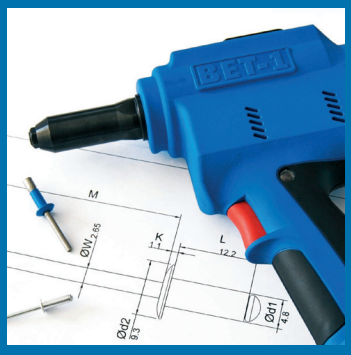
CATALOGUE

PROFESSIONALS IN FIXING SYSTEMS

BLIND RIVETS, INSERT NUTS AND TOOLS





www.bralo.com

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.

GLOBAL EXPERTISE IN FASTENING SOLUTIONS

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DISTRIBUTORS

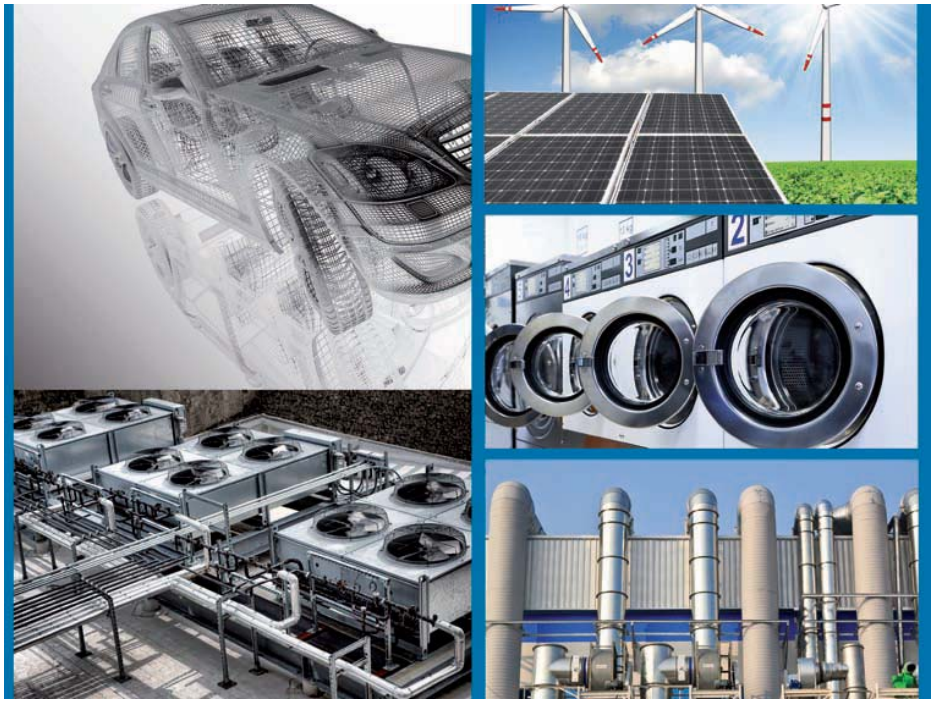
Austria
USA
Uruguay
Argentina
Chile
Russia

02/2015

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.



EXCELLENCE IN MANUFACTURING

In all production plants exists a quality system plan based on an exigent inspection requirements for raw materials, products and machinery. We have the most advanced technology for computer control throughout the production process and all our plants operate automatically.

QUALITY CERTIFICATIONS

BRALO´s drive for ongoing improvement of its products and services leads us to manage a quality system based on constant 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.

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BRALO Products

BRALO fastening elements have been developed from their inception over 30 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 have more than 3,000 references in the market, to meet the expectations of customers; from blind rivets, structural rivets and lockbolts.

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 manufacture 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 wide variety of materials, including soft materials, fragile materials, thin sheets and plastic.

INSTALLATION EQUIPMENT

ELECTRONIC RIVETING TOOLS

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

Our new BET range offers 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.

HAND TOOLS

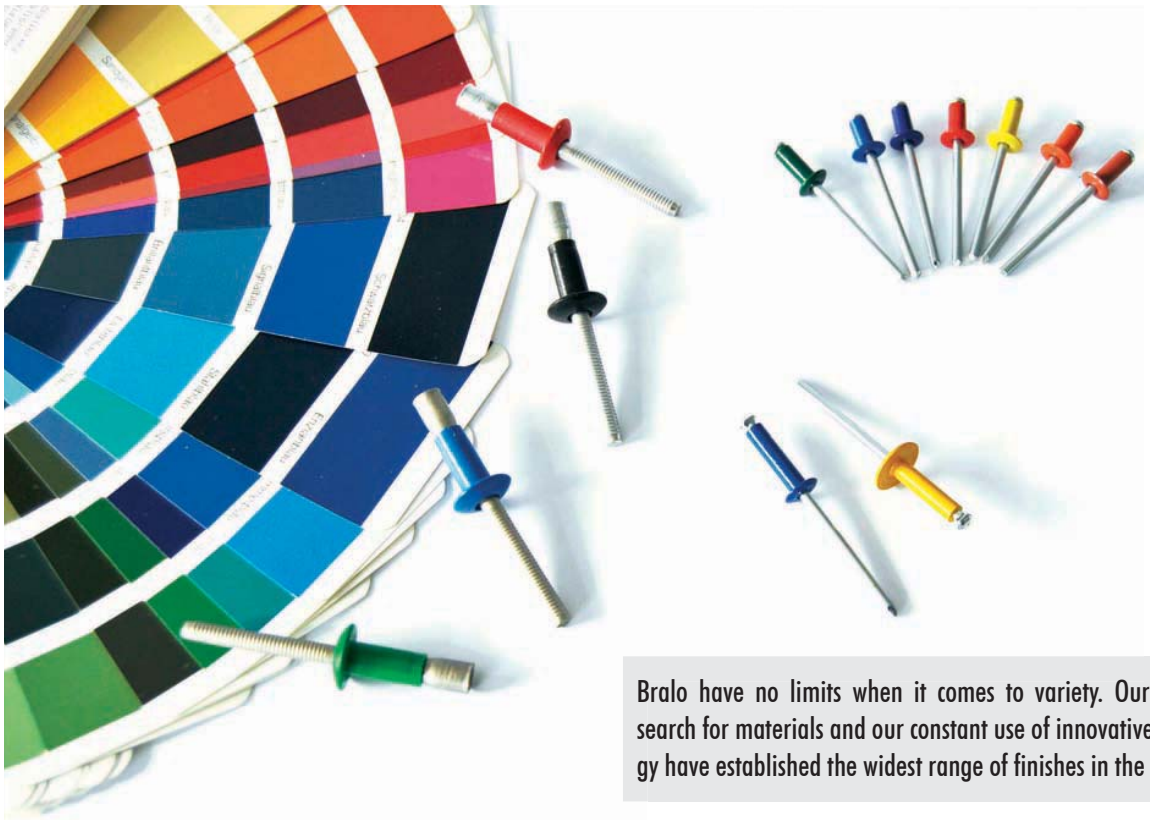
The most extensive search for quality and our constant improvement policy make BRALO Manual Tools distinguished for their ergonomics, lightness and durability.

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.

Lacquers and colours



Bralo have no limits when it comes to variety. Our extensive search for materials and our constant use of innovative technology have established the widest range of finishes in the market.

EPOXY PAINTING

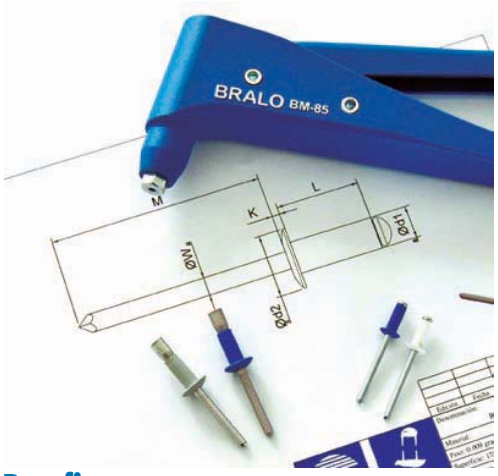
Bralo standard rivets are available in an infinity of lacquering with liquid epoxy painting. From black to white, we have a range of over 100 RAL colours and we can make special lacquering upon request.

With working alongside the customer, we can make custom designs adapting to the specific needs of every application.

COLOUR/RAL

Bronze Anodised	Yellow 1021	Blue 5007	Blue 5008	Grey 7038	Grey 7031	Grey 7012	Brown 8019	Red 3000	Green 6009
Brown Anodised	Yellow 1104	Blue 5001	Blue 5000	Grey 9006	Grey 7030	Grey 7013	Brown 8024	Red 3009	Green 6024
Black Anodised	Yellow 1028	Blue 5012	Blue 5018	Grey 7022	Grey 7040	Grey 7023	Brown 8004	Red 3020	Green 6013
Gold Anodised	Yellow 1006	Blue 5021	Cream 1014	Grey 9002	Grey 7011	Grey 7043	Brown 8017	Red 3027	Green 6008
Silver Anodised	Yellow 1003	Blue 5009	Cream 1011	Grey 7024	Grey 7005	Grey 7042	Brown 8003	Red 3030	Green 6011
Copper Anodised	Yellow 1004	Blue 5003	Cream 1015	Grey 7035	Grey 7015	Grey 7046	Brown 8028	Red 3016	Green 6019
White 9010	Yellow 1018	Blue 5013	Cream 1013	Grey 7037	Grey 7004	Grey 7048	Brown 8025	Red 3002	Green 6020
White 9001	Yellow 1023	Blue 5008	Burgundy 3005	Grey 9018	Grey 7021	Grey 7008	Brown 8007	Red 8012	Green 6018
White 9016	Yellow 1017	Blue 5005	Burgundy 3007	Grey 7032	Grey 7047	Orange 2004	Brown 8001	Pink 3012	Green 6028
White 9003	Yellow 1034	Blue 5014	Burgundy 3011	Grey 9007	Grey 7033	Orange 2000	Brown 8022	Green 6002	Green 6032
Black 9005	Yellow 1032	Blue 5022	Cream 1001	Grey 7016	Grey 7003	Orange 2001	Brown 8015	Green 6005	Green 6027
Black 9011	Blue 5010	Blue 5002	Cream 1002	Grey 7000	Grey 7009	Brown 8014	Brown 8023	Green 6021	Green 6029

Blind Rivet



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 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 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.

EXTENSIVE 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.

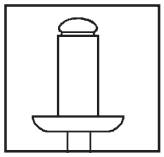
HIGH QUALITY MATERIAL

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

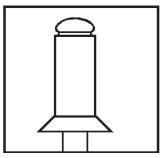
PERSONALISED DESIGNS

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.

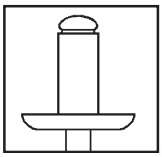
TYPES OF HEAD



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



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

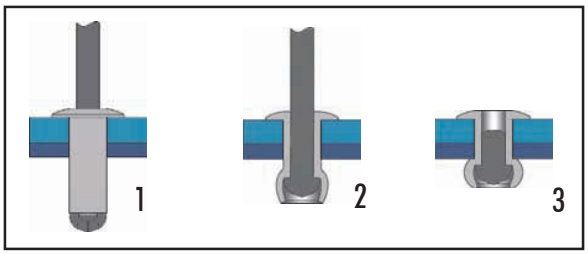
Technical data

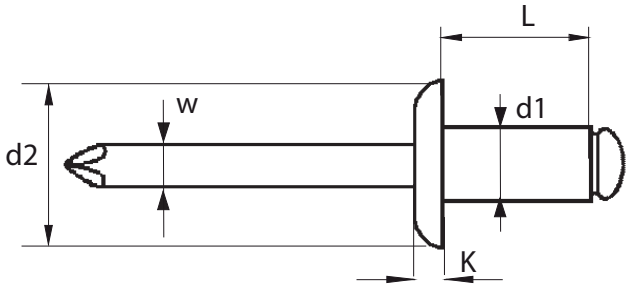
With our fast installation, reduced operation cost and high productivity, there is always a solution at Bralo.

1. Put the rivet into 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.





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

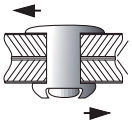
Diameter of the hole (mm)

Grip range (mm)

STRENGTH

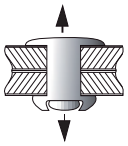
Shear strength (N)

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

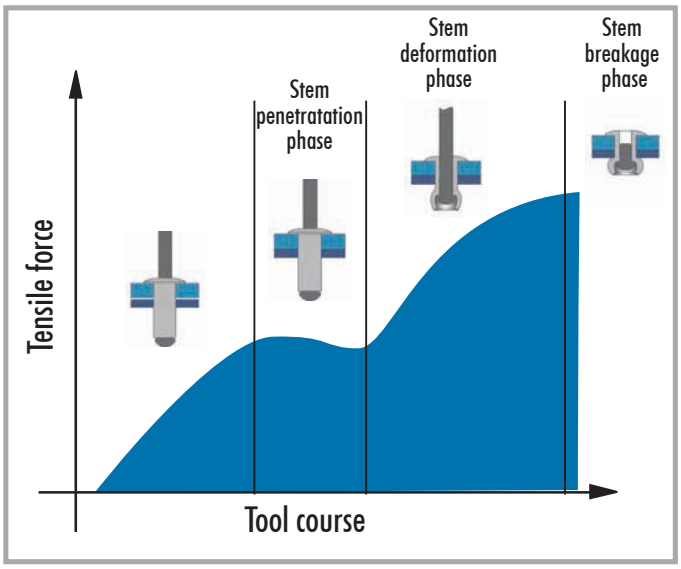


Tensile force (N)

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



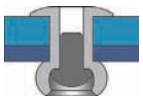
RIVETED STRENGTH PROCESS



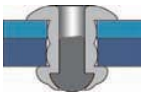
Blind Rivets Types

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.

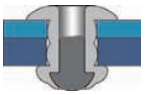
STANDARD RIVET
Wide grip range.
Where especially high torque force is not needed.
Great variety of materials.
Fast, simple with great quality assembly.



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

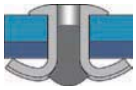


HARDVEX RIVET
Multigrip features.
High shear and tensile strength.
Provides vibration resistance.
Especially suitable to work with thin and soft materials.

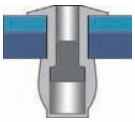


TREBOL RIVET
Multigrip features.
High resistance to corrosion.
Mandrel locking system.
Designed to fasten rigid materials to soft or low resistance materials.

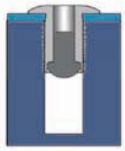
PEELED RIVET
Creates a locking head with a big diameter.
Ideal for the use in applications with soft or low resistance materials.
Allows for use in oversized holes.
Spreads the load and clamping force over a wide area.



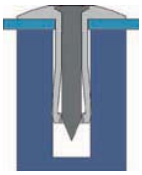
SEALED RIVET
Moisture and pressure tight.
The joints are completely sealed to fluids, avoiding leakage of liquids or vapors.
Reduces the risk of electrical problems or vibrations.
The mandrel is completely locked within the head.



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.

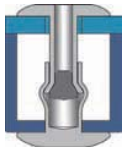


DRIVE RIVET
Effective method of joining sheets and profiles to soft and fibrous surfaces or roofs.
This fastener does not need through holes.
Large head creates a wide bearing area.
Resistant to corrosion.



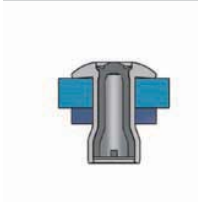
PROFILE CLINCHER
Specially designed for a fast and safe joining of moulds and clips.
Used in the automotive and metalwork industries.
Staggered body.
Fast and simple with reduced cost assembly.

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.

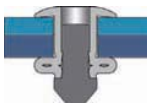


STRUCTURAL RIVETS: these are designed to meet the most demanding of applications, where an exceptional resistance for both tensile and shear strength is needed. Quick and easy to install, they provide unalterable fastening for extensive periods of time.

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.
The hole is filled thoroughly.



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.

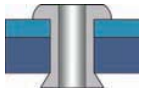
BRALOCK
Multi-grip range features.
Designed to have high tensile and shear strength.
Provides vibration resistance.
Used in industrial applications.

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 that guarantee an increase in productivity. There are no interruptions and up to 60 rivets per minute can be set.

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.
Excellent hole filling properties.
Good resistance to shear strength.



SPECIAL RIVETS AND ACCESSORIES:

MASS-RIVETS
Conceived to effectively earth on painted sheets without damaging the finish.
Optimal conductivity and a solid and resistant fastening.

COPPERED NAILS
Ideal for repairing dents in bodywork.
Manufactured in steel and plated in copper ready to spot 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 applied 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.

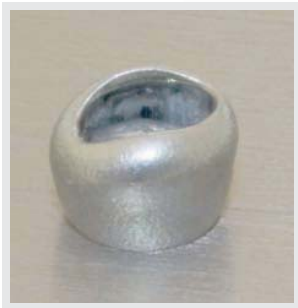
STEEL WASHERS FOR RIVETS
Used when the back side of the application is made of a soft or brittle material (plastic, wood, etc.) or when the holesize is drilled in the back end.
Useful in repairs as a consequence of replacing rivets.

NEOPRENE WASHERS FOR RIVETS
Creates a locking head in blind rivets and in end closed insert nuts.
They are extremely easy to use.

Aluminium Rivets

STANDARD RIVET

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



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.

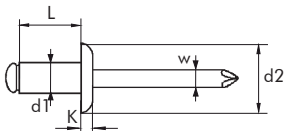
SHEAR AND TENSILE STREGTH
The Aluminium Magnesium Rivets offer **more resistance to the shear and tensile strength**. The BRALO Structural Rivets and Lockbolts are the best to use on applications with strong loads.

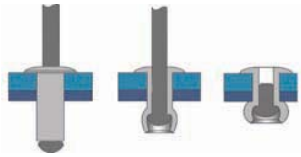
ENDINGS:
Sometimes the colour rivet must be adjusted to the aesthetic characteristics of the applications. The BRALO Rivets have countless lacquers, with epoxy spray paint. We have more than 100 colours from white to black according to the RAL standard.

ALUMINIUM/STEEL

BODY: Aluminium Al Mg 3,5

MANDREL: Steel Zincplated A1K

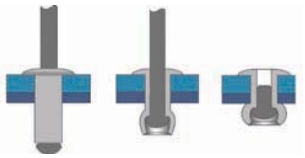




UNE - EN ISO 15977 — **Tests according to EN ISO 14589**

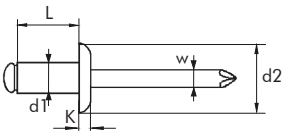
d1 ∅ mm	L Nominal mm	mm	d2 ∅ mm	K mm	W ∅ mm	PACKAGING Inner	PACKAGING Outer	E mm MIN. - MÁX.	(N)	(N)	REFERENCE
2,4	**4**	2,50	5,00	0,60	1,45	1.000	8.000	0,5 - 2,0	350	550	01010002404
	6					1.000	8.000	2,0 - 4,0			01010002406
	8					1.000	8.000	4,0 - 6,0			01010002408
	10					1.000	8.000	6,0 - 8,0			01010002410
	12					1.000	8.000	8,0 - 9,5			01010002412
3,0	**4**	3,10	6,00	1,00	1,80	500	4.000	0,5 - 1,5	550	850	01010003004
	5					500	4.000	0,5 - 2,5			01010003005
	6					500	4.000	1,5 - 3,5			01010003006
	7					500	4.000	1,5 - 4,5			01010003007
	8					500	4.000	3,5 - 5,0			01010003008
	9					500	4.000	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 -21,0			01010004025
	30					250	1.500	21,0 -26,0			01010004030
	35					250	1.500	26,0 -31,0			01010004035
	40					250	1.500	31,0 -36,0			01010004040
4,8	**6**	4,90	9,50	1,50	2,65	500	3.000	0,5 - 3,0	1850	2600	01010004806
	8					500	3.000	3,0 - 4,5			01010004808
	10					500	3.000	4,5 - 6,0			01010004810
	12					500	3.000	6,0 - 8,0			01010004812
	14					250	2.000	8,0 - 10,0			01010004814
	16					250	2.000	10,0 - 12,0			01010004816
	18					250	1.500	12,0 - 14,0			01010004818
	21					250	1.500	14,0 - 17,0			01010004821
	24					200	1.200	17,0 - 20,0			01010004824
	27					200	1.200	20,0 - 23,0			01010004827
	30					200	1.200	23,0 - 25,0			01010004830
	32					150	900	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

ALUMINIUM/STEEL



BODY: Aluminium Al Mg 3,5

MANDREL: Steel Zincplated A1K



UNE - EN ISO 15977

Tests according to EN ISO 14589

d1 ∅ mm	L Nominal mm	mm	d2 ∅ mm	K mm	W ∅ mm	PACKAGING Inner	PACKAGING Outer	E mm MIN.	E mm 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	3400	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	5000	7500	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 REFERENCE	PAINTED BLACK RAL 9005 REFERENCE	REST OF THE PAINTED COLOURS REFERENCE	PACKAGING Inner	PACKAGING 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

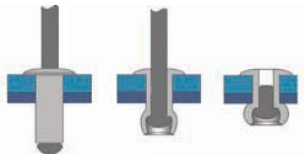
AVAILABLE COLOURS ACCORDING TO RAL CART

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

The name of the colours is for guidance only.
Example: Bronze rivet 4,8x35 01010AB4835

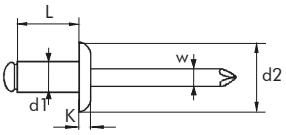
ALUMINIUM/STEEL

STANDARD RIVET TUBE
Dome head



BODY: Aluminium Al Mg 3

MANDREL: Steel Zincplated A1K



UNE - EN ISO 15977

Tests according to EN ISO 14589

d1 Ø mm	L Nominal mm	mm	d2 Ø mm	K mm	W Ø mm	PACKAGING Inner	PACKAGING Outer	E mm MIN.	E mm MÁX.	(N)	(N)	REFERENCE
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
	170						250	155,0	165,0			010500050170
	180						250	165,0	175,0			010500050180
	190						250	175,0	185,0			010500050190
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

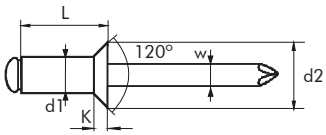
d1 Ø m/m	L Nominal m/m	PAINTED WHITE REFERENCE	REST OF THE PAINTED COLOURS REFERENCE	PACKAGING Inner	PACKAGING Outer
4,0	35	01050BL4035	01050 4035	250	1.500
	40	01050BL4040	01050 4040	250	1.500
5,0	40	01050BL5040	01050 5040	150	900
	45	01050BL5045	01050 5045	100	600
	50	01050BL5050	01050 5050	100	600
	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 120º

ALUMINIUM/STEEL

BODY: Aluminium Al Mg 3,5

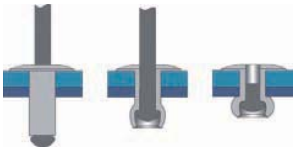
MANDREL: Steel Zincplated A1K



UNE - EN ISO 15978 **Tests according to EN ISO 14589**

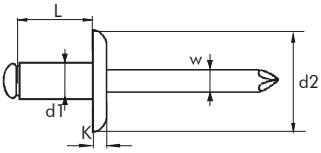
d1 Ø mm	L Nominal mm	mm	d2 Ø mm	K mm	W Ø mm	PACKAGING Inner	PACKAGING Outer	E mm MIN. - MÁX.	(N)	(N)	REFERENCE
2,4	6	2,50	5,00	0,80	1,45	1.000	8.000	2,0 - 4,0	350	550	01020002406
	8					1.000	8.000	4,0 - 6,0			01020002408
	10					1.000	8.000	6,0 - 8,0			01020002410
3,0	6	3,10	6,00	1,10	1,80	500	4.000	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

ALUMINIUM/STEEL



BODY: Aluminium Al Mg 3,5

MANDREL: Steel Zincplatedt A1K



Tests according to EN ISO 14589

d1 ∅ m/m	L Nominal m/m	m/m	d2 ∅ m/m	K m/m	W ∅ m/m	PACKAGING Inner	PACKAGING Outer	E m/m MIN. - MÁX.	(N)	(N)	REFERENCE
3,2	6	3,30	9,50	1,10	1,80	500	4.000	0,5 - 3,5	750	1100	01030003206
	8					500	4.000	3,5 - 5,0			01030003208
	10					500	4.000	5,0 - 7,0			01030003210
	12					500	4.000	7,0 - 9,0			01030003212
	16					500	3.000	9,0 - 13,0			01030003216
4,0	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
4,8	25	4,90	19,00	1,80	2,65		1.000	17,0 - 20,0	2000	2700	G1041004825
	30						1.000	20,0 - 25,0			G1041004830
5,0	8	5,10	11,00	1,60	2,65	250	2.000	3,0 - 4,5	2150	3100	01031005008
	10					250	2.000	4,5 - 6,0			01031005010
	12					250	2.000	6,0 - 8,0			01031005012
	14					250	1.500	8,0 - 10,0			01031005014
	16					250	1.500	10,0 - 12,0			01031005016
	18					250	1.500	12,0 - 14,0			01031005018
	20					250	1.500	14,0 - 16,0			01031005020
	25					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
6,4	10	6,50	15,00				1.000				G1035006410
	12						1.000				G1035006412

STANDARD RIVET COLOUR
Countersunk head 120º

ALUMINIUM/STEEL

UNE - EN ISO 15978

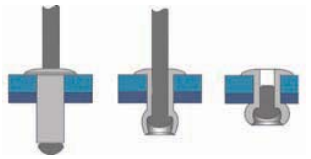
d1 Ø m/m	L Nominal m/m	PAINTED WHITE REFERENCE	PAINTED BLACK REFERENCE	REST OF THE PAINTED COLOURS REFERENCE	PACKAGING Inner	PACKAGING Outer
3,2	6	01020BL3206	01020N03206	01020 3206	500	4.000
	8	01020BL3208	01020N03208	01020 3208	500	4.000
	10	01020BL3210	01020N03210	01020 3210	500	4.000
	12	01020BL3212	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
	35	01020BL4835	01020N04835	01020 4835	150	900

STANDARD RIVET COLOUR
Large head

ALUMINIUM/STEEL

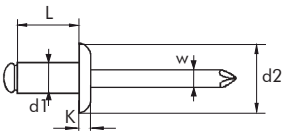
d1 Ø m/m	L Nominal m/m	PAINTED WHITE REFERENCE	PAINTED BLACK REFERENCE	REST OF THE PAINTED COLOURS REFERENCE	PACKAGING Inner	PACKAGING Outer
3,2	6	01030 BL3206	01030 N03206	01030 3206	500	4.000
	8	01030 BL3208	01030 N03208	01030 3208	500	4.000
	10	01030 BL3210	01030 N03210	01030 3210	500	4.000
	12	01030 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

ALUMINIUM/STAINLESS STEEL A2



BODY: Aluminium Al Mg 3,5

MANDREL: Stainless Steel /Inox 304



Tests according to EN ISO 14589

d1 ∅ m/m	L Nominal m/m	m/m	d2 ∅ m/m	K m/m	W ∅ m/m	PACKAGING Inner	PACKAGING Outer	E m/m MIN. - MÁX.	(N)	(N)	REFERENCE
2,4	4	2,50	5,00	0,60	1,45	1.000	8.000	0,5 - 2,0	350	550	01019002404
	5					1.000	8.000	2,0 - 4,0			01019002405
	6					1.000	8.000	2,5 - 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
	10					500	4.000	5,0 - 7,0			01019003010
3,2	6	3,30	6,40	1,00	1,80	500	4.000	1,5 - 3,5	750	1100	01019003206
	8					500	4.000	3,5 - 5,0			01019003208
	10					500	4.000	5,0 - 7,0			01019003210
	12					500	4.000	7,0 - 9,0			01019003212
	15					500	4.000	9,0 - 12,0			01019003215
	18					500	4.000	12,0 - 15,0			01019003218
	20					500	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
	30					200	1.200	23,0 - 25,0			01019004830
	35					150	900	25,0 - 30,0			01019004835
	40					150	900	30,0 - 35,0			01019004840
5,0	8	5,10	9,50	1,60	2,65	500	3.000	3,0 - 4,5	2150	3000	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
	40					150	900	30,0 - 35,0			01019005040
	45					100	600	35,0 - 40,0			01019005045
	50					100	600	40,0 - 45,0			01019005050
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 olcal BRALO representative.

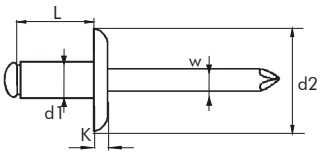
STANDARD RIVET

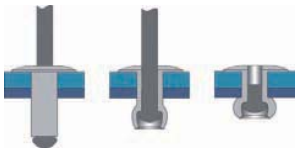
Large head

ALUMINIUM/STAINLESS STEEL A2

BODY: Aluminium Al Mg 3,5

MANDREL: Stainless Steel /Inox 304





Tests according to EN ISO 14589

d1 Ø mm	L Nominal mm	mm	d2 Ø mm	K mm	W Ø mm	PACKAGING Inner	PACKAGING Outer	E mm MIN.	E mm MÁX.	(N)	(N)	REFERENCE
4,0	**8**	4,10	**12,00**	1,40	2,20	500	3.000	1,5 -	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	**21**	4,90	**11,00**	1,60	2,65	250	1.500	14,0 -	17,0	1850	2600	01038004821
4,8	**10**	4,90	**14,00**	1,80	2,65	250	1.500	3,5 -	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	4,5 -	6,0	1850	2600	01049004810
	12					250	1.500	6,0 -	8,0			01049004812
	14					200	1.200	8,0 -	10,0			01049004814
	16					200	1.200	10,0 -	12,0			01049004816
	18					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	**11,00**	1,60	2,65	250	2.000	3,0 -	4,5	2150	3100	01038005008
	10					250	2.000	4,5 -	6,0			01038005010
	12					250	2.000	6,0 -	8,0			01038005012
	14					250	1.500	8,0 -	10,0			01038005014
	16					250	1.500	10,0 -	12,0			01038005016
	18					250	1.500	12,0 -	14,0			01038005018
	20					250	1.500	14,0 -	16,0			01038005020
	25					250	1.500	16,0 -	21,0			01038005025
	30					200	1.200	21,0 -	25,0			01038005030
5,0	**8**	5,10	**14,00**	1,80	2,65	250	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

ALUMINIUM/STAINLESS STEEL A2

STANDARD RIVET COLOUR
Dome head

d1 ∅ m/m	L Nominal m/m	PACKAGING Inner	PACKAGING Outer	PAINTED COLOURS REFERENCE
3,2	6	500	4.000	01019 3206
	8	500	4.000	01019 3208
	10	500	4.000	01019 3210
	12	500	4.000	01019 3212
	15	500	4.000	01019 3215
	18	500	4.000	01019 3218
	20	500	4.000	01019 3220
4,0	6	500	4.000	01019 4006
	8	500	4.000	01019 4008
	10	500	4.000	01019 4010
	12	500	3.000	01019 4012
	14	500	3.000	01019 4014
	16	500	3.000	01019 4016
	18	500	3.000	01019 4018
	20	500	3.000	01019 4020
4,8	6	500	3.000	01019 4806
	8	500	3.000	01019 4808
	10	500	3.000	01019 4810
	12	500	3.000	01019 4812
	14	250	2.000	01019 4814
	16	250	2.000	01019 4816
	18	250	1.500	01019 4818
	21	250	1.500	01019 4821
	24	200	1.200	01019 4824
	30	200	1.200	01019 4830
	35	150	900	01019 4835

ALUMINIUM/STAINLESS STEEL A2

STANDARD RIVET COLOUR
Large head

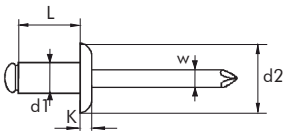
d1 ∅ m/m	L Nominal m/m	PACKAGING Inner	PACKAGING Outer	PAINTED COLOURS REFERENCE	d2 ∅ m/m
4,8	10	250	1.500	01039 4810	14
	12	250	1.500	01039 4812	
	14	250	1.500	01039 4814	
	16	250	1.500	01039 4816	
	18	200	1.200	01039 4818	
	21	200	1.200	01039 4821	
	24	150	900	01039 4824	
	27	150	900	01039 4827	
	30	150	900	01039 4830	
	35	150	600	01039 4835	
4,8	10	250	1.500	01049 4810	16
	12	250	1.500	01049 4812	
	14	200	1.200	01049 4814	
	16	200	1.200	01049 4816	
	18	200	1.200	01049 4818	
	21	150	900	01049 4821	
	24	150	900	01049 4824	
	27	150	900	01049 4827	
	30	150	900	01049 4830	
	35	100	600	01049 4835	
5,0	8	250	2.000	01039 5008	14
	10	250	1.500	01039 5010	
	12	250	1.500	01039 5012	
	14	250	1.500	01039 5014	
	16	250	1.500	01039 5016	
	18	200	1.200	01039 5018	
	20	200	1.200	01039 5020	
	25	150	900	01039 5025	
	30	150	900	01039 5030	

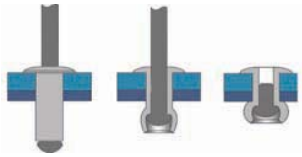
STANDARD RIVET
Dome head

ALUMINIUM/ALUMINIUM

BODY: Aluminium Al Mg Si

MANDREL: Aluminium





Tests according to EN ISO 14589

d1 Ø mm	L Nominal mm	mm	d2 Ø mm	K mm	W Ø mm	PACKAGING Inner	PACKAGING Outer	E mm MIN. - MÁX.	(N)	(N)	REFERENCE
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	950	1200	01160004806
	8					500	3.000	2,5 - 4,0			01160004808
	10					500	3.000	4,0 - 6,0			01160004810
	12					500	3.000	6,0 - 8,0			01160004812
	14					250	2.000	8,0 - 10,0			01160004814
	16					250	2.000	10,0 - 12,0			01160004816
	18					250	1.500	12,0 - 14,0			01160004818
	21					250	1.500	14,0 - 17,0			01160004821
	24					200	1.200	17,0 - 20,0			01160004824
	27					200	1.200	20,0 - 23,0			01160004827

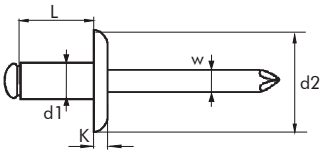
Note: Under request we do manufacture blind rivets aluminium/aluminium with countersunk head (d2).

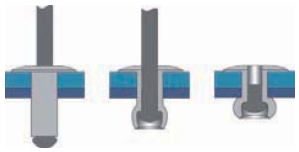
STANDARD RIVET
Large head

ALUMINIUM/ALUMINIUM

BODY: Aluminium Al Mg Si

MANDREL: Aluminium





Tests according to EN ISO 14589

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

MULTIGRIP RIVET

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

PROTECTIVE COATINGS

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. This is only available for aluminium products and it protects the rivet from abrasion and saline corrosion agents. It also allows the product to be tinted in a wide variety of colours.

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

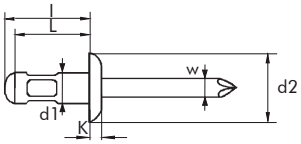
COATINGS AND PASSIVATION	APPEARANCE	USE IN CORROSION CONDITION
Anodised	Silver or black	Severe
Lacquering (epoxic painted)	According to color	Light
Delta-Seal Grey	Grey	Severe
Delta-Seal Black	Black	Severe

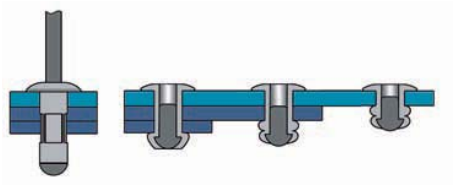
MULTIGRIP RIVET
Dome head

ALUMINIUM/STEEL

BODY: Aluminium Al-Mg 2,5

MANDREL: Steel Zincplated A1K





Tests according to EN ISO 14589

d1 Ø m/m	L Nominal	m/m	d2 Ø m/m	K m/m	W Ø m/m	PACKAGING Inner	PACKAGING Outer	I (MÁX.) m/m	E m/m MIN.	E m/m MÁX.	(N)	(N)	REFERENCE
3,2	8,0	3,30-3,50	6,20	1,10	1,80	500	4.000	10,10	0,5	5,0	630	980	01080003208
	9,5					500	4.000	11,60	1,5	6,5			01080003209
	11,0					500	4.000	13,10	4,0	8,0			01080003211
4,0	6,8	4,10-4,30	8,20	1,40	2,20	500	4.000	10,00	0,5	3,5	1050	1400	010800040068
	9,5					500	3.000	12,00	1,0	4,0			01080004009
	11,0					500	3.000	13,00	2,0	6,0			01080004011
	12,5					500	3.000	15,00	4,0	9,0			01080004012
	16,5					500	3.000	19,00	6,0	13,0			01080004016
4,8	10,5	4,90-5,10	9,90	1,60	2,75	250	2.000	14,00	1,5	6,5	1500	2300	01080004810
	15,0					250	2.000	18,00	4,5	11,0			01080004815
	16,5					250	1.500	20,00	6,5	12,5			01080004816
	19,5					250	1.500	23,00	8,5	14,5			01080004819
	24,5					200	1.200	28,00	12,5	20,0			01080004824

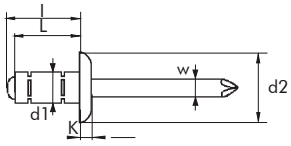
d1 Ø mm	L Nominal mm	PAINTED WHITE REFERENCE	PAINTED BLACK RAL 9005 REFERENCE	REST OF THE PAINTED COLOURS REFERENCE	PACKAGING Inner	PACKAGING Outer
3,2	8,5	01080 BL3208	01080 N03208	01080 3208	500	4.000
	11,0	01080 BL3211	01080 N03211	01080 3211	500	4.000
4,0	6,8	01080 BL40068	01080 N040068	01080 40068	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

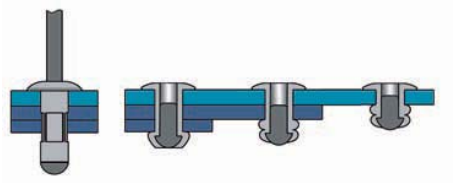
MULTIGRIP RIVET
Dome head

ALUMINIUM/STEEL

BODY: Aluminium Al Mg 2,5

MANDREL: Steel Zincplated A1K



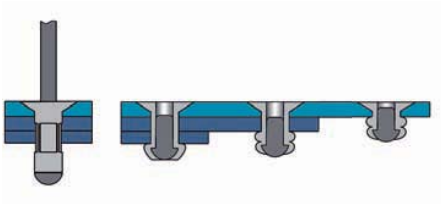


Tests according to EN ISO 14589

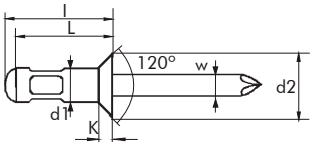
d1 Ø mm	L Nominal mm	mm	d2 Ø mm	K mm	W Ø mm	PACKAGING Inner	PACKAGING Outer	I Max. mm	E mm MIN.	E mm MÁX.	(N)	(N)	REFERENCE
6,4	12	6,50	13,00	1,80	3,60	250	1.500	17,00	1,0	6,0	2800	4000	01080006412
	15					200	1.200	20,00	4,0	9,0			01080006415
	18					200	1.200	23,00	6,0	12,0			01080006418

ALUMINIUM/STEEL

MULTIGRIP RIVET
Countersunk head 120º



BODY: Aluminium Al Mg 2,5
MANDREL: Steel Zincplated A1K



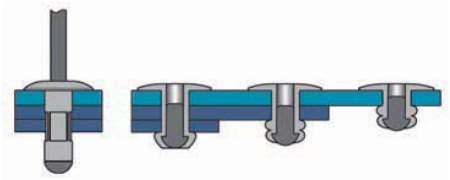
Tests according to EN EN ISO 14589

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

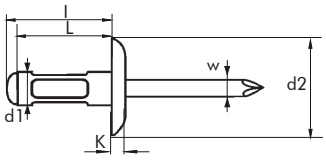
d1 Ø m/m	L Nominal m/m	PAINTED COLOURS REFERENCE	PACKAGING Inner	PACKAGING Outer
3,2	9,0	01090 3209	500	4.000
4,0	11,0	01090 4011	500	3.000
4,8	12,0	01090 4812	250	2.000
	16,0	01090 4816	250	1.500

ALUMINIUM/STEEL

MULTIGRIP RIVET
Large head



BODY: Aluminium Al Mg 2,5
MANDREL: Steel Zincplated A1K



Tests according to EN EN ISO 14589

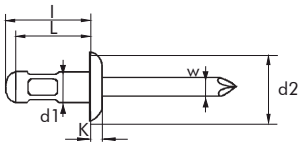
d1 Ø mm	L Nominal mm	mm	d2 Ø mm	K mm	W Ø mm	PACKAGING Inner	PACKAGING Outer	l Max. mm	E mm MIN. - MÁX.	(N)	(N)	REFERENCE
3,2	8,0	3,30-3,50	9,5	1,10	1,80	500	4.000	10,00	0,5 - 5,0	630	980	01100003208
4,0	13,0	4,10-4,30	12,0	1,40	2,20	250	2.000	15,30	3,0 - 9,0	1050	1500	01100004013
	16,0					250	2.000	18,80	6,0 - 13,0			01100004016
4,8	10,5	4,90-5,10	16,0	1,80	2,75	150	900	14,00	1,5 - 6,0	1500	2400	01100004810
	17,0					150	900	20,00	6,0 - 12,5			01100004817
	25,0					100	600	28,00	12,0 - 19,5			01100004825

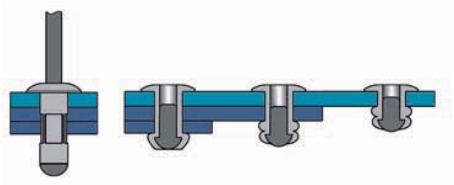
d1 Ø mm	L Nominal mm	PAINTED WHITE REFERENCE	PAINTED BLACK RAL 9005 REFERENCE	REST OF THE PAINTED COLOURS REFERENCE	PACKAGING Inner	PACKAGING Outer
4,0	13,0	01100 BL4013	01100 N04013	01100 4013	250	2.000
	16,0	01100 BL4016	01100 N04016	01100 4016	250	2.000
4,8	10,5	01100 BL4810	01100 N04810	01100 4810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

ALUMINIUM/STAINLESS STEEL

BODY: Aluminium Al-Mg 2,5

MANDREL: Stainless Steel /Inox 304





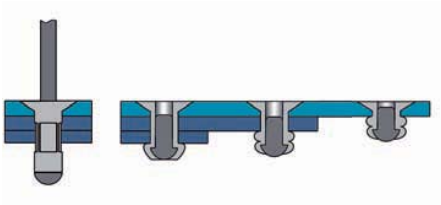
Tests according to EN ISO 14589

d1 Ø mm	L Nominal mm	mm	d2 Ø mm	K mm	W Ø mm	PACKAGING Inner	PACKAGING Outer	l Max. mm	E mm MIN. - MÁX.	(N)	(N)	REFERENCE
3,2	8,0	3,30-3,50	6,20	1,10	1,80	500	4.000	10,50	0,5 - 5,0	650	1000	01089003208
	11,0					500	4.000	13,00	4,0 - 8,0			01089003211
4,0	6,8	4,10-4,30	8,20	1,40	2,20	500	4.000	10,00	0,5 - 3,5	1050	1500	010890040068
	9,5					500	3.000	12,00	1,0 - 6,0			01089004009
	12,5					500	3.000	15,00	4,0 - 9,0			01089004012
	16,5					500	3.000	19,00	6,0 - 13,0			01089004016
4,8	10,5	4,90-5,10	9,90	1,80	2,75	250	2.000	14,00	1,5 - 6,5	1500	2300	01089004810
	15,0					250	2.000	18,00	4,5 - 11,0			01089004815
	16,5					250	1.500	20,00	6,5 - 12,5			01089004816
	24,5					200	1.200	28,00	12,5 - 20,0			01089004824

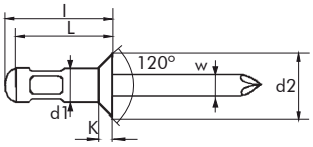
d1 Ø m/m	L Nominal m/m	PACKAGING Inner	PACKAGING Outer	PAINTED COLOURS REFERENCE
3,2	8,0	500	4.000	01089 3208
	11,0	500	4.000	01089 3211
4,0	6,8	500	4.000	01089 40068
	9,5	500	3.000	01089 4009
	12,5	500	3.000	01089 4012
	16,5	500	3.000	01089 4016
4,8	10,5	250	2.000	01089 4810
	15,0	250	2.000	01089 4815
	16,5	250	1.500	01089 4816
	19,5	200	1.200	01089 4819
	24,5	200	1.200	01089 4824

ALUMINIUM/STAINLESS STEEL

MULTIGRIP RIVET
Countersunk head 120º



BODY: Aluminium Al Mg 2,5
MANDREL: Stainless Steel /Inox 304



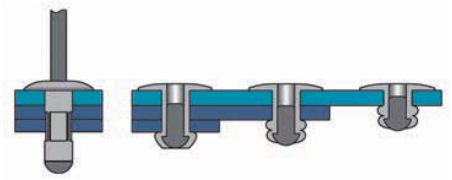
Tests according to EN ISO 14589

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

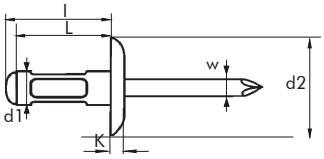
d1 Ø m/m	L Nominal m/m	PACKAGING Inner	PACKAGING Outer	PAINTED COLOURS REFERENCE
3,2	9,5	500	4.000	01099 3209
4,0	11,0	500	3.000	01099 4011
4,8	12,0	250	2.000	01099 4812
	16,5	250	1.500	01099 4816

ALUMINIUM/STAINLESS STEEL

MULTIGRIP RIVET
Large head



BODY: Aluminium Al Mg 2,5
MANDREL: Stainless Steel /Inox 304



Tests according to EN ISO 14589

d1 Ø mm	L Nominal mm	mm	d2 Ø mm	K mm	W Ø mm	PACKAGING Inner	PACKAGING Outer	l Max. mm	E mm MIN. - MÁX.	(N)	(N)	REFERENCE
4,8	10,5	4,90-5,10	16,0	1,80	2,75	200	1.200	14,00	1,5 - 6,0	1500	2400	01109004810
	17,0					150	900	20,00	6,0 - 12,5			01109004817
	19,0					150	900	22,00	8,5 - 14,5			01109004819
	25,0					100	600	28,00	12,0 - 19,5			01109004825

d1 Ø m/m	L Nominal m/m	PACKAGING Inner	PACKAGING Outer	PAINTED COLOURS REFERENCE
4,8	10,5	150	900	01109 4810
	17,0	150	900	01109 4817
	25,0	100	600	01109 4825

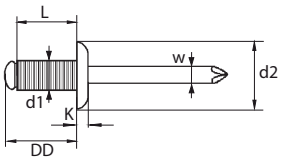
GROOVED RIVET

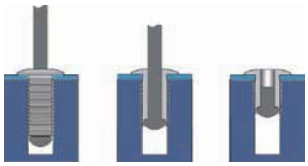
This fastener does not need through holes.
Safe method of joining metal to smooth and fibrous surfaces.
Provides a high resistance joint.
Ideal to fasten metal surfaces to wood, brick or cement.

GROOVED RIVET
Dome head

ALUMINIUM/STEEL

BODY: Aluminium Al Mg 3,5
MANDREL: Steel Zincplated A1K





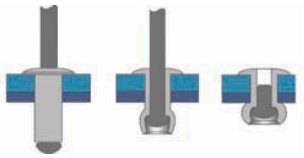
Tests according to EN ISO 14589

d1 ∅ mm	L Nominal mm	mm	d2 ∅ mm	K mm	W ∅ mm	PACKAGING Inner	PACKAGING Outer	E mm MIN.	E mm MÁX.	(N)	(N)	REFERENCE	DD (Drill Depth) mm
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

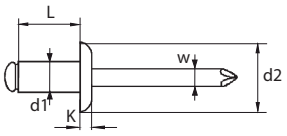
Ideal for fastening soft or brittle materials.
It does not deform surfaces after the riveting process is finished.
They provide excellent torque values.
Good resistance to vibrations.

ALUMINIUM/STEEL

SOFT MATERIALS RIVET
Dome head



BODY: Aluminium Al Mg 3,5
MANDREL: Steel



Tests according to EN ISO 14589

d1 ∅ mm	L Nominal mm	mm	d2 ∅ mm	K mm	W ∅ mm	PACKAGING Inner	PACKAGING Outer	E mm MIN. - MÁX.	(N)	(N)	REFERENCE
4,0	**6**	4,10	8,00	1,40	2,20	4.000		1,5 - 3,0	1200	1800	G1350004006
	8					4.000		3,0 - 5,0			G1350004008
	10					4.000		5,0 - 6,5			G1350004010
	12					4.000		6,5 - 8,5			G1350004012
	14					4.000		8,5 - 10,5			G1350004014
	16					4.000		10,5 - 12,5			G1350004016
	18					4.000		12,5 - 14,5			G1350004018
	20					4.000		14,5 - 16,5			G1350004020
4,8	**6**	4,90	9,50	1,50	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
	32					1.000		25,0 - 27,0			G1350004832
5,0	**10**	5,10	8,00	1,10	2,65	3.500		4,5 - 6,0	2250	3000	G1350005010
	14					2.500		8,0 - 10,0			G1350005014
	16					2.500		10,0 - 12,0			G1350005016
	25					1.500		16,0 - 21,0			G1350005025
	30					1.500		21,0 - 25,0			G1350005030
6,0	**18**	6,10	12,00	1,50	3,20	1.500		11,0 - 13,0	2500	3300	G1350006018

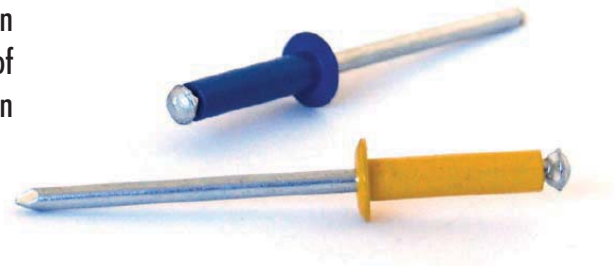
PEELED RIVET

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.
Spreads the load and clamping force over a wide area.

LOCKING DIVIDED IN FOUR PETALS

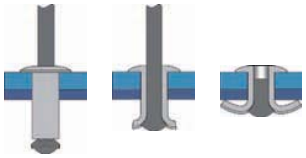
Aluminium alloy break-mandrel blind rivet with a large bearing area and on placement the body splits into four petals. Bralo Peel Rivet is ideal for applications with plastics or materials with low resistance to pressure.

Bralo Peel Rivet is available in a vast array of colours and in any kind of material. From black to white, we have a range of over 100 RAL colours and we can make special lacquering upon request.



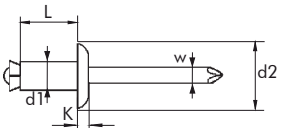
d1 Ø m/m	L Nominal m/m	PAINTED COLOURS REFERENCE	PACKAGING Inner	PACKAGING Outer
4,0	8	01130 4008	500	4.000
	10	01130 4010	500	4.000
	12	01130 4012	500	3.000
	14	01130 4014	500	3.000
	16	01130 4016	500	3.000
	18	01130 4018	500	3.000
	20	01130 4020	500	3.000
	25	01130 4025	250	1.500
4,8	10	01130 4810	500	3.000
	12	01130 4812	500	3.000
	14	01130 4814	250	2.000
	16	01130 4816	250	2.000
	18	01130 4818	250	1.500
	21	01130 4821	250	1.500
	24	01130 4824	200	1.200
	27	01130 4827	200	1.200
	30	01130 4830	200	1.200
	35	01130 4835	150	900

ALUMINIUM/STEEL



BODY: Aluminium Al Mg 3,5

MANDREL: Steel Zincplated A1K



Tests according to EN ISO 14589

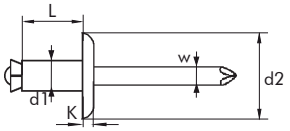
d1 Ø mm	L Nominal mm	mm	d2 Ø mm	K mm	W Ø mm	PACKAGING Inner	PACKAGING Outer	E mm MIN.	E mm MÁX.	(N)	(N)	REFERENCE
3,2	**8**	3,40	6,50	0,80	1,80	500	4.000	3,5		1000	1200	01130003208
	10					500	4.000	5,0				01130003210
	12					500	4.000	7,0				01130003212
	14					500	4.000	9,0				01130003214
	16					500	3.000	11,0				01130003216
	18					500	3.000	13,0				01130003218
4,0	**8**	4,20	8,00	1,00	2,20	500	4.000	4,0		1200	1400	01130004008
	10					500	4.000	6,0				01130004010
	12					500	3.000	8,0				01130004012
	14					500	3.000	10,0				01130004014
	16					500	3.000	12,0				01130004016
	18					500	3.000	14,0				01130004018
	20					500	3.000	16,0				01130004020
	25					250	1.500	21,0				01130004025
4,8	**10**	5,00	9,50	1,10	2,73	500	3.000	5,0		1800	2000	01130004810
	12					500	3.000	7,0				01130004812
	14					250	2.000	9,0				01130004814
	16					250	2.000	11,0				01130004816
	18					250	1.500	13,0				01130004818
	21					250	1.500	16,0				01130004821
	24					200	1.200	19,0				01130004824
	27					200	1.200	22,0				01130004827
	30					200	1.200	25,0				01130004830
	32					200	1.200	27,0				01130004832
	35					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				011300050100
	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
	75						500	65,0				01130006475
	80						250	70,0				01130006480
	100						250	90,0				011300064100
	120						250	110,0				011300064120
	125						250	115,0				011300064125
	150						250	140,0				011300064150
	175						200	165,0				011300064175
	190						200	180,0				011300064200

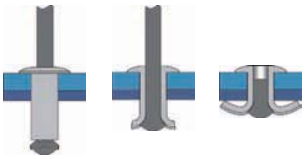
*Note: Peeled rivets with body in aluminium Al Mg 3.

ALUMINIUM/STEEL

BODY: Aluminium Al Mg 3,5

MANDREL: Steel Zincplated A1K.





Tests according to EN ISO 14589

d1 Ø mm	L Nominal mm	mm	d2 Ø mm	K mm	W Ø mm	PACKAGING Inner	PACKAGING Outer	E mm MIN.	E mm MÁX.	(N)	(N)	REFERENCE
4,0	**8**	4,20	**12,00**	1,40	2,20	500	3.000	4,0		1450	1750	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		1800	2000	01140004810
	12					250	1.500	7,0				01140004812
	14					250	1.500	9,0				01140004814
	16					250	1.500	11,0				01140004816
	18					200	1.200	13,0				01140004818
	21					200	1.200	16,0				01140004821
	24					150	900	19,0				01140004824
	27					150	900	22,0				01140004827
	30					150	900	25,0				01140004830
	35					100	600	30,0				01140004835
4,8	**10**	5,00	**11,00**	1,80	2,73	250	2.000	5,0		1800	2000	01131004810
	21					250	1.500	16,0				01131004821

d1 Ø mm	L Nominal mm	PAINTED BLACK RAL 9005 REFERENCE	REST OF THE PAINTED COLOURS REFERENCE	PACKAGING Inner	PACKAGING Outer
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

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

HEAD WITH SHAPE OF THREE PARTS

Bralo Trebol Rivet is a break-mandrel blind rivet designed for the fastening, in a fast and simple way, of **rigid materials to soft or low resistance materials.**

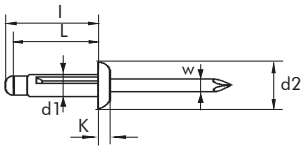
This rivet is provided with a big counter head in the shape of three double parts offering a large contact area on the blind side. This large expansion on the blind side distributes the load and the clamping force, **reducing the risk of crushing and the material breaking**.

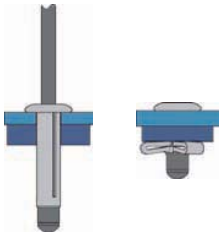
The **S-Trebol** version provides additional resistance to both tensile and shear strenghts and it can be used in oversized holes because its expansion is adaptable. It also has a neoprene washer that provides excellent sealing results. Rivet Bralo S-Trebol has the approval of DIBt (Deutsches Institut für Bautechnik).

ALUMINIUM/ALUMINIUM

BODY: Aluminium

MANDREL: Aluminium





Tests according to EN ISO 14589

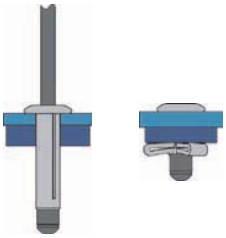
d1 Ø mm	L Nominal mm	mm	d2 Ø mm	K mm	W Ø mm	PACKAGING Inner	PACKAGING Outer	l Max. mm	E mm MIN. - MÁX.	(N)	(N)	REFERENCE
4,0	**10,5**	4,20-4,50	8,00	1,40	2,40	250	2.000	12,30	0,5 - 2,5	730	950	01610004010
	13,6					250	2.000	15,40	1,0 - 3,0			01610004013
	18,8					250	2.000	20,60	1,0 - 7,0			01610004018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

Note: Under request we do manufacture Trebol rivets with countersunk head (d2).

d1 Ø mm	L Nominal mm	PAINTED WHITE REFERENCE	PAINTED BLACK RAL 9005 REFERENCE	REST OF THE PAINTED COLOURS REFERENCE	PACKAGING Inner	PACKAGING Outer
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

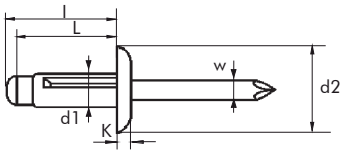
ALUMINIUM/ALUMINIUM

TREBOL RIVET
Large head



BODY: Aluminium

MANDREL: Aluminium

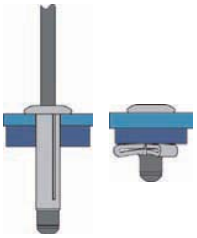


Tests according to EN ISO 14589

d1 ∅ mm	L Nominal mm	mm	d2 ∅ mm	K mm	W ∅ mm	PACKAGING Inner	PACKAGING Outer	l Max. mm	E mm MIN. - MÁX.	(N)	(N)	REFERENCE
4,0	**18,8**	4,20-4,50	**12,00**	1,50	2,40	250	2.000	20,60	1,0 - 7,0	700	850	01640004018
4,8	**20,5**	5,00-5,30	**14,00**	1,90	2,82	200	1.200	21,90	1,0 - 9,0	900	1150	01630004820
	24,5					200	1.200	25,90	4,0 - 12,0			01630004824
4,8	**20,5**	5,00-5,30	**16,00**	1,80	2,82	200	1.200	21,90	1,0 - 9,0	900	1150	01640004820

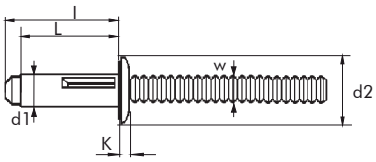
ALUMINIUM/ALUMINIUM

S-TREBOL RIVET
Dome head



BODY: Aluminium Al Mg 3,5

MANDREL: Aluminium



Tests according to EN ISO 14589

d1 ∅ mm	L Nominal mm	mm	d2 ∅ mm	K mm	W ∅ mm	PACKAGING Inner	PACKAGING Outer	l Max. mm	E mm MIN. - MÁX.	(N)	(N)	REFERENCE
5,2	**20,0***	5,30-5,60	11,40	2,00	3,10	250	1.500	23,75	0,5 - 5,1	3000	1700	01650005220
	26,5					200	1.200	29,75	4,5 - 11,5			01650005226
6,4	**23,5**	6,50-6,70	14,00	2,60	3,40	150	900	28,50	1,5 - 6,5	4000	2500	01650006424
7,7	**28,0**	7,90-8,30	19,00	4,00	4,40		500	35,00	1,5 - 9,5	4300	4800	G1654007828

* Approved by DIBt (Deutsches Institut für Bautechnik) N Z-14. 1-4.
Note: Also available without neoprene washer.

SEALED RIVET

Moisture and pressure tight.
The joints are completely water tight which avoids leakage of liquids or vapours.
Avoids electrical problems or vibrations.
The mandrel is completely locked within the head.

SEALED LOCKING

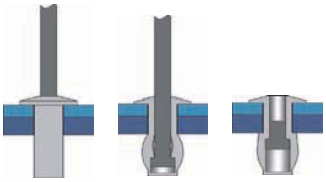
Bralo Sealed Rivet is synonymous with safety and confidence

The sealed rivets are break mandrel blind rivets that guarantee a solid and high quality fastening. The joints are completely sealed to fluids, avoiding leakage of liquids or vapours due to the locking of the mandrel inside the rivet body.

Bralo Sealed Rivet is available in a wide range of diameters, from 3.2 mm to 6.4 mm, covering a wide grip range (0.5 mm to 20 mm).

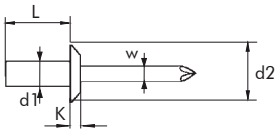
This rivet is available in a vast array of materials. Bralo can provide many finishing options from various colours to different protective coatings. The customisation possibilities for this rivet are endless.

ALUMINIUM/STEEL



BODY: Aluminium Al Mg 5

MANDREL: Steel lubricated



UNE - EN ISO 15973

Tests according to EN ISO 14589

d1 Ø mm	L Nominal mm	mm	d2 Ø mm	K mm	W Ø mm	PACKAGING Inner	PACKAGING Outer	E mm MIN. - MÁX.	(N)	(N)	REFERENCE
3,2	6,5	3,30	6,40	1,00	1,65	500	4.000	0,5 - 2,0	1100	1450	01110003206
	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

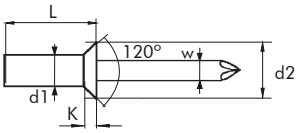
d1 Ø m/m	L Nominal m/m	PAINTED COLOURS REFERENCE	PACKAGING Inner	PACKAGING Outer
3,2	6,5	01110 3206	500	4.000
	8,0	01110 3208	500	4.000
	9,5	01110 3209	500	4.000
	11,0	01110 3211	500	4.000
	12,5	01110 3212	500	4.000
4,0	8,0	01110 4008	500	4.000
	9,5	01110 4010	500	4.000
	11,0	01110 4011	500	4.000
	12,5	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

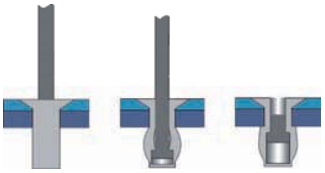
SEALED RIVET
Countersunk head 120º

ALUMINIUM/STEEL

BODY: Aluminium Al Mg 5

MANDREL: Steel lubricated





UNE - EN ISO 15974

Tests according to EN ISO 14589

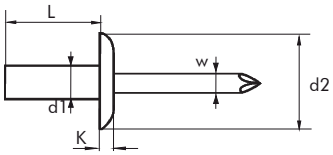
d1 Ø mm	L Nominal mm	mm	d2 Ø mm	K mm	W Ø mm	PACKAGING Inner	PACKAGING Outer	E mm MIN. - MÁX.	(N)	(N)	REFERENCE
4,8	10,0	4,90	9,50	1,80	2,65	500	3.000	4,5 - 6,0	2200	3100	01112004810
	12,5					500	3.000	6,0 - 8,0			01112004813
	14,5					250	2.000	8,0 - 10,0			01112004814
	16,0					250	2.000	10,0 - 12,0			01112004816
	22,0					250	1.500	13,0 - 18,0			01112004822

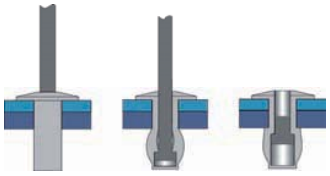
SEALED RIVET
Large head

ALUMINIUM/STEEL

BODY: Aluminium Al Mg 5

MANDREL: Steel lubricated



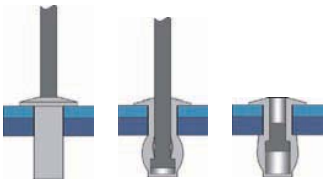


Tests according to EN ISO 14589

d1 Ø mm	L Nominal mm	mm	d2 Ø mm	K mm	W Ø mm	PACKAGING Inner	PACKAGING Outer	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

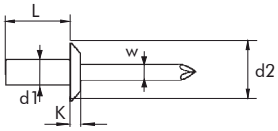
ALUMINIUM/STAINLESS STEEL

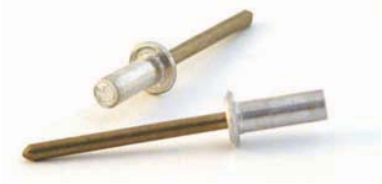
SEALED RIVET
Dome head



BODY: Aluminium Al Mg 5

MANDREL: Stainless Steel/Inox 304





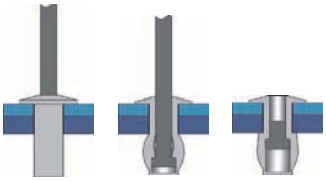
Tests according to EN ISO 14589

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

Note: Under request we do manufacture other sizes and painted according to RAL.

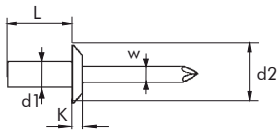
ALUMINIUM/ALUMINIUM

SEALED RIVET
Dome head



BODY: Aluminium

MANDREL: Aluminium



UNE - EN ISO 15975

Tests according to EN ISO 14589

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

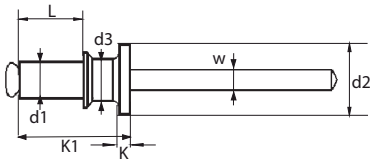
PROFILE CLINCHER

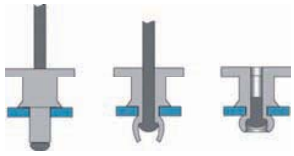
Customised design and upon request.
Specially designed for a fast and safe joining of moulds and clips.
Used in the automotive and metalwork industries.
Staggered body.
Fast and simple with reduced cost assembly.

PROFILE CLINCHER

ALUMINIUM/STEEL

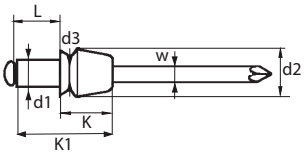
BODY: Aluminium Al Mg 3,5
MANDREL: Steel Zincplated A1K

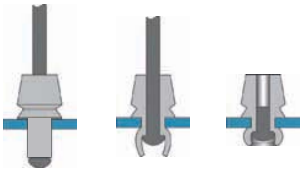




d1 Ø mm	L Nominal mm	mm	d2 Ø mm	d3 Ø mm	K1 mm	K mm	W Ø mm	PACKAGING Inner	PACKAGING Outer	E mm MIN. MÁX.	(N)	(N)	REFERENCE
2,4	5,0	2,50	5,00	3,00	8,50	1,00	1,45	1.000	8.000	3,0	340	490	01900002405

BODY: Aluminium Al Mg 3,5
MANDREL: Steel Zincplated A1K





d1 Ø mm	L Nominal mm	mm	d2 Ø mm	d3 Ø mm	K1 mm	K mm	W Ø mm	PACKAGING Inner	PACKAGING 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	mm	d2 Ø mm	d3 Ø mm	K1 mm	K mm	W Ø mm	PACKAGING Inner	PACKAGING 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	01900039076

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.

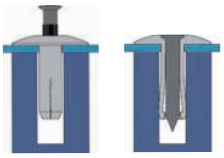
RIVET USED IN THE CONSTRUCTION INDUSTRY

This type of blind rivet is widely used in the construction sector to fix sheets, moldings, angles, coatings or insulation.

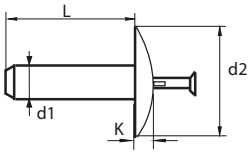
This fixing element does not need through holes. The rivet mandrel (stainless steel) is forcefully introduced with a punch into the aluminium rivet body, usually by using a hammer, which opens the body in three different blades, thus fixing it inside the walls of the material to be fixed.

ALUMINIUM/STAINLESS STEEL

DRIVE RIVET
Large head



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



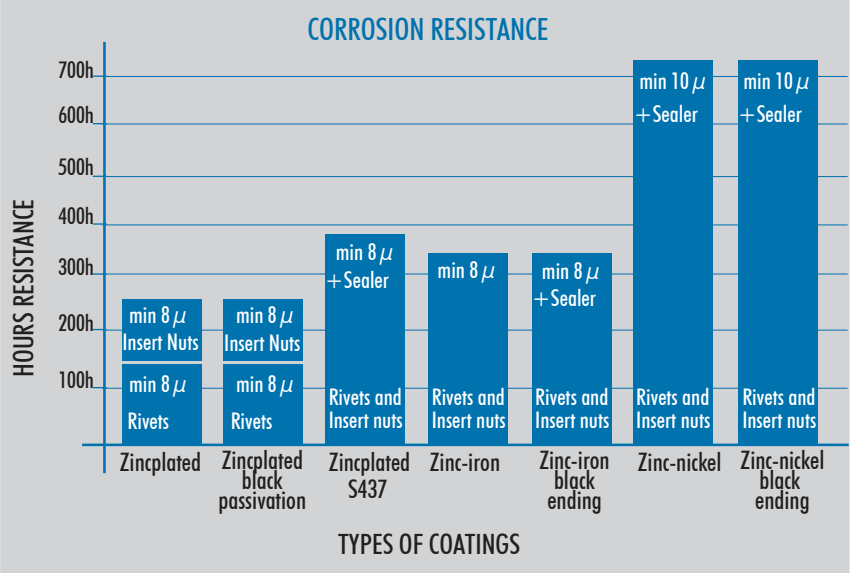
d1 Ø mm	L Nominal mm	mm	d2 Ø mm	W Ø mm	PACKAGING Inner	PACKAGING Outer	E mm MIN. - MÁX.	(N)	(N)	REFERENCE
4,8	7,6	5,0(+0,2)	16,00	1,50		3.000	2,9 - 4,4	3500	1900	G1509004808
	10,2					3.000	4,4 - 7,0			G1509004810
	12,7					3.000	7,0 - 9,5			G1509004813
	15,3					3.000	9,5 - 12,1			G1509004815
	17,8					2.500	12,1 - 14,6			G1509004818
	20,3					2.000	14,6 - 17,1			G1509004820
	22,9					2.000	17,1 - 19,7			G1509004823
	25,4					2.000	19,7 - 22,2			G1509004825
	27,9					2.000	22,2 - 24,8			G1509004828
	30,4					1.500	24,8 - 26,5			G1509004830
	35,0					1.500	29,1 - 31,5			G1509004835
	40,0					1.000	34,1 - 36,5			G1509004840
	50,0					1.000	44,2 - 46,5			G1509004850

Steel Rivets

For maximum corrosion resistance and durability of our steel rivet, we can apply different protective coatings, whether zincating or organic coatings

COATING STEEL RIVETS

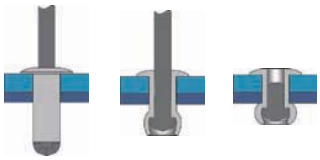
BRALO apply differet coatings, but for maximum corrosion resistance and durability of the steel rivet or insert nut, it is possible to apply a special sealer, (transparent or black).



All the zincplated materials according to EN ISO 4042

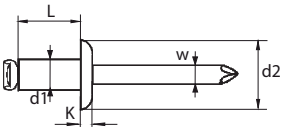
APPEARANCE MOST COMMON COATINGS

STEEL/STEEL



BODY: Steel Zincplated A3K

MANDREL: Steel Zincplated A1K



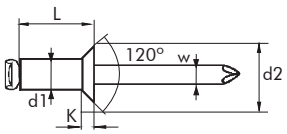
UNE - EN ISO 15979

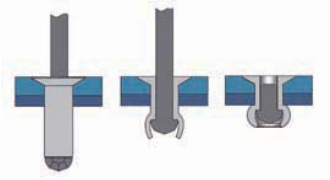
Test according to EN ISO 14589

d1 Ø mm	L Nominal mm	mm	d2 Ø mm	K mm	W Ø mm	PACKAGING Inner	PACKAGING Outer	E mm MIN. - MÁX.	(N)	(N)	REFERENCE
3,0	6	3,10	6,00	1,00	2,00	500	4.000	0,5 - 3,0	950	1100	01210003006
	8					500	4.000	3,0 - 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
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
	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
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

BODY: Steel Zincplated A3K

MANDREL: Steel Zincplated A1K

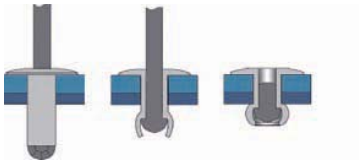




UNE - EN ISO 15980 **Tests according EN ISO 14589**

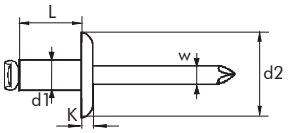
d1 Ø mm	L Nominal mm	mm	d2 Ø mm	K mm	W Ø mm	PACKAGING Inner	PACKAGING Outer	E mm MIN. - MÁX.	(N)	(N)	REFERENCE
3,2	**6**	3,30	6,30	1,00	2,00	500	4.000	1,5 - 3,5	1100	1200	01220003206
	8					500	4.000	3,5 - 5,5			01220003208
	10					500	4.000	5,5 - 7,0			01220003210
	12					500	4.000	7,0 - 9,0			01220003212
4,0	**6**	4,10	7,60	1,30	2,40	500	4.000	2,0 - 3,0	1700	2200	01220004006
	8					500	4.000	3,0 - 5,0			01220004008
	10					500	4.000	5,0 - 6,5			01220004010
	12					500	3.000	6,5 - 8,0			01220004012
	14					500	3.000	8,0 - 10,0			01220004014
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 - 11,0			01220004816
	18					250	1.500	11,0 - 13,0			01220004818
	20					250	1.500	13,0 - 15,0			01220004820
5,0	**12**	5,10	9,50	1,60	2,93	250	2.000	6,0 - 8,0	2900	3100	01220005012
	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
	13					250	1.500	5,0 - 7,0			01220006413
	16					250	1.500	8,0 - 10,0			01220006416
	28					150	900	17,0 - 22,0			01220006428

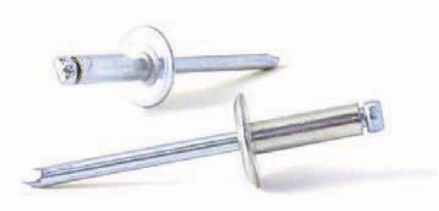
STEEL/STEEL



BODY: Steel Zincplated A3K

MANDREL: Steel Zincplated A1K





Tests according to EN ISO 14589

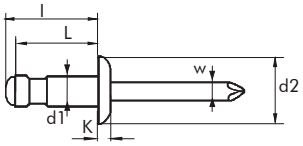
d1 Ø mm	L Nominal mm	mm	d2 Ø mm	K mm	W Ø mm	PACKAGING Inner	PACKAGING Outer	E mm MIN. - MÁX.	(N)	(N)	REFERENCE
4,0	**6**	4,10	**10,00**	1,50	2,40	500	3.000	1,0 - 3,0	1700	2200	01230004006
	8					500	3.000	3,0 - 5,0			01230004008
	10					500	3.000	5,0 - 6,5			01230004010
	12					500	3.000	6,5 - 9,0			01230004012
	14					500	3.000	9,0 - 10,0			01230004014
4,8	**10**	4,90	**14,00**	2,10	2,93	250	1.500	4,0 - 6,0	2900	3100	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**	2,10	2,93	250	1.500	4,0 - 6,0	2900	3100	01240004810
	12					250	1.500	6,0 - 8,0			01240004812
	14					200	1.200	8,0 - 9,5			01240004814
	16					200	1.200	9,5 - 11,0			01240004816
	18					200	1.200	10,0 - 13,0			01240004818
	21					150	900	11,0 - 15,0			01240004821
	24					150	900	15,0 - 19,5			01240004824
6,4	**12**	6,50	**19,00**	3,00	3,90		1.000	4,0 - 6,0	4900	5700	G1240006412
	15						1.000	6,0 - 9,0			G1240006415
	18						1.000	9,0 - 12,0			G1240006418
	30						500	19,0 - 24,0			G1240006430

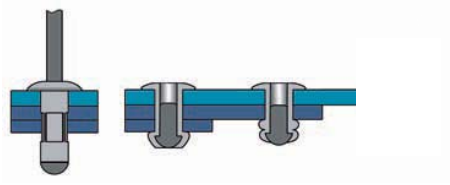
MULTIGRIP RIVET
Dome head

STEEL/STEEL

BODY: Steel Zincplated A3K

MANDREL: Steel Zincplated A1K





Tests according to EN ISO 14589

d1 Ø mm	L Nominal mm	mm	d2 Ø mm	K mm	W Ø mm	PACKAGING Inner	PACKAGING Outer	l Max. mm	E mm MIN. - MÁX.	(N)	(N)	REFERENCE
3,2	9,0	3,40	6,50	1,00	2,00	500	4.000	11,3	2,0 - 5,0	1400	1900	01280003209
	13,0					500	4.000	15,3	4,0 - 6,0			01280003213
4,0	11,0	4,10	8,00	1,40	2,75	500	3.000	14,5	2,0 - 5,0	1900	2500	01280004011
4,8	10,5	4,90	9,50	1,80	2,93	250	2.000	13,0	1,0 - 4,5	2000	3300	01280004810
	13,0					250	2.000	16,0	4,0 - 6,5			01280004813

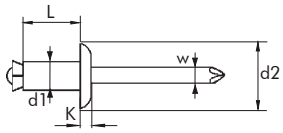
Bralo Multigrip Rivet ensures a homogeneous fastening, a firm and high quality joint that is resistant to all kinds of vibrations. Furthermore, when properly fastened, it provides a tight seal against weather conditions.

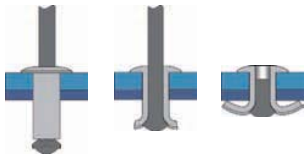
PEELED RIVET
Dome head

STEEL/STEEL

BODY: Steel Zincplated A3K

MANDREL: Steel Zincplated A1K



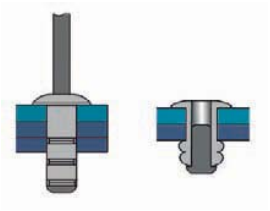


Tests according to EN ISO 14589

d1 Ø mm	L Nominal mm	mm	d2 Ø mm	K mm	W Ø mm	PACKAGING Inner	PACKAGING Outer	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

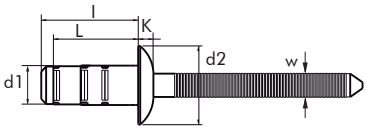
STEEL/STEEL

HARDVEX RIVET
Dome head



BODY: Steel Zincplated A3K

MANDREL: Steel Zincplated A1K



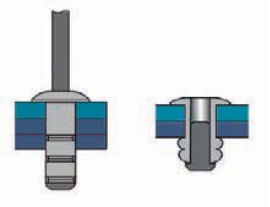
Tests according to EN ISO 14589

d1 Ø mm	L Nominal mm	mm	d2 Ø mm	K mm	W Ø mm	PACKAGING Inner	PACKAGING Outer	l Max. mm	E mm MIN. - MÁX.	(N)	(N)	REFERENCE
4,8	11,0	4,90	9,80	1,50	3,00		2.000	14,00	1,5 - 6,5	3000	3100	G1874004811
	14,5						2.000	17,50	1,5 - 9,0			G1874004814
	17,5						1.500	20,50	6,5 - 12,5			G1874004817
6,4	14,0	6,60	13,00	2,50	3,95		1.000	16,80	1,5 - 7,6	3100	3600	G1874006414

Note: This range is manufactured under request. For detailed information on minimum quantities and delivery times please contact your BRALO representative.

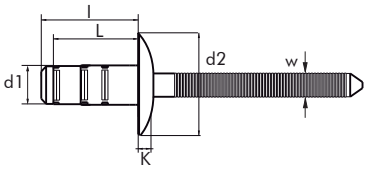
STEEL/STEEL

HARDVEX RIVET
Large head



BODY: Steel Zincplated A3K

MANDREL: Steel Zincplated A1K



Tests according to EN ISO 14589

d1 Ø mm	L Nominal mm	mm	d2 Ø mm	K mm	W Ø mm	PACKAGING Inner	PACKAGING Outer	l Max. mm	E mm MIN. - MÁX.	(N)	(N)	REFERENCE
4,8	11,0	4,90	16,00	2,00	3,00			14,0	1,5 - 6,5	3000	3300	G1877004811
	14,5						1.000	17,5	1,5 - 9,0			G1877004814
	17,5							20,5	6,5 - 12,5			G1877004817

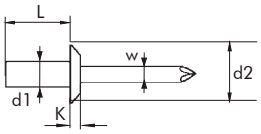
Note: This range is manufactured under request. For detailed information on minimum quantities and delivery times please contact your BRALO representative.

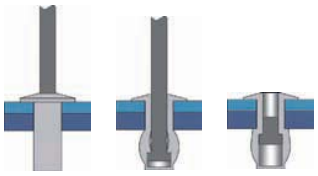
SEALED RIVET
Dome head

STEEL/STEEL

BODY: Steel Zincplated A3K

MANDREL: Steel Zincplated A3K





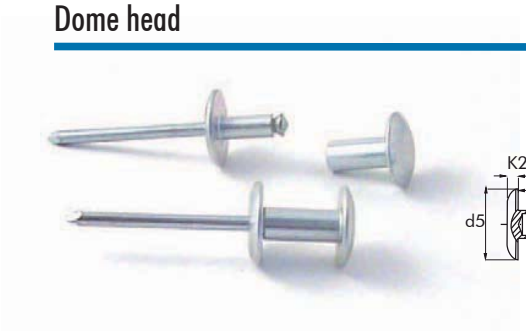
UNE - EN ISO 15976

Tests according to EN ISO 14589

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

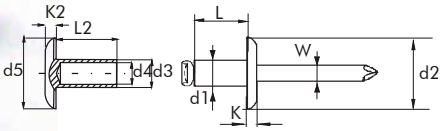
GRIPMATE RIVET
Dome head

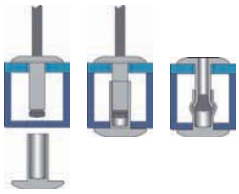
STEEL/STEEL



BODY: Steel Zincplated A3K

MANDREL: Steel Zincplated A1K





Tests according to EN ISO 14589

d1 Ø mm	L Nominal mm	mm	d2 Ø mm	K mm	W Ø mm	PACKAGING Inner	PACKAGING Outer	E mm MIN. - MÁX.	REFERENCE
4,7	11,5	4,90	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	mm	k2 mm	d3 Ø mm	d4 Ø mm	d5 Ø mm	PACKAGING Inner	PACKAGING Outer	E mm MIN. - MÁX.	REFERENCE
6,3	14,5	7,80	2,50	6,30	5,00	16,00		1.500	14,0 -18,0	G12340063145

Note: Gripmate is sold separately.

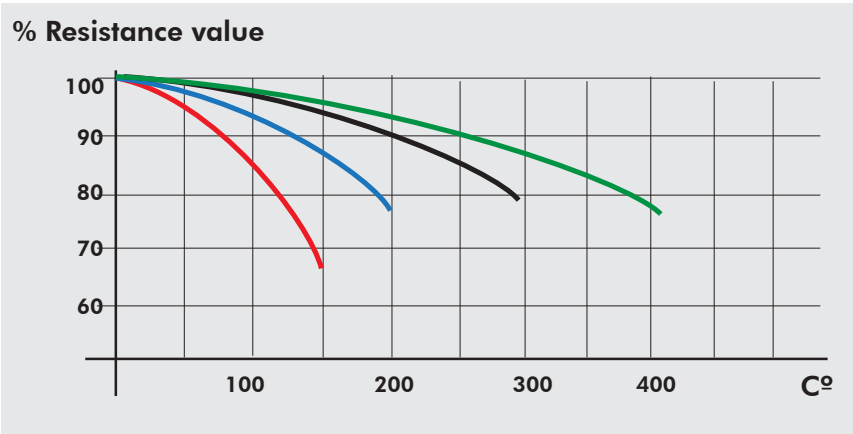
Stainless Steel rivets

Stainless steel has a high corrosion resistance and it is used for applications that are in harsh environmental conditions.

COATINGS AND PASSIVATION	APPEARANCE	USE IN CORROSION CONDITIONS
Stainless Steel passivation	No change	Very severe

TEMPERATURE

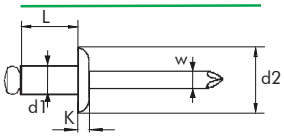
BRALO have different types of materials with stainless steel, A2 stainless steel (AISI 304) and A4 stainless steel (AISI 316). We recommend selecting the rivet material according to the material of the joined parts in order to get greater resistance.

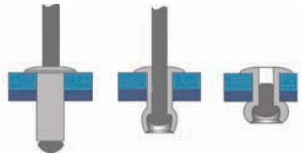


STAINLESS STEEL A2/STAINLESS STEEL A2

BODY: Stainless Steel /Inox 304

MANDREL: Stainless Steel /Inox 304





UNE - EN ISO 15983 — **Tests according to EN ISO 14589**

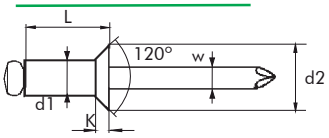
d1 Ø mm	L Nominal mm	mm	d2 Ø mm	K mm	W Ø mm	PACKAGING Inner	PACKAGING Outer	E mm MIN. - MÁX.	(N)	(N)	REFERENCE
2,4	**6**	2,50	5,00	0,60	1,50	1.000	8.000	2,0 - 3,5	1000	1250	01260002406
	8					1.000	8.000	3,5 - 5,5			01260002408
	10					1.000	8.000	5,5 - 7,5			01260002410
	12					500	4.000	7,5 - 9,5			01260002412
3,0	**5**	3,10	6,00	1,00	2,00	500	4.000	0,5 - 2,5	1800	2200	01260003005
	6					500	4.000	0,5 - 3,0			01260003006
	8					500	4.000	3,0 - 5,0			01260003008
	10					500	4.000	5,0 - 6,5			01260003010
	12					500	4.000	6,5 - 8,5			01260003012
	14					500	4.000	8,5 - 10,5			01260003014
3,2	**6**	3,30	6,40	1,00	2,10	500	4.000	0,5 - 3,0	1900	2500	01260003206
	8					500	4.000	3,0 - 5,0			01260003208
	10					500	4.000	5,0 - 6,5			01260003210
	12					500	4.000	6,5 - 8,5			01260003212
	15					500	4.000	8,5 - 12,0			01260003215
	18					500	3.000	12,0 - 15,0			01260003218
4,0	**6**	4,10	8,00	1,30	2,40	500	4.000	1,0 - 2,5	2700	3500	01260004006
	8					500	4.000	2,5 - 4,5			01260004008
	10					500	4.000	4,5 - 6,5			01260004010
	12					500	3.000	6,5 - 8,5			01260004012
	14					500	3.000	8,5 - 10,0			01260004014
	16					500	3.000	10,0 - 12,0			01260004016
	18					500	3.000	12,0 - 14,0			01260004018
	20					500	3.000	14,0 - 16,0			01260004020
	25					250	2.000	16,0 - 20,0			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
	40					150	900	29,0 - 34,0			01260005040
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 A2/STAINLESS STEEL A2

STANDARD RIVET
Countersunk head 120º

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



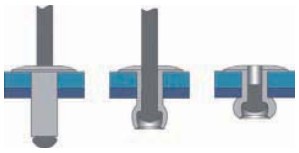
UNE - EN ISO 15984

Tests according to EN ISO 14589

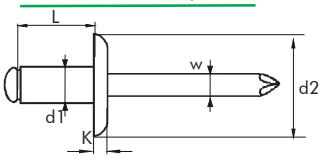
d1 ∅ mm	L Nominal mm	mm	d2 ∅ mm	K mm	W ∅ mm	PACKAGING Inner	PACKAGING Outer	E mm MIN. - MÁX.	(N)	(N)	REFERENCE
3,2	6	3,30	6,30	1,00	2,10	500	4.000	1,5 - 3,0	1900	2500	01270003206
	8					500	4.000	3,0 - 5,5			01270003208
	10					500	4.000	5,5 - 6,5			01270003210
	12					500	4.000	6,5 - 8,5			01270003212
4,0	8	4,10	7,60	1,30	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	1,40	3,10	500	3.000	2,5 - 4,0	4000	5000	01270004808
	10					500	3.000	4,0 - 6,0			01270004810
	12					250	2.000	6,0 - 8,0			01270004812
	14					250	2.000	8,0 - 10,0			01270004814
	18					250	1.500	12,0 - 14,0			01270004818

STAINLESS STEEL A2/STAINLESS STEEL A2

STANDARD RIVET
Large head



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



Tests according to EN ISO 14589

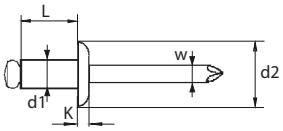
d1 ∅ mm	L Nominal mm	mm	d2 ∅ mm	K mm	W ∅ mm	PACKAGING Inner	PACKAGING Outer	E mm MIN. - MÁX.	(N)	(N)	REFERENCE
3,2	10	3,30	9,50	1,40	2,10	500	4.000	5,0 - 6,5	1900	2500	01310003210
4,0	10	4,10	12,00	1,80	2,40	500	3.000	4,5 - 6,5	2700	3500	01310004010
	13					250	2.000	6,5 - 9,5			01310004013
	16					250	2.000	9,5 - 12,0			01310004016
4,8	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	16,0 - 19,0			01310004825
	30					100	600	19,0 - 24,0			01310004830
	35					100	600	24,0 - 29,0			01310004835

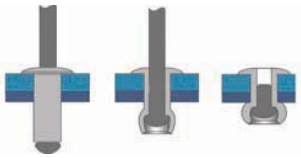
Note: This range of rivets is available in an infinity of lacquering under request.

STAINLESS STEEL A4/STAINLESS STEEL A4

BODY: Stainless Steel/Inox 316

MANDREL: Stainless Steel/Inox 316



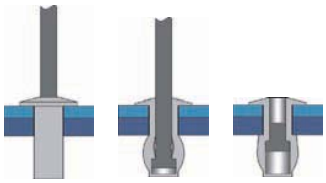


UNE - EN ISO 15983 **Tests according to EN ISO 14589**

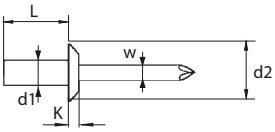
d1 Ø mm	L Nominal mm	mm	d2 Ø mm	K mm	W Ø mm	PACKAGING Inner	PACKAGING Outer	E mm MIN. - MÁX.	(N)	(N)	REFERENCE
3,2	**6**	3,30	6,40	1,00	2,10	500	4.000	0,5 - 3,0	1900	2500	01340003206
	8					500	4.000	3,0 - 5,0			01340003208
	10					500	4.000	5,0 - 6,5			01340003210
	12					500	4.000	6,5 - 8,5			01340003212
	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

STAINLESS STEEL A2/STAINLESS STEEL A2

SEALED RIVET
Dome head



BODY: Stainless Steel /Inox 304
MANDREL: Stainless Steel /Inox 420



UNE - EN ISO 16585

Tests according to EN ISO 14589

d1 Ø mm	L Nominal mm	mm	d2 Ø mm	K mm	W Ø mm	PACKAGING Inner	PACKAGING Outer	E mm MIN. - MÁX.	(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	1,5 - 4,5			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	**12,0**	6,50	13,20	2,40	3,90	250	1.500	1,0 - 6,5	6000	8400	01300006412
	16,0					200	1.200	6,5 - 8,0			01300006416

Copper Rivets

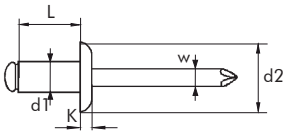
Thermal and electrical conductor.
Single-side access (blind rivet).
Applications in soft materials.
Provide a high strength.

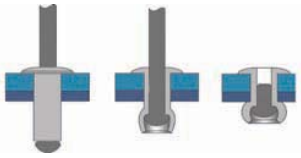
STANDARD RIVET
Dome head

COPPER/STEEL

BODY: Copper

MANDREL: Steel Zincplated A1K





UNE - EN ISO 16582 — Tests according to EN ISO 14589

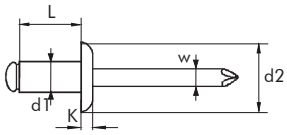
d1 Ø mm	L Nominal mm	mm	d2 Ø mm	K mm	W Ø mm	PACKAGING Inner	PACKAGING Outer	E mm MIN. - MÁX.	(N)	(N)	REFERENCE
3,0	6	3,10	6,00	1,00	1,80	500	4.000	2,0 - 3,0	760	950	01250003006
	8					500	4.000	3,0 - 5,0			01250003008
	10					500	4.000	5,0 - 7,0			01250003010
	12					500	4.000	7,0 - 9,0			01250003012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

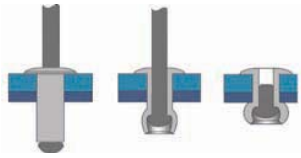
STANDARD RIVET
Dome head

COPPER/BRONZE

BODY: Copper

MANDREL:Bronze



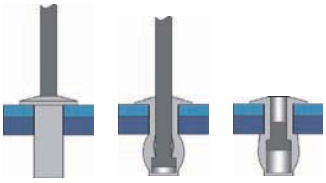


UNE - EN ISO 16582 — Tests according to EN ISO 14589

d1 Ø mm	L Nominal mm	mm	d2 Ø mm	K mm	W Ø mm	PACKAGING Inner	PACKAGING Outer	E mm MIN. - MÁX.	(N)	(N)	REFERENCE
3,0	6	3,10	6,00	1,00	1,80	500	4.000	2,0 - 3,0	760	950	01400003006
	8					500	4.000	3,0 - 5,0			01400003008
	10					500	4.000	5,0 - 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

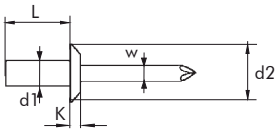
COPPER/STEEL

SEALED RIVET
Dome head



BODY: Copper

MANDREL: Steel Lubricated

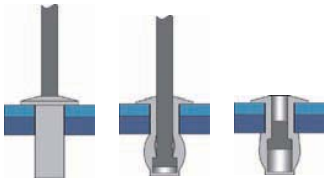


Tests according to EN ISO 14589

d1 Ø mm	L Nominal mm	mm	d2 Ø mm	K mm	W Ø mm	PACKAGING Inner	PACKAGING Outer	E mm MIN. - 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

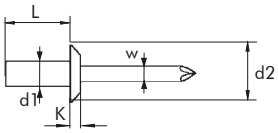
COPPER/STAINLESS STEEL

SEALED RIVET
Dome head



BODY: Copper

MANDREL: Stainless Steel



Tests according to EN ISO 14589

d1 Ø mm	L Nominal mm	mm	d2 Ø mm	K mm	W Ø mm	PACKAGING Inner	PACKAGING Outer	E mm MIN. - 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

High-strength rivets: Structural, Hardlock, Hardgrip

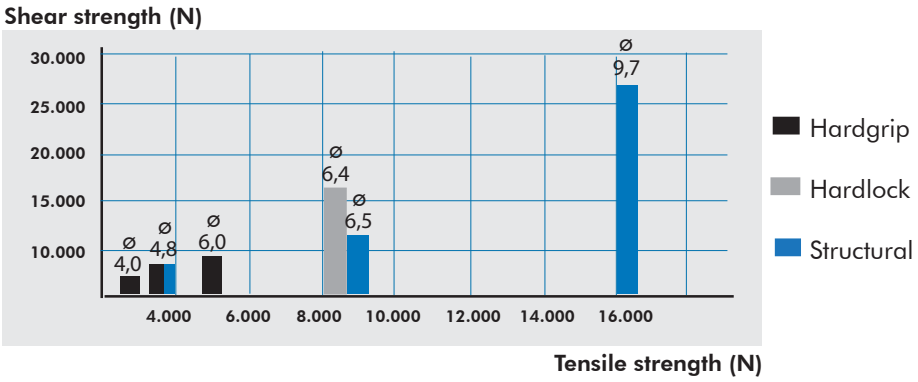
STRUCTURAL RIVET
Multi-grip range features.
High resistance to tensile and shear strength.
Moisture and pressure tight.
The hole is filled thoroughly.

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.

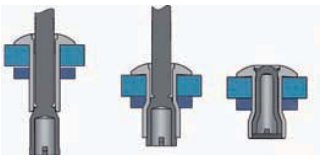
Bralo Structural Rivets are designed to meet the most demanding of applications, where **an exceptional resistance** for both tensile and shear strength is needed. Quick and easy to install, they provide unalterable fastening for extensive periods of time. Structural rivets are widely employed for use in heavy applications, for example, in the automotive, construction, air conditioning and solar power industries.

STRENGTH STEEL RIVETS (BRALO)



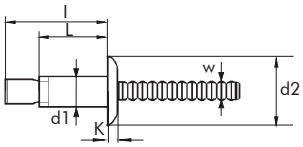
ALUMINIUM/ALUMINIUM

STRUCTURAL RIVET
Dome head



BODY: Aluminium Al Mg 5

MANDREL: Aluminum



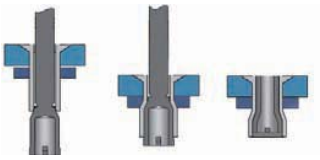
Tests according to EN ISO 14589

d1 Ø mm	L Nominal mm	mm	d2 Ø mm	K mm	W Ø mm	PACKAGING Inner	PACKAGING Outer	l Max. mm	E mm MIN. - MÁX.	(N)	(N)	REFERENCE
4,8	10,3	4,90-5,10	9,60	1,70	3,00		2.000	18,5	1,5 - 6,8	2900	2550	G180100 4810
	13,5						1.500	24,0	1,5 - 11,0			G180100 4813
6,5	14,0	6,60-7,00	13,00	2,50	4,00		1.000	25,0	1,0 - 9,5	6000	4200	G180100 6514
	20,0						1.000	35,0	2,0 - 16,0			G180100 6520

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

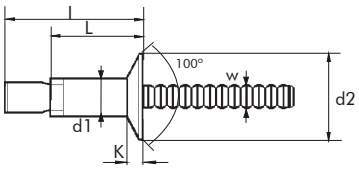
ALUMINIUM/ALUMINIUM

STRUCTURAL RIVET
Countersunk head 100º



BODY: Aluminium Al Mg 5

MANDREL: Aluminum



Tests according to EN ISO 14589

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

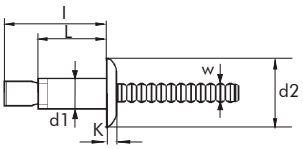
Note: This product needs to be set with a special nosepiece.
For installation information please contact your local BRALO representative

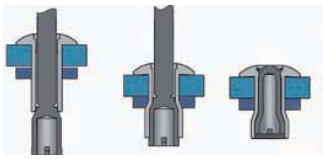
STRUCTURAL RIVET
Dome head

STEEL/STEEL

BODY: Steel Zincplated A2K

MANDREL: Steel Zincplated A2K





Tests according to EN ISO 14589

d1 Ø mm	L Nominal mm	mm	d2 Ø mm	K mm	W Ø mm	PACKAGING Inner	PACKAGING Outer	l Max. mm	E mm MIN.	E mm MÁX.	(N)	(N)	REFERENCE
4,8	10,3	4,90-5,10	9,70	1,80	3,00		2.000	18,5	1,5	6,8	5100	3900	G182100 4810
	13,5						1.500	24,0	1,5	11,0			G182100 4813
6,5	14,0	6,60-7,00	13,00	2,50	4,00		1.000	25,0	2,0	9,5	11200	8800	G182100 6514
	20,0						1.000	35,0	2,0	16,0			G182100 6520
	22,0						1.000	37,0	6,0	18,0			G182100 6522
9,7	22,0	9,90-10,4	20,00	3,70	5,90		300	36,2	3,0	15,5	26300	17500	G182100 9722

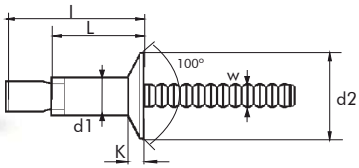
Note: This product needs to be set with a special nosepiece.
For installation information please contact your local BRALO representative

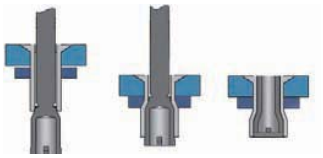
STRUCTURAL RIVET
Countersunk head 100º

STEEL/STEEL

BODY: Steel Zincplated A2K

MANDREL: Steel Zincplated A2K





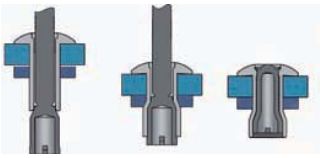
Tests according to EN ISO 14589

d1 Ø mm	L Nominal mm	mm	d2 Ø mm	K mm	W Ø mm	PACKAGING Inner	PACKAGING Outer	l Max. mm	E mm MIN.	E mm MÁX.	(N)	(N)	REFERENCE
4,8	12,3	4,90-5,10	8,70	1,80	3,00		2.000	20,0	3,2	8,4	5100	3900	G182200 4812
	16,5						1.500	26,3	3,2	12,2			G182200 4816
6,5	16,5	6,60-7,00	10,10	2,00	4,00		1.000	26,5	3,0	12,0	11200	8800	G182200 6516
	22,5						1.000	35,5	6,0	18,0			G182200 6522

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

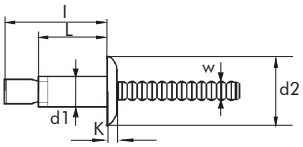
STAINLESS STEEL A2/STAINLESS STEEL A2

STRUCTURAL RIVET
Dome head



BODY: Stainless Steel /Inox 304

MANDREL: Stainless Steel /Inox 304



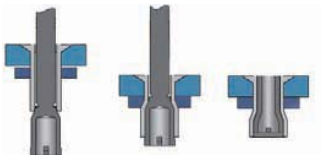
Tests according to EN ISO 14589

d1 Ø mm	L Nominal mm	mm	d2 Ø mm	K mm	W Ø mm	PACKAGING Inner	PACKAGING Outer	l Max. mm	E mm MIN. - MÁX.	(N)	(N)	REFERENCE
4,8	10,3	4,90-5,10	9,70	1,80	3,00		2.000	18,5	1,5 - 6,8	5800	5000	G182600 4810
	13,5						1.500	24,0	1,5 - 11,0			G182600 4813
6,5	14,0	6,60-7,00	13,00	2,50	4,00		1.000	24,0	2,0 - 9,5	9900	8100	G182600 6514
	20,0						1.000	33,0	2,0 - 16,0			G182600 6520

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

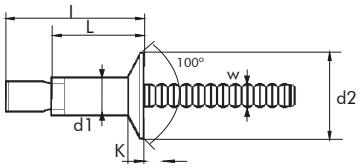
STAINLESS STEEL A2/STAINLESS STEEL A2

STRUCTURAL RIVET
Countersunk head 100º



BODY: Stainless Steel /Inox 304

MANDREL: Stainless Steel /Inox 304



Tests according to EN ISO 14589

d1 Ø mm	L Nominal mm	mm	d2 Ø mm	K mm	W Ø mm	PACKAGING Inner	PACKAGING Outer	l Max. mm	E mm MIN. - MÁX.	(N)	(N)	REFERENCE
6,5	16,5	6,60-7,00	10,60	2,00	4,00		1.000	26,0	3,0 - 12,0	9900	8100	G1827006516

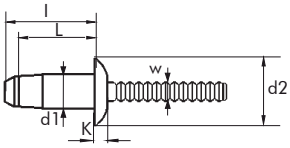
Note: This product needs to be set with a special nosepiece.
For installation information please contact your local BRALO representative

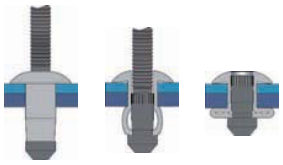
HARDLOCK RIVET
Dome head

ALUMINIUM/ALUMINIUM

BODY: Aluminium Al Mg 2,5 (AW5052)

MANDREL: Aluminium





Tests according to EN ISO 14589

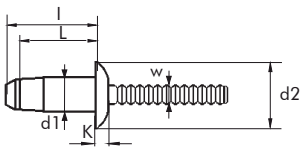
d1 Ø mm	L Nominal mm	mm	d2 Ø mm	K mm	W Ø mm	PACKAGING Inner	PACKAGING Outer	l Max. mm	E mm MIN. - MÁX.	(N)	(N)	REFERENCE
6,4	10,5	6,70-6,90	13,10	2,60	4,20		1.500	15,0	2,8 - 4,8	5000	2800	G1881006410
	12,5						1.000	17,0	4,8 - 6,8	5200	2800	G1881006412
	14,5						1.000	19,0	6,8 - 8,8	5400	2800	G1881006414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

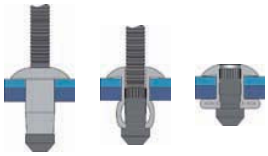
HARDLOCK RIVET
Dome head

STEEL/STEEL

BODY: Steel Zincplated A3K

MANDREL: Steel Zincplated A2K



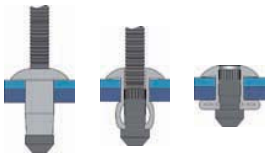


Tests according to EN ISO 14589

d1 Ø mm	L Nominal mm	mm	d2 Ø mm	K mm	W Ø mm	PACKAGING Inner	PACKAGING Outer	l Max. mm	E mm MIN. - MÁX.	(N)	(N)	REFERENCE
6,4	10,5	6,70-6,90	13,10	2,60	4,00		1.500	15,0	2,8 - 4,8	12000	8800	G1884006410
	12,5						1.000	17,0	4,8 - 6,8	12500	8800	G1884006412
	14,5						1.000	19,0	6,8 - 8,8	14000	8800	G1884006414
	16,5						1.000	21,0	8,8 - 10,8	15000	8800	G1884006416
	18,5						1.000	23,0	10,8 - 12,8	16000	8800	G1884006418
	20,5						1.000	25,0	12,8 - 14,8	16000	8800	G1884006420
	22,5						1.000	27,0	14,8 - 16,8	16000	8800	G1884006422

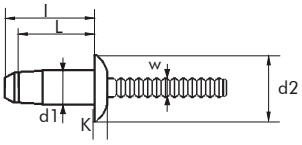
Note: Under request we do manufacture steel blind rivets with head (d2) to 19mm.

STAINLESS STEEL A2/STAINLESS STEEL A2



BODY: Stainless Steel /Inox 304

MANDREL: Stainless Steel /Inox 304



Tests according to EN ISO 14589

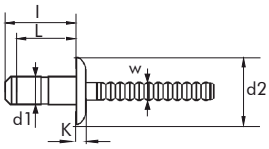
d1 ∅ mm	L Nominal mm	mm	d2 ∅ mm	K mm	W ∅ mm	PACKAGING Inner	PACKAGING Outer	l Max. mm	E mm MIN. - MÁX.	(N)	(N)	REFERENCE
6,4	**14,5**	6,70-6,90	13,10	2,60	4,00		1.000	19,0	6,8 - 8,8	13500	6500	G1886006415
	16,5						1.000	21,0	8,8 - 10,8	13500	6500	G1886006417

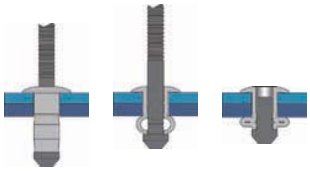
HARDGRIP RIVET
Dome head

STEEL/STEEL

BODY: Steel Zincplated A3K

MANDREL: Steel Zincplated A2K





Tests according to EN ISO 14589

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

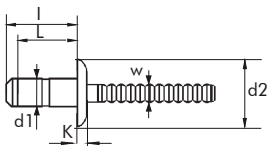
Note: Under request we do manufacture Hardgrip rivets with countersunk head (d2).

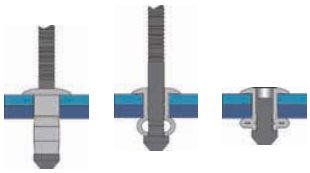
HARDGRIP RIVET
Dome head

STAINLESS STEEL A2/STAINLESS STEEL A2

BODY: Stainless Steel /Inox 304

MANDREL: Stainless Steel /Inox 304





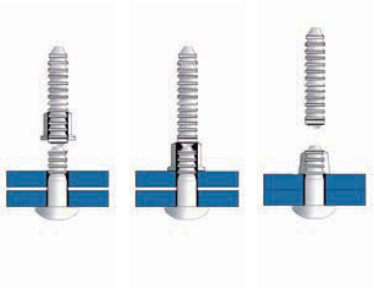
Tests according to EN ISO 14589

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

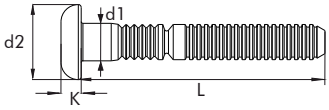
Note: Under request we do manufacture Hardgrip rivets with countersunk head (d2).

STEEL/STEEL

UNILOCK RIVET
Lockbolt



MANDREL: Steel Zincplated A3K



d1 Ø mm	L Nominal mm	mm	d2 Ø mm	K mm	PACKAGING Inner	PACKAGING Outer	E mm MIN. MÁX.	(N)	(N)	REFERENCE	
6,5	XX	6,60	13,0	3,50	2.000		*1,5 - 30,0			0742100 65XX	4 Grooves
	XX									0762100 65XX	6 Grooves

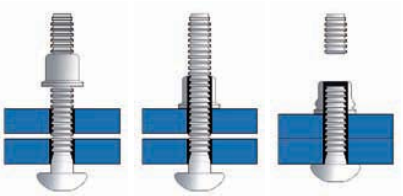
Note: This range of rivets are available under request, from a length of 3.7mm to 48 mm depending on the grip range required.

d1 Ø mm	L Nominal mm	PACKAGING Inner	PACKAGING Outer	REFERENCE
10,3	9,0	2.000		0732200 6509

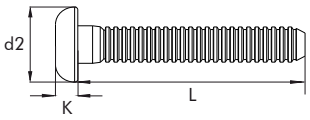
d1 Ø mm	L Nominal mm	PACKAGING Inner	PACKAGING Outer	REFERENCE
10,3	8,0	2.000		0732200 6508

STEEL/STEEL

BRALOCK RIVET
Lockbolt



MANDREL: Steel Zincplated A3K



d1 Ø mm	L Nominal mm	mm	d2 Ø mm	K mm	PACKAGING Inner	PACKAGING Outer	E mm MÁX. MIN.	(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	PACKAGING Outer	REFERENCE collar
10,3	11,0	1.000		0732800 6511

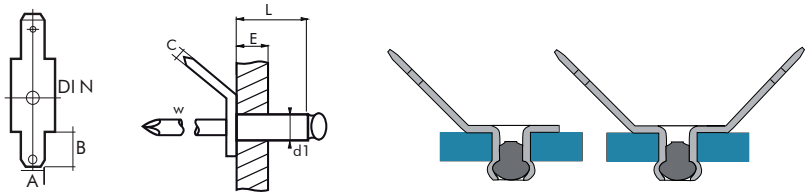
Note: Bralock is sold separately mandrel and collar.

BRASS MASS-RIVET

COPPER/STEEL

HEAD MASS-RIVET: Brass

MANDREL: Coppered Steel

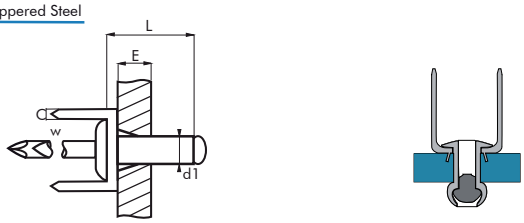


d1 Ø m/m	L Nominal m/m	m/m	A m/m	B m/m	C m/m	W Ø m/m	PACKAGING Inner	PACKAGING Outer	E m/m MÁX.	REFERENCE	
4,0	7,0	4,10	6,30	8,50	0,80	2,40	250	1.500	4,0	01910004007	1 TAB
							250	1.500	4,0	01920004007	2 TAB

MASS-RIVET: Brass

MANDREL: Coppered Steel

HEAD: Copper

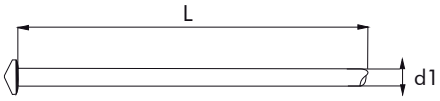


d1 Ø m/m	L Nominal m/m	m/m	A m/m	B m/m	C m/m	W Ø m/m	PACKAGING Inner	PACKAGING Outer	E m/m	REFERENCE
3,8	8,0	5,20	6,30	7,80	0,80	2,25	250	1.500	1,2	01920003808

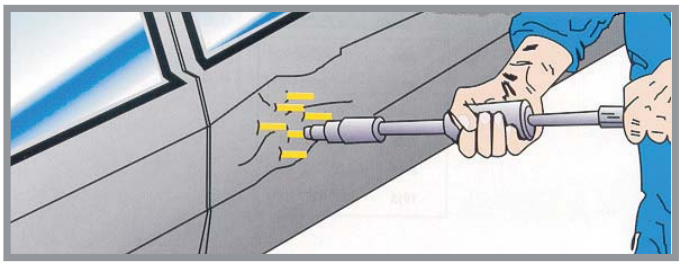
COPPERED NAILS

COPPER/STEEL

Coppered Steel

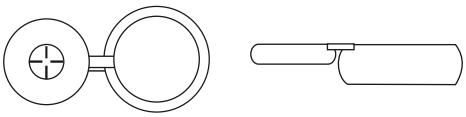


d1 Ø mm	L Nominal mm	PACKAGING Inner	PACKAGING Outer	REFERENCE
2,0	50	500	4.000	04000002050
2,5	50	500	4.000	04000002550



NYLON

CAPS FOR RIVET

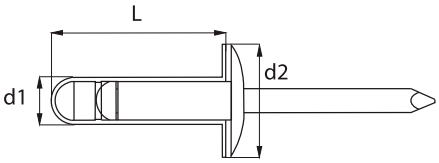


For Rivets d1 ∅ m/m	RAL		PACKAGING Inner	PACKAGING Outer	REFERENCE
3,2 4,0 4,8	Black	**9005**	500	4.000	07000N09000
	White		500	4.000	07000BL9000
	Yellow	**1004**	500	4.000	07000J19000
	Grey	**7035**	500	4.000	07000G09000
	Brown	**8014**	500	4.000	07000M09000
	Cream	**1015**	500	4.000	07000BE9000
	Blue	**5002**	500	4.000	07000A59000

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

NYLON

COVERS FOR RIVET



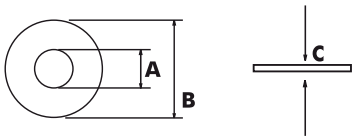
L Nominal m/m	d1 ∅ m/m	d2 ∅ m/m
21,8	5,80	14,0

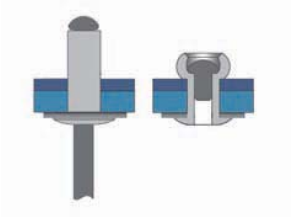
For Rivets d1 ∅ m/m	RAL		PACKAGING Inner	PACKAGING Outer	REFERENCE
4,8	Black	**9005**	250	1.000	07000N1400

WASHERS FOR RIVET

STEEL

Galvanised Steel Protection



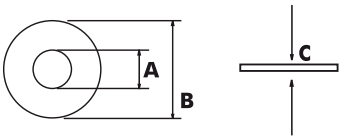


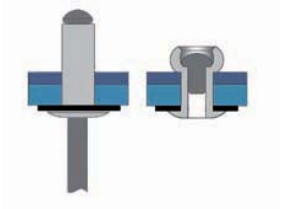
For Rivets d1 Ø m/m	A m/m	B m/m	C m/m	BLISTER		REFERENCE
2,4	2,50	9,00	1,00	1000	10.000	07210002400
3,0	3,10	9,00	1,00	1000	10.000	07210003000
3,2	3,30	9,50	1,00	1000	10.000	07210003200
4,0	4,10	12,00	1,00	500	5.000	07210004000
4,8	4,90	15,00	1,50	250	2.500	07210004800
5,0	5,10	15,00	1,50	250	2.500	07210005000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

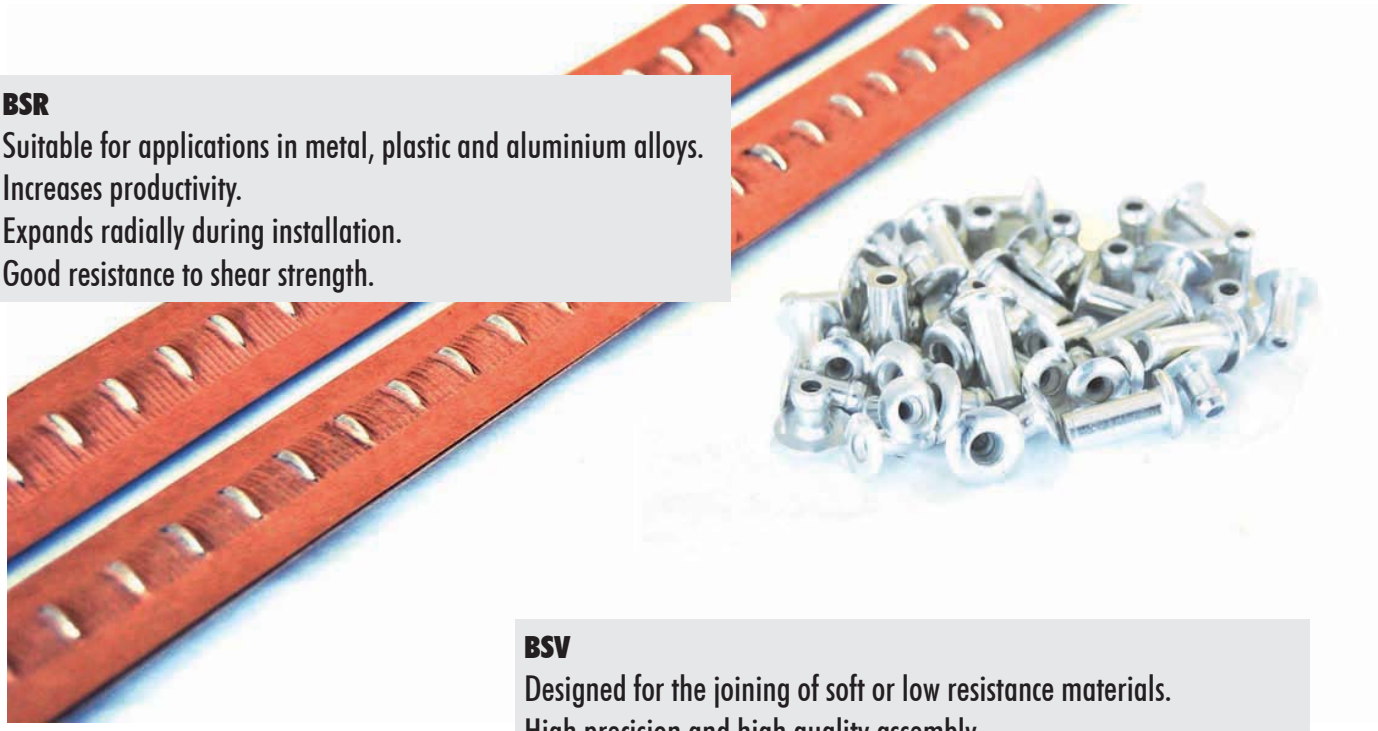




For Rivets d1 Ø m/m	A m/m	B m/m	C m/m	BLISTER		REFERENCE
3,2	3,00	6,00	0,80	1000	10.000	07020603001
4,0	3,80	7,00	0,80	1000	10.000	07020703801
4,0 4,8 Large Head Ø14 Ø15 Ø16	4,00	14,00	1,30	500	5.000	07020144001
4,8	4,60	9,00	0,80	1000	10.000	07020904601
5,0	5,00	8,00	1,30	1000	10.000	07020805001

Note: Minimum packaging, box with 10 blisters.

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 guarantees an increase in productivity. There are no interruptions and up to 60 rivets per minute can be placed.



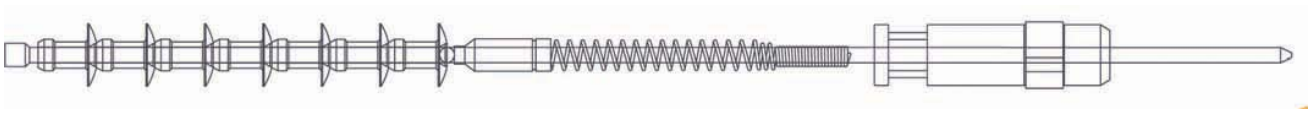
BSR
Suitable for applications in metal, plastic and aluminium alloys.
Increases productivity.
Expands radially during installation.
Good resistance to shear strength.

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

PLACEMENT

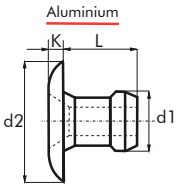
They are supplied in a strip of paper (loading system) and placed using a repetition system with a single mandrel. At the end of a riveting cycle, the next rivet is automatically fed in the tool nose-piece, ready to begin a new cycle.

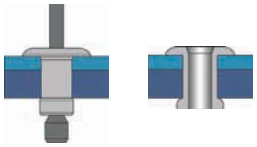
This is due to its bulging and pre-shaped end. The result is a fastener element with a high torque capacity and a good resistance to shear strength.



SPEED RIVET BSR
Dome head

ALUMINIUM



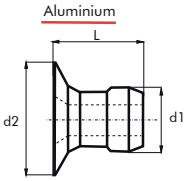


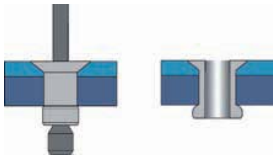
d1 Ø m/m	L Nominal m/m	m/m	d2 Ø MIN. m/m	d2 Ø MÁX. m/m	K m/m	Nºpieces	PACKAGING Outer	E m/m MIN. – MÁX.	(N)	(N)	REFERENCE
3,2	**4,3**	3,26-3,34	**5,9**	**6,4**	1,00	58	30.000	1,20 - 2,40	720	1260	G1550003204
	5,3					48	25.000	2,20 - 3,40			G1550003205
	6,3					42	20.000	3,20 - 4,40			G1550003206
	7,3					37	20.000	4,20 - 5,40			G1550003207
	8,3					33	15.000	5,20 - 6,40			G1550003208
	9,3					30	15.000	6,20 - 7,50			G1550003209
4,0	**4,9**	3,97-4,04	**7,5**	**8,0**	1,00	52	23.000	1,60 - 2,90	1100	1700	G1550004005
	5,9					44	20.000	2,70 - 3,90			G1550004006
	6,9					38	17.000	3,70 - 4,90			G1550004007
	7,9					34	15.000	4,70 - 5,90			G1550004008
	8,9					30	13.000	5,70 - 6,90			G1550004009
4,8	**6,1**	4,85-4,93	**9,0**	**9,6**	1,20	42	15.000	2,15 - 3,90	1490	2250	G1550004806
	7,3					36	13.000	3,70 - 5,20			G1550004807
	8,6					31	11.000	5,00 - 6,40			G1550004808
	9,9					28	10.000	6,30 - 7,70			G1550004809
	11,1					24	9.0000	7,50 - 9,00			G1550004811

Note: This range is manufactured under request. For detailed information on minimum quantities and delivery times please contact your BRALO representative.

SPEED RIVET BSR
Countersunk head

ALUMINIUM



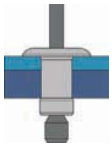


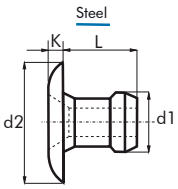
d1 Ø m/m	L Nominal m/m	m/m	d2 Ø MIN. m/m	d2 Ø MÁX. m/m	Nºpieces	PACKAGING Outer	E m/m MIN. – MÁX.	(N)	(N)	REFERENCE
3,2	**4,8**	3,26-3,34	**5,1**	**5,9**	65	30.000	1,60 - 2,70	700	1000	G1552003204
	5,8				52	25.000	2,60 - 3,80			G1552003205
	6,8				44	20.000	3,60 - 4,80			G1552003206
	7,8				38	20.000	4,60 - 5,80			G1552003207
	8,8				34	17.000	5,60 - 6,80			G1552003208
4,0	**5,2**	3,97-4,04	**6,1**	**6,9**	58	25.000	1,60 - 2,90	1100	1700	G1552004005
	5,7				54	23.000	2,20 - 3,40			G1552004055
	6,2				49	20.000	2,70 - 3,90			G1552004006
	7,2				42	20.000	3,70 - 4,90			G1552004007
	8,2				36	15.000	4,70 - 5,90			G1552004008
	9,2				32	15.000	5,70 - 6,90			G1552004009

Note: This range is manufactured under request. For detailed information on minimum quantities and delivery times please contact your BRALO representative.

STEEL

SPEED RIVET BSR
Dome head



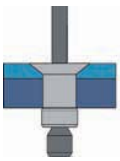


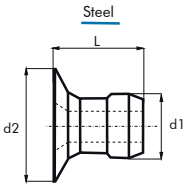
d1 Ø m/m	L Nominal m/m	m/m	d2 Ø MIN. m/m	d2 Ø MÁX. m/m	K m/m	Nºpieces	PACKAGING Outer	E m/m MIN.	E m/m MÁX.	(N)	(N)	REFERENCE
3,2	**3,8**	3,26-3,34	**5,9**	**6,4**	1,10	65	30.000	1,00	1,90	1100	1800	G1560003203
	4,3					58	30.000	1,20	2,40			G1560003204
	5,3					48	25.000	2,20	3,40			G1560003205
	6,3					42	20.000	3,20	4,40			G1560003206
	7,3					37	20.000	4,20	5,40			G1560003207
	8,3					33	15.000	5,20	6,40			G1560003208
	9,3					30	15.000	6,20	7,50			G1560003209
4,0	**4,9**	3,97-4,04	**7,5**	**8,0**	1,00	52	23.000	1,60	2,90	1600	2800	G1560004005
	5,4					44	20.000	2,20	3,40			G1560004055
	5,9					44	20.000	2,70	3,90			G1560004006
	6,9					38	17.000	3,70	4,90			G1560004007
	7,9					34	15.000	4,70	5,90			G1560004008
	8,9					30	13.000	5,70	6,90			G1560004009
4,8	**5,4**	4,85-4,93	**9,0**	**9,6**	1,20	46	15.000	1,70	3,30	2200	3700	G1560004805
	6,1					42	15.000	2,10	3,90			G1560004806
	7,3					36	13.000	3,70	5,20			G1560004807
	8,6					31	11.000	5,00	6,40			G1560004808
	9,9					28	10.000	6,30	7,70			G1560004809
	11,1					24	9.000	7,50	9,00			G1560004811

Note: This range is manufactured under request. For detailed information on minimum quantities and delivery times please contact your BRALO representative.

STEEL

SPEED RIVET BSR
Countersunk head



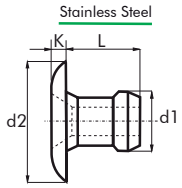


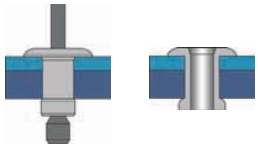
d1 Ø m/m	L Nominal m/m	m/m	d2 Ø MIN. m/m	d2 Ø MÁX. m/m	Nºpieces	PACKAGING Outer	E m/m MIN.	E m/m MÁX.	(N)	(N)	REFERENCE
3,2	**4,3**	3,26-3,34	**5,1**	**5,9**	70	30.000	1,30	2,00	900	1600	G1562003203
	4,8				65	30.000	1,60	2,70			G1562003204
	5,8				52	25.000	2,60	3,80			G1562003205
	6,8				44	20.000	3,60	4,80			G1562003206
	7,8				38	20.000	4,60	5,80			G1562003207
	8,8				34	17.000	5,60	6,80			G1562003208
4,0	**5,2**	3,97-4,04	**6,1**	**6,9**	58	25.000	1,60	2,90	1600	2800	G1562004005
	5,7				54	23.000	2,20	3,40			G1562004055
	6,2				49	20.000	2,70	3,90			G1562004006
	7,2				42	20.000	3,70	4,90			G1562004007
	8,2				36	15.000	4,70	5,90			G1562004008
	9,2				32	15.000	5,70	6,90			G1562004009

Note: This range is manufactured under request. For detailed information on minimum quantities and delivery times please contact your BRALO representative.

SPEED RIVET BSR
Dome head

STAINLESS STEEL A2





d1 Ø m/m	L Nominal m/m	m/m	d2 Ø MIN. m/m	d2 Ø MÁX. m/m	K m/m	Nºpieces	PACKAGING Outer	E m/m MIN. – MÁX.	(N)	(N)	REFERENCE
3,2	**4,3**	3,27-3,34	**5,8**	**6,4**	1,00	58	30.000	1,20 - 2,40	1300	2000	G1570003204
	5,3					48	25.000	2,20 - 3,40			G1570003205
	6,3					42	20.000	3,20 - 4,40			G1570003206
4,0	**4,9**	3,97-4,04	**7,5**	**8,0**	1,00	52	23.000	1,60 - 2,90	2400	3500	G1570004004
	5,4					44	20.000	2,20 - 3,40			G1570004005
	5,9					44	20.000	2,70 - 3,90			G1570004006
	6,9					38	17.000	3,70 - 4,90			G1570004007
4,8	**5,4**	4,85-4,93	**9,0**	**9,6**	1,20	46	15.000	1,70 - 3,30	3500	5100	G1570004805
	6,1					42	15.000	2,10 - 3,90			G1570004806
	7,3					36	13.000	3,70 - 5,20			G1570004807

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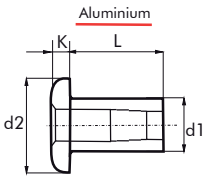
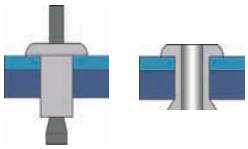
SPEED RIVET BSV
Dome head

ALUMINIUM





d1 Ø m/m	L Nominal m/m	m/m	d2 Ø MIN. m/m	d2 Ø MÁX. m/m	K m/m	Nºpieces	PACKAGING Outer	E m/m MIN. – MÁX.	(N)	(N)	REFERENCE
3,2	**3,2**	3,30-3,35	**4,9**	**5,5**	1,20	70	30.000	0,50 - 1,60	500		G1510003203
	4,8					51	25.000	1,60 - 3,20			G1510003205
	6,4					38	20.000	3,20 - 4,80			G1510003206
	7,9					32	17.000	4,80 - 6,40			G1510003207
	9,5					27	15.000	6,40 - 7,90			G1510003209
	11,1					23	12.000	7,90 - 9,50			G1510003211
4,0	**4,8**	4,10-4,15	**5,9**	**6,5**	1,50	46	20.000	1,60 - 3,20	700		G1510004004
	6,4					38	17.000	3,20 - 4,80			G1510004006
	7,9					34	15.000	4,80 - 6,40			G1510004007
	9,5					27	12.000	6,40 - 7,90			G1510004009
	11,1					23	9.000	7,90 - 9,50			G1510004011
4,8	**5,6**	4,85-4,95	**8,3**	**8,9**	1,80	38	13.000	1,60 - 3,20	1000		G1510004805
	7,2					33	12.000	3,20 - 4,80			G1510004807
	8,8					28	10.000	4,80 - 6,40			G1510004808
	10,3					24	9.000	6,40 - 7,90			G1510004810
	11,9					22	8.000	7,90 - 9,50			G1510004811

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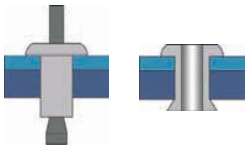
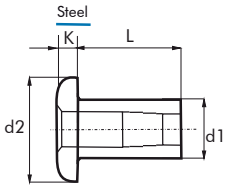
STEEL

SPEED RIVET BSV
Dome head





d1 Ø m/m	L Nominal m/m	m/m	d2 Ø m/m MIN.	d2 Ø m/m MÁX.	K m/m	Nºpieces	PACKAGING Outer	E m/m MIN.	E m/m MÁX.	(N)	(N)	REFERENCE
3,2	**3,2**	3,28-3,34	**4,9**	**5,5**	1,20	70	30.000	0,50	1,60	1000		G1520003203
	4,8					51	25.000	1,60	3,20			G1520003205
	6,4					38	20.000	3,20	4,20			G1520003206
	7,9					32	17.000	4,80	6,40			G1520003207
	9,5					27	15.000	6,40	7,90			G1520003209
	11,1					23	12.000	7,90	9,50			G1520003211
4,0	**4,8**	4,09-4,16	**5,9**	**6,5**	1,50	46	20.000	1,60	3,20	1400		G1520004004
	6,4					38	17.000	3,20	4,40			G1520004006
	7,9					34	15.000	4,80	6,40			G1520004007
	9,5					27	12.000	6,40	7,90			G1520004009
	11,1					23	9.000	7,90	9,50			G1520004011
4,8	**5,6**	4,85-4,93	**8,3**	**8,9**	1,80	38	13.000	1,60	3,20	2400		G1520004805
	7,2					33	12.000	3,20	4,80			G1520004807
	8,8					28	10.000	4,80	6,40			G1520004808
	10,3					24	9.000	6,40	7,90			G1520004810
	11,9					22	8.000	7,90	9,50			G1520004812

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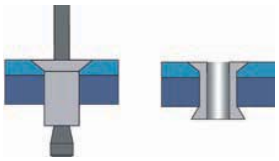
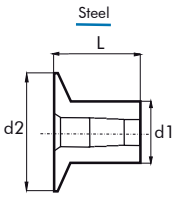
STEEL

SPEED RIVET BSV
Countersunk head





d1 Ø m/m	L Nominal m/m	m/m	d2 Ø m/m MIN.	d2 Ø m/m MÁX.	Nºpieces	PACKAGING Outer	E m/m MIN.	E m/m MÁX.	(N)	(N)	REFERENCE
3,2	**3,2**	3,28-3,34	**5,2**	**5,8**	70	30.000	0,50	1,60	1000		G1522003203
	4,0				70	30.000	1,00	2,40			G1522003204
	4,8				65	30.000	1,60	3,20			G1522003205
	6,4				46	20.000	3,20	4,80			G1522003206
	8,1				37	15.000	4,80	6,40			G1522003208
	9,5				34	15.000	6,40	7,90			G1522003209
4,0	**4,8**	4,09-4,16	**6,2**	**6,8**	62	20.000	1,60	3,20	1400		G1522004004
	6,4				46	20.000	3,20	4,80			G1522004006
	8,1				37	15.000	4,80	6,40			G1522004008
	9,5				31	13.000	6,40	7,90			G1522004009
	11,2				27	12.000	7,90	9,50			G1522004011
4,8	**5,6**	4,85-4,93	**8,6**	**9,2**	52	15.000	1,60	3,20	2400		G1522004805
	7,2				41	15.000	3,20	4,80			G1522004807
	8,8				33	10.000	4,80	6,40			G1522004808
	10,3				28	10.000	6,40	7,90			G1522004810
	11,9				24	9.000	7,90	9,50			G1522004812

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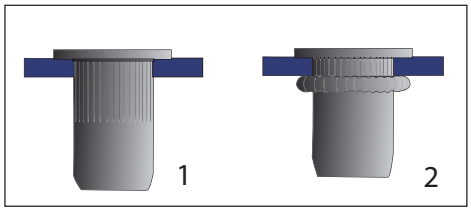
Insert Nuts

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.

They are used for fastening materials with single sided setting access, such as hinges, supports or panels.

Installation can be done at any stage of production, even after lacquering.

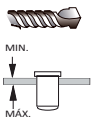


1. Insert the nut onto the tool and then into the hole. Push the trigger and the tool will set the main body, completely filling the hole through a radial expansion.

2. The insert nut reduces after being set. Finally, unscrew the nut from the tool.

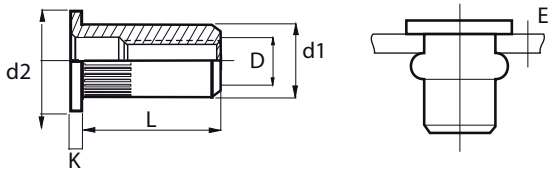
DIMENSIONS

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

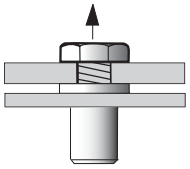


Diameter hole (mm)

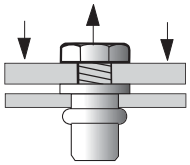
Grip Range (mm)



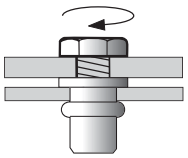
STRENGTH



Setting effort (N)
It is the tensile force necessary to cause the riveting force to assemble the insert nut.



Thread tensile force (N)
Occurs when a riveted joint is subjected to two forces in opposite directions applied to the symmetry axis of the insert.



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

Insert nuts types

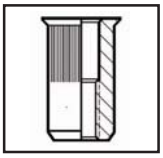
SELECTION OF THE INSERT NUT

DIAMETER OF THE HEAD:
BRALO offer many different sizes ranging from M3 to M12. The head is selected according to the material that is to be joined.

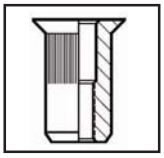
SORT OF INSERT NUT:
There are five types of BRALO Insert Nuts: cylindrical, grooved, hexagon, half-hexagon and grooved stud nut. Also, an option of open or closed end must be chosen. They also have diverse characteristics such as torque setting, strengths and materials.

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

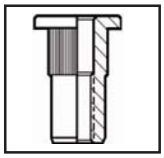
CORROSION RESISTANCE:
We shall attempt to break the contact between the two metals to reduce the corrosion, by using zincplatings, protective coatings or paintings, that prevent any contact between materials: Delta Seal, galvanised, anodised, zinc nickel, etc.



REDUCED HEAD
It offers the possibility of creating a virtual flat surface without the need of counter-sunking.



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



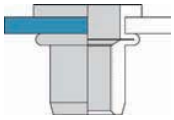
LARGE HEAD
It provides a large bearing area that strengthens the hole and prevents traction and pulling failures. It can also be used as a separator.

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

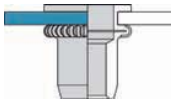
CLOSED END
This type of insert nut is ideal when a sealed end is needed to guarantee a watertight application.

INSERT NUTS TYPES

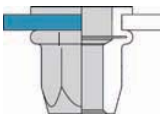
CYLINDRICAL INSERT NUT
Especially designed to work with resistant materials.
Particularly used in leveling work.
Excellent solution to obtain a resistant thread in parts with a reduced thickness.
Its installation can be incorporated at any stage of production.



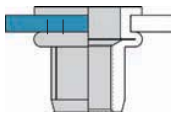
GROOVED INSERT NUT
Ideal for applications with thin metal sheets, tubes, extrusion or plastic.
It resists turning.
Improves its resistance to rotation once it has been set.
Fast and high precision assembly.



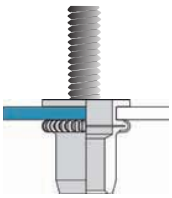
HEXAGON INSERT NUT
Offers an exceptional mechanical resistance.
Resistance to rotation and extraction in thin sheets.
Fast and high precision assembly.
Eliminates unscrewing.



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 where access is difficult.
Used in air conditioning systems, electrical appliances and electronics.
Improves the resistance to rotation.

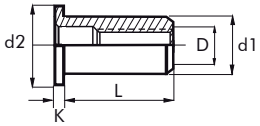


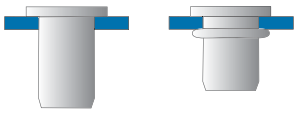
CYLINDRICAL INSERT NUT

Large head - Open end

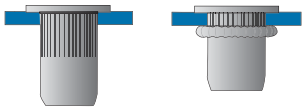
STEEL

Steel Zincplated A3K

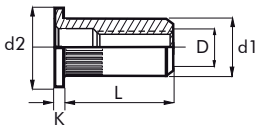




D	E mm MIN. - MÁX.	L Nominal mm	d1 Ø mm	d2 Ø mm	K mm	mm	PACKAGING Inner	PACKAGING Outer	(N)	(N)	(Nm)	REFERENCE
M 4	0,5 - 2,0	**9,50**	5,90	9,00	1,00	6,10	500	4.000	4400	7900	3,0	0301104006
	2,0 - 4,0	**12,25**					500	4.000				0301114006
M 5	0,5 - 3,0	**12,00**	6,90	10,00	1,00	7,10	500	4.000	5300	9800	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	**14,50**	8,90	13,00	1,50	9,10	250	2.000	6500	19100	12,0	0301106009
	3,0 - 5,5	**16,50**					250	1.500				0301116009
	5,5 - 8,0	**21,50**					250	1.500				0301186009
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**	16,00	1,70	12,10	150	900	12000	34000	30,0	0301101012
M 10	1,0 - 3,5	**19,50**	**12,90**	19,00	2,00	13,10	150	900	11000	43300	30,0	0301101013
	3,5 - 6,0	**21,50**					100	600				0301111013
	5,5 - 8,0	**27,00**						500				G301181013
M 12	1,0 - 4,0	**25,00**	15,90	23,00	2,00	16,10		500	18000	>57800	54,0	G301101216



Steel Zincplated A3K



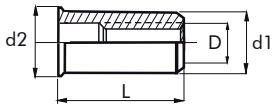
D	E mm MIN. - MÁX.	L Nominal mm	d1 Ø mm	d2 Ø mm	K mm	mm	PACKAGING Inner	PACKAGING Outer	(N)	(N)	(Nm)	REFERENCE
M 3	0,25 - 2,5	**10,50**	4,90	8,00	1,00	5,10	500	4.000	2400	4100	2,2	0371103005
M 4	0,5 - 3,0	**9,50**	5,90	9,00	1,00	6,10	500	4.000	3900	7900	4,5	0371104006
	3,0 - 4,5	**12,25**					500	4.000				0371114006
M 5	0,5 - 3,0	**12,00**	6,90	10,00	1,00	7,10	500	4.000	5700	12000	6,4	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	6000	20000	17,8	0371106009
	3,0 - 5,5	**16,50**					250	1.500				0371116009
	0,5 - 2,0	**13,00**					250	2.000				0371136009
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	2,00	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	0371101216

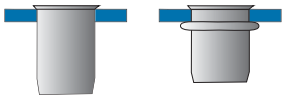
CYLINDRICAL INSERT NUT

Reduced head - open end

STEEL

Steel Zincplated A3K





D	E mm MIN. – MÁX.	L Nominal mm	d1 Ø mm	d2 Ø mm	mm	PACKAGING Inner	PACKAGING Outer	(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	10,60	9,60	500	3.000	6500	19100	6,5	0301206009
M 8	0,5 - 3,0	**16,00**	10,50	11,60	10,60	250	1.500	8350	29800	8,6	0301208011

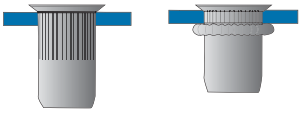
For drills in inches.

D	E mm MIN. – MÁX.	L Nominal mm	d1 Ø mm	d2 Ø mm	mm	PACKAGING Inner	PACKAGING Outer	(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

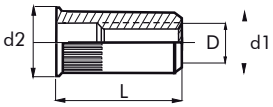
For drills in mm.

STEEL

GROOVED INSERT NUT
Reduced head - open end



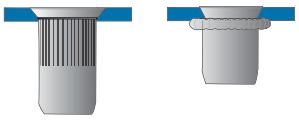
Steel Zincplated A3K



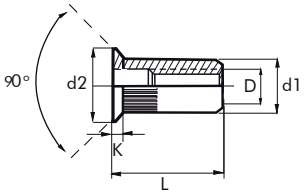
D	E mm MIN. – MÁX.	L Nominal mm	d1 Ø mm	d2 Ø mm	mm	PACKAGING Inner	PACKAGING Outer	(N)	(N)	(Nm)	REFERENCE
M 4	0,5 - 2,0	**10,40**	5,90	7,00	6,10	500	4.000	3900	7900	2,9	0371204006
M 5	0,5 - 3,0	**11,50**	6,90	8,00	7,10	500	4.000	5800	9800	6,0	0371205007
M 6	0,5 - 3,0	**14,50**	8,90	10,00	9,10	500	3.000	6500	16500	10,1	0371206009
	3,0 - 5,5	**16,50**				500	3.000				0371216009
M 8	0,5 - 3,0	**16,80**	10,90	12,00	11,10	250	1.500	8400	29800	15,5	0371208011
	3,0 - 5,5	**18,50**				250	1.500				0371218011
M 10	0,7 - 3,5	**21,00**	12,90	14,00	13,10	150	900	11000	43300	20,0	0371201013
	3,0 - 5,5	**23,50**					500				G371211013
M 12	1,0 - 3,5	**24,20**	15,90	17,00	16,10		500	17200	57800	30,0	G371201216

STEEL

GROOVED INSERT NUT
Countersunk head - open end



Steel Zincplated A3K

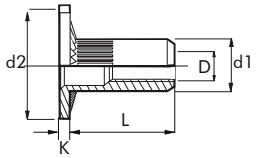


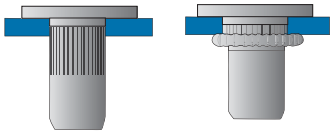
D	E mm MIN. – MÁX.	L Nominal mm	d1 Ø mm	d2 Ø mm	K mm	mm	PACKAGING Inner	PACKAGING Outer	(N)	(N)	(Nm)	REFERENCE
M 4	1,5 - 3,0	**11,00**	5,90	8,50	1,50	6,10	500	4.000	3900	7900	3,3	0371304006
M 5	1,5 - 4,0	**13,00**	6,90	10,00	1,50	7,10	500	4.000	5800	9800	6,5	0371305007
M 6	1,5 - 4,0	**16,00**	8,90	12,00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

Steel Zincplated A3K



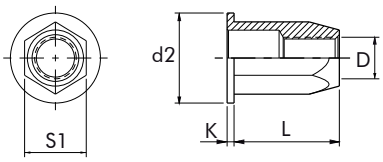


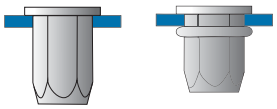
D	E mm MIN. MÁX.	L Nominal mm	d1 Ø mm	d2 Ø mm	K mm	mm	PACKAGING Inner	PACKAGING Outer	(N)	(N)	(Nm)	REFERENCE
M 5	3,0 - 5,0	**17,70**	8,95	18,50	1,50	9,10		1.000	8700	9800	9,1	G371705009T1
M 6	3,0 - 5,0	**17,70**	8,95	18,50	1,50	9,10		1.000	8700	19100	13,0	G371706009T

HEXAGON INSERT NUT
Large head - open end

STEEL

Steel Zincplated A3K

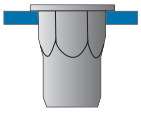




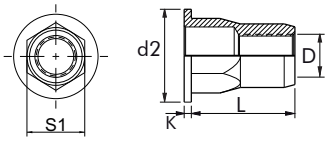
D	E mm MIN. MÁX.	L Nominal mm	S1 Ø mm	d2 Ø mm	K mm	mm	PACKAGING Inner	PACKAGING Outer	(N)	(N)	(Nm)	REFERENCE
M 4	0,5 - 2,0	**10,00**	5,90	9,00	1,00	6,10	500	4.000	3400	7900	4,8	0311104006
M 5	0,5 - 3,0	**13,00**	6,90	10,00	1,00	7,10	500	4.000	4900	9800	6,5	0311105007
M 6	0,5 - 3,0	**14,20**	8,90	13,00	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

HEXAGON CYLINDRICAL INSERT NUT
Large head - open end



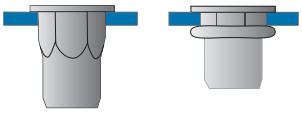
Steel Zincplated A3K



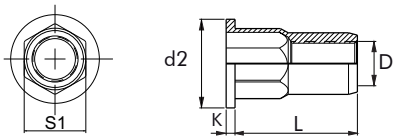
D	E mm MIN. MÁX.	L Nominal mm	S1 Ø mm	d2 Ø mm	K mm	mm	PACKAGING Inner	PACKAGING Outer	(N)	(N)	(Nm)	REFERENCE
M 4	0,5 - 2,5	**10,00**	5,90	9,00	1,00	6,10	500	4.000	3400	7900	3,3	0334104006
M 5	0,5 - 3,0	**12,50**	6,90	10,00	1,00	7,10	500	4.000	4900	9800	6,2	0334105007
M 6	0,5 - 3,0	**14,50**	8,90	13,00	1,50	9,10	250	2.000	7100	19100	14,7	0334106009

STEEL

HALF-HEXAGON INSERT NUT
Large head - open end



Steel Zincplated A3K

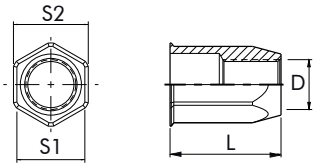


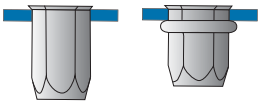
D	E mm MIN. MÁX.	L Nominal mm	d1 Ø mm	d2 Ø mm	K mm	mm	PACKAGING Inner	PACKAGING Outer	(N)	(N)	(Nm)	REFERENCE
M 6	0,5 - 3,0	**14,50**	8,90	13,00	1,50	9,10	250	2.000	7100	19100	14,7	0331106009
M 8	0,5 - 3,0	**16,50**	10,90	16,00	1,50	11,10	250	1.500	7500	19300	20,0	0331108011
M 12	1,0 - 4,0	**25,00**	15,90	23,00	2,00	16,10		500	17200	44000	115,0	0331101216

HEXAGON INSERT NUT
Reduced head - open end

STEEL

Steel Zincplated A3K



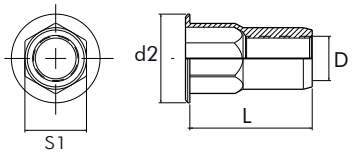


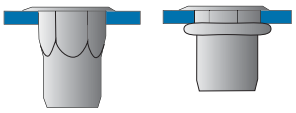
D	E mm MIN. - MÁX.	L Nominal mm	S1 Ø mm	S2 Ø mm	mm	PACKAGING Inner	PACKAGING Outer	(N)	(N)	(Nm)	REFERENCE
M 4	0,5 - 2,0	**11,00**	5,90	6,60	6,10	500	4.000	3400	7900	4,1	0311204006
M 5	0,5 - 3,0	**14,00**	6,90	8,00	7,10	500	4.000	4900	9800	8,0	0311205007
	3,0 - 5,5	**16,50**				500	3.000				0311215007
M 6	0,5 - 3,0	**16,00**	8,90	9,80	9,10	500	3.000	7500	19100	12,0	0311206009
	3,0 - 5,5	**18,50**				500	3.000				0311216009
M 8	0,5 - 3,0	**18,00**	10,90	11,80	11,10	250	1.500	9600	29800	38,0	0311208011
	3,0 - 5,5	**20,50**					1.000				G311218011
M 10	0,5 - 3,5	**22,00**	12,90	14,00	13,10	150	900	12600	43300	70,0	0311201013
	3,5 - 6,0	**24,00**					500				G311211013
M 12	1,0 - 4,0	**25,00**	16,00	17,50	16,10	100	600	17200	57800	98,0	0311201216
	4,0 - 8,0	**28,00**					300				G311281216

HALF-HEXAGON INSERT NUT
Plane head - open end

STEEL

Steel Zincplated A3K



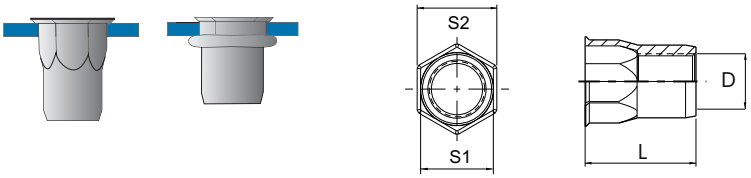


D	E mm MIN. - MÁX.	L Nominal mm	S1 Ø mm	d2 Ø mm	mm	PACKAGING Inner	PACKAGING Outer	(N)	(N)	(Nm)	REFERENCE
M 4	0,5 - 2,0	**10,50**	6,30	9,50	6,10	500	4.000	2800	7900	4,8	0331504006
M 5	0,5 - 2,5	**11,80**	7,10	9,90	7,20	500	4.000	3600	9800	9,4	0331505007
M 6	0,75 - 4,0	**15,00**	9,50	13,00	9,60	500	3.000	4700	19100	14,7	0331526009

STEEL

HALF - HEXAGON INSERT NUT
Reduced head - open end

Steel Zincplated A3K



D	E mm MIN. - MÁX.	L Nominal mm	S1 Ø mm	S2 Ø mm	mm	PACKAGING Inner	PACKAGING Outer	(N)	(N)	(Nm)	REFERENCE
M 4	0,5 - 2,5	**10,50**	6,30	7,00	6,40	500	4.000	2900	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.

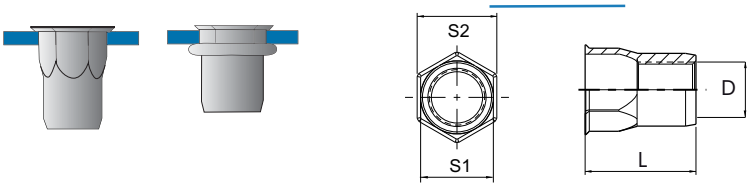
D	E mm MIN. - MÁX.	L Nominal mm	S1 Ø mm	S2 Ø mm	mm	PACKAGING Inner	PACKAGING Outer	(N)	(N)	(Nm)	REFERENCE
M 4	0,5 - 2,5	**10,50**	5,90	7,00	6,10	500	4.000	2900	7900	4,6	0331204005
M 5	0,5 - 3,0	**12,00**	6,90	8,00	7,10	500	4.000	4300	9800	6,2	0331205006
M 6	0,7 - 3,0	**14,50**	8,90	10,00	9,10	500	3.000	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	**20,00**	12,90	14,50	13,10	150	900	7200	40700	72,0	0331201013

For drills in mm.

STEEL

HEXAGON CYLINDRICAL INSERT NUT
Reduced head - open end

Steel Zincplated A3K

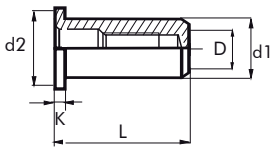


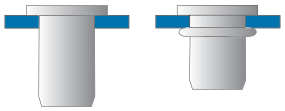
D	E mm MIN. - MÁX.	L Nominal mm	S1 Ø mm	S2 Ø mm	mm	PACKAGING Inner	PACKAGING Outer	(N)	(N)	(Nm)	REFERENCE
M 6	0,7 - 3,0	**15,00**	8,90	10,00	9,10	500	3.000	5700	19100	19,0	0334206009
M 10	1,0 - 3,5	**20,00**	12,90	14,50	13,10	150	900	7200	40700	72,0	0334201013
	3,5 - 6,0	**24,00**				150	900				0334211013

CYLINDRICAL INSERT NUT
Large head - closed end

STEEL

Steel Zincplated A3K





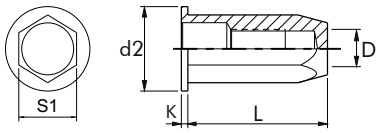
D	E mm MIN. - MÁX.	L Nominal mm	d1 Ø mm	d2 Ø mm	K mm	mm	PACKAGING Inner	PACKAGING Outer	(N)	(N)	(Nm)	REFERENCE
M 5	0,5 - 2,5	**18,00**	6,90	10,00	1,00	7,10	500	3.000	5300	9800	7,0	0301405007
M 6	0,5 - 3,0	**21,50**	8,90	13,00	1,50	9,10	250	1.500	6300	20200	12,0	0301406009
M 8*	1,0 - 4,0	**23,50**	10,90	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

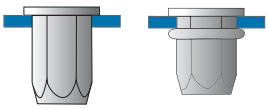
*Note: This insert nut has a grooved head.

HEXAGON INSERT NUT
Large head - closed end

STEEL

Steel Zincplated A3K

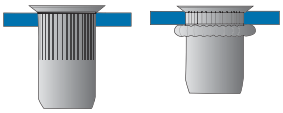




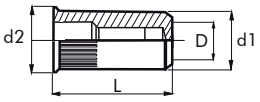
D	E mm	L Nominal mm	S1 Ø mm	d2 Ø mm	K mm	mm	PACKAGING Inner	PACKAGING Outer	(N)	(N)	(Nm)	REFERENCE
M 5	0,5 - 3,0	**19,00**	6,95	10,00	1,10	7,10	500	3.000	4900	9800	6,8	0311405007
M 6	0,5 - 3,0	**21,50**	8,95	13,00	1,50	9,10	250	1.500	7100	19100	22,0	0311406009
M 8	0,5 - 3,0	**24,50**	10,95	16,00	1,50	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



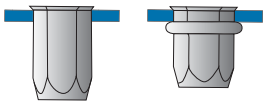
Steel Zincplated A3K

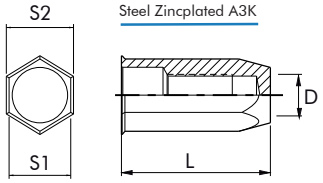


D	E mm MIN. MÁX.	L Nominal mm	d1 Ø mm	d2 Ø mm	mm	PACKAGING Inner	PACKAGING Outer	(N)	(N)	(Nm)	REFERENCE
M 4	0,5 - 2,0	**14,90**	5,90	7,00	6,10	500	4.000	3000	7000	2,9	0375204006
M 5	0,5 - 3,0	**18,00**	6,90	8,00	7,10	500	3.000	5800	9800	6,0	0375205007
M 6	0,5 - 3,0	**21,50**	8,90	9,90	9,10	250	1.500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





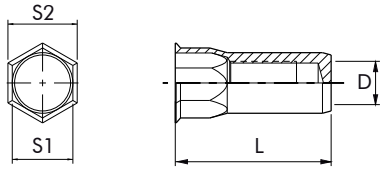
D	E mm MIN. MÁX.	L Nominal mm	S1 Ø mm	S2 Ø mm	mm	PACKAGING Inner	PACKAGING Outer	(N)	(N)	(Nm)	REFERENCE
M 5	0,5 - 2,0	**20,00**	6,95	8,00	7,10	500	3.000	4900	9800	8,0	0311705007
M 6	0,5 - 3,0	**22,00**	8,95	10,0	9,10	250	1.500	7100	19100	12,0	0311706009

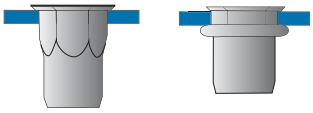
HALF-HEXAGON INSERT NUT

Reduced head - closed end

STEEL

Steel Zincplated A3K

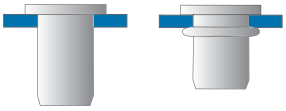




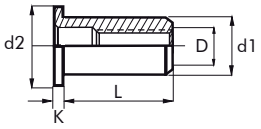
D	E mm MIN. - MÁX.	L Nominal mm	S1 Ø mm	S2 Ø mm	mm	PACKAGING Inner	PACKAGING Outer	(N)	(N)	(Nm)	REFERENCE
M 4	0,5 - 2,5	**16,50**	5,90	7,00	6,10	500	4.000	2900	7900	4,6	0331704006
M 5	0,5 - 3,0	**18,50**	6,90	8,00	7,10	500	4.000	4300	9800	6,2	0331705007
M 6	0,5 - 3,0	**21,50**	8,90	10,00	9,10	250	1.500	5700	19100	19,0	0331706009
M 8	0,5 - 3,0	**24,00**	10,90	12,00	11,10	250	1.500	7000	29800	34,0	0331708011

STAINLESS STEEL

CYLINDRICAL INSERT NUT
Large head - open end



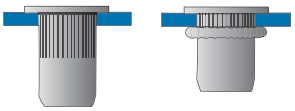
Stainless Steel/Inox 304



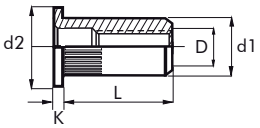
D	E mm MIN. MÁX.	L Nominal mm	d1 Ø mm	d2 Ø mm	K mm	mm	PACKAGING Inner	PACKAGING Outer	(N)	(N)	(Nm)	REFERENCE
M 4	0,5 - 2,0	**9,50**	5,90	9,00	1,00	6,10	500	4.000	4900	10000	3,1	0303104006
M 5	0,5 - 3,0	**12,00**	6,90	10,00	1,00	7,10	500	4.000	6000	15800	6,9	0303105007
M 6	0,5 - 3,0	**14,50**	8,90	13,00	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



Stainless Steel/Inox 304

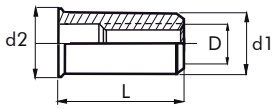


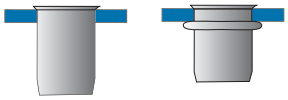
D	E mm MIN. MÁX.	L Nominal mm	d1 Ø mm	d2 Ø mm	K mm	mm	PACKAGING Inner	PACKAGING Outer	(N)	(N)	(Nm)	REFERENCE
M 4	0,5 - 2,0	**9,50**	5,90	9,00	1,00	6,10	500	4.000	5600	9100	6,4	0373104006
M 5	0,5 - 3,0	**12,00**	6,90	10,00	1,00	7,10	500	4.000	6800	15800	8,4	0373105007
	3,0 - 4,5	**13,50**					500	4.000				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	**16,50**	10,90	16,00	1,50	11,10	250	1.500	10600	40600	62,5	0373108011
	3,0 - 5,5	**18,50**					200	1.200				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

Stainlees Steel/Inox 304



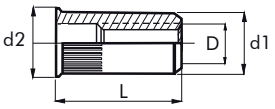


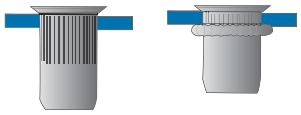
D	E mm MIN. MÁX.	L Nominal mm	d1 Ø mm	d2 Ø mm	mm	PACKAGING Inner	PACKAGING Outer	(N)	(N)	(Nm)	REFERENCE
M 4	0,5 - 2,0	**11,00**	5,90	7,00	6,10	500	4.000	4900	10000	2,2	0303204006
M 5	0,5 - 3,0	**12,00**	6,90	8,00	7,10	500	4.000	6000	15800	3,2	0303205007
M 6	0,5 - 3,0	**14,50**	8,90	10,00	9,10	500	3.000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

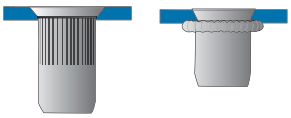
STAINLESS STEEL

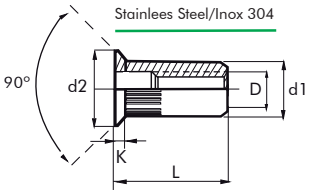
Stainlees Steel/Inox 304





D	E mm MIN. MÁX.	L Nominal mm	d1 Ø mm	d2 Ø mm	mm	PACKAGING Inner	PACKAGING 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	**12,00**	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



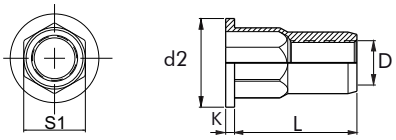


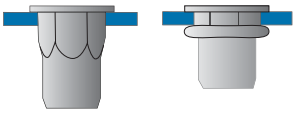
D	E mm MIN. MÁX.	L Nominal mm	d1 Ø mm	d2 Ø mm	K mm	mm	PACKAGING Inner	PACKAGING Outer	(N)	(N)	(Nm)	REFERENCE
M 4	1,5 - 3,0	**12,00**	5,90	9,00	1,50	6,10	500	4.000	4900	10000	4,1	0373304006
M 5	1,5 - 4,0	**13,00**	6,90	9,60	1,50	7,10	500	4.000	6000	12800	8,4	0373305007
M 6	1,5 - 4,0	**16,00**	8,90	12,00	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

Stainless Steel/inox 304



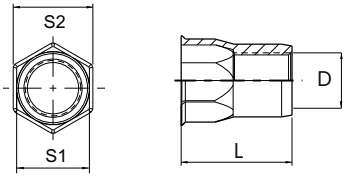


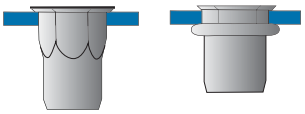
D	E mm MIN. - MÁX.	L Nominal mm	S1 Ø mm	d2 Ø mm	K mm	mm	PACKAGING Inner	PACKAGING Outer	(N)	(N)	(Nm)	REFERENCE
M 5	0,5 - 3,0	**12,00**	6,90	10,00	1,50	7,10	500	4.000	3300	13200	9,1	0333105007
M 6	0,5 - 3,0	**14,00**	8,90	12,00	1,50	9,10	250	2.000	7700	21600	19,7	0333106009
M 8	0,5 - 3,0	**16,00**	10,90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

HALF-HEXAGON INSERT NUT
Reduced head – open end

STAINLESS STEEL

Stainless Steel/Inox 304



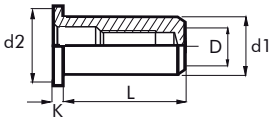


D	E mm MIN. - MÁX.	L Nominal mm	S1 Ø mm	S2 Ø mm	mm	PACKAGING Inner	PACKAGING Outer	(N)	(N)	(Nm)	REFERENCE
M 4	0,5 - 2,5	**11,00**	5,90	7,00	6,00	500	4.000	5600	10000	4,9	0333204006
M 5	0,5 - 3,0	**12,00**	6,90	8,00	7,00	500	4.000	7200	15800	8,8	0333205007
M 6	0,5 - 3,0	**14,00**	8,90	10,00	9,00	500	3.000	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

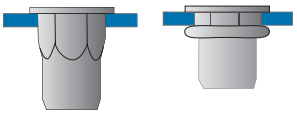
Stainless Steel/Inox 304



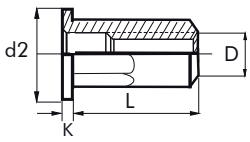
D	E mm MIN. MÁX.	L Nominal mm	d1 Ø mm	d2 Ø mm	K mm	mm	PACKAGING Inner	PACKAGING Outer	(N)	(N)	(Nm)	REFERENCE
M 4	0,5 - 2,5	**16,00**	5,90	9,00	1,00	6,10	500	4.000	4900	10000	2,2	0303404006
M 5	0,5 - 3,0	**18,00**	6,90	10,00	1,00	7,10	500	3.000	6000	15800	3,2	0303405007
M 6	0,5 - 3,0	**21,00**	8,90	12,00	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

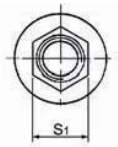
STAINLESS STEEL

HALF-HEXAGON INSERT NUT
Large head - closed end



Stainless Steel/Inox 304



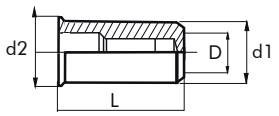


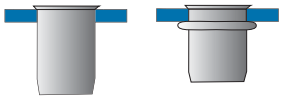
D	E mm MIN. MÁX.	L Nominal mm	S1 Ø mm	d2 Ø mm	K mm	mm	PACKAGING Inner	PACKAGING Outer	(N)	(N)	(Nm)	REFERENCE
M 5	0,5 - 2,0	**18,00**	6,90	10,00	1,00	7,10	500	3.000	7200	12000	8,8	0333405007
M 6	0,5 - 3,0	**21,00**	8,90	12,00	1,50	9,10	250	1.500	9000	21600	19,7	0333406009
M 8	0,5 - 3,0	**23,50**	10,90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



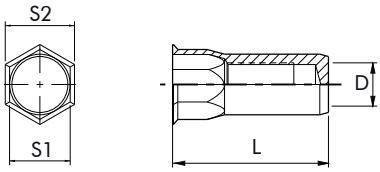


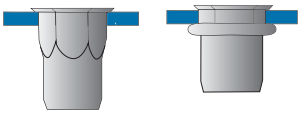
D	E mm	L Nominal mm	d1 Ø mm	d2 Ø mm	mm	PACKAGING Inner	PACKAGING Outer	(N)	(N)	(Nm)	REFERENCE
M 4	0,5 - 3,0	**16,00**	5,90	7,00	6,10	500	4.000	4900	10000	2,2	0303704006
M 5	0,5 - 3,0	**18,00**	6,90	8,00	7,10	500	3.000	6000	21600	3,2	0303705007
M 6	0,5 - 3,0	**21,00**	8,90	10,00	9,10	250	1.500	9000	24300	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

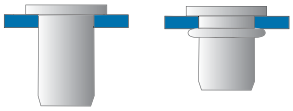




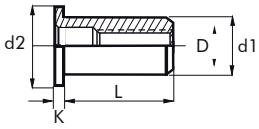
D	E mm	L Nominal mm	S1 Ø mm	S2 Ø mm	mm	PACKAGING Inner	PACKAGING Outer	(N)	(N)	(Nm)	REFERENCE
M 4	0,5 - 2,5	**16,00**	5,90	7,00	6,10	500	4.000	5600	10000	4,9	0333704006
M 5	0,5 - 3,0	**18,00**	6,90	8,00	7,10	500	4.000	7200	12000	8,8	0333705007
M 6	0,5 - 3,0	**21,00**	8,90	10,00	9,10	250	1.500	9000	21600	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



Aluminium

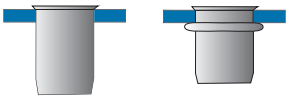


D	E mm MIN. - MÁX.	L Nominal mm	d1 Ø mm	d2 Ø mm	K mm	mm	PACKAGING Inner	PACKAGING Outer	(N)	(N)	(Nm)	REFERENCE
M 4	0,5 - 2,0	**9,50**	5,90	9,00	1,00	6,10	500	4.000	3400	4300	2,0	0302104006
M 5	0,5 - 3,0	**12,00**	6,90	10,00	1,00	7,10	500	4.000	4400	8300	5,5	0302105007
	3,0 - 5,5	**15,00**					500	4.000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

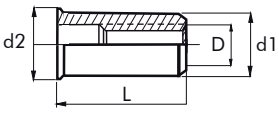
Note: We manufacture insert nut aluminium with closed end under request. For detailed information on minimum quantities and delivery please contact your local BRALO representative.

ALUMINIUM

CYLINDRICAL INSERT NUT
Reduced head - open end



Aluminium

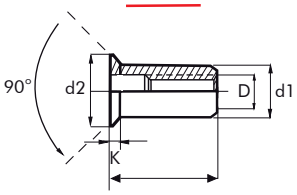


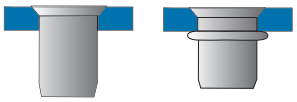
D	E mm	L Nominal mm	d1 Ø mm	d2 Ø mm	mm	PACKAGING Inner	PACKAGING Outer	(N)	(N)	(Nm)	REFERENCE
M 5	0,5 - 3,0	**109,30**	6,90	8,00	7,10	500	4.000	4400	8300	5,5	0302205007
M 6	0,5 - 3,0	**132,66**	8,90	10,00	9,10	500	3.000	5000	10500	9,0	0302206009
M 8	0,5 - 3,0	**264,53**	10,90	12,00	11,10	250	1.500	6000	15400	16,9	0302208011

CYLINDRICAL INSERT NUT
Countersunk head - open end

ALUMINIUM

Aluminium



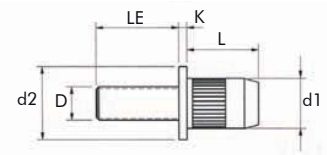


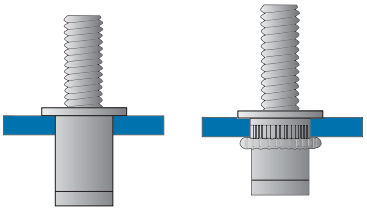
D	E mm MIN. MÁX.	L Nominal mm	d1 Ø mm	d2 Ø mm	K mm	mm	PACKAGING Inner	PACKAGING Outer	(N)	(N)	(Nm)	REFERENCE
M 4	1,5 - 3,5	**11,50**	5,90	8,50	1,50	6,10	500	4.000	3400	4300	2,0	0302304006
M 5	1,5 - 4,0	**13,00**	6,90	9,50	1,50	7,10	500	4.000	4400	8300	5,5	0302305007
M 6	1,5 - 4,0	**16,00**	8,90	11,50	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

Steel Zincplated A3K





D	E mm MIN. MÁX.	L Nominal mm	d1 Ø mm	d2 Ø mm	K mm	LE mm	mm	PACKAGING Inner	PACKAGING Outer	REFERENCE
M 5	0,5 - 3,0	**11,00**	6,95	10,00	1,00	15,00	7,10	500	3.000	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

FEATURES

At your disposal Bralo have a wide range of hand and pneumatic high performance riveting tools for blind and structural rivets. The most intensive search for quality and our constant improvement policy make Bralo Riveting Tools distinguished for:

- Lightness and ergonomics.
- Available in a wide selection.
- Safety and adaptability.
- Fast and easy to operate.
- Providing the highest professional quality.
- Capacity to be incorporated onto assembly lines.
- An easy maintenance.
- A wide range of added value services (technical services, availability of spare parts, etc.)

Bralo's technical department will always be at your service for any additional information about our riveting tools for rivets. Our team of engineers will be able to help you select the best tool for every application.

Manual Riveting tools for BLIND RIVETS

BRALO MANUAL RIVETING TOOLS

Which manual tool to choose?

RIVET ∅ m/m	MATERIAL	BM-45	BM-75	BM-85	BM-67	BM-92	BM-160	BM-164
2,4	Alu, inox	✔	✔	✔				
3,0	Alu, steel, inox, copper	✔	✔	✔	✔	✔	✔	
3,2	Alu, steel, inox, copper	✔	✔	✔	✔	✔	✔	
4,0	Alu, steel, inox, copper	✔	✔	✔	✔	✔	✔	
4,8	Aluminium	✔	✔	✔	✔	✔	✔	✔
4,8	Steel, inox, copper	✔	✔	✔	✔	*	✔	✔
4,8	Structural						*	
5,0	Aluminium				✔	✔	✔	✔
5,0	Steel, inox				*	*	✔	✔
6,0	Alu				*	*	✔	✔
6,0	Steel, inox							✔
6,4	Alu				*			✔
6,4	Steel, inox							✔
6,5	Structural							*
5,2 - 6,4	S-Trebol						*	*
7,7	S-Trebol							*

*It needs optional accessories.

FEATURES Manual Riveting tools for blind rivets

SLIM DESIGN for access to difficult riveting places

Main body cast in **ALUMINIUM FOUNDRY**

INTERMEDIATE LEVER SYSTEM reduces power requirement and effects shock-absorption

Light tempered **STEEL LEVER**

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

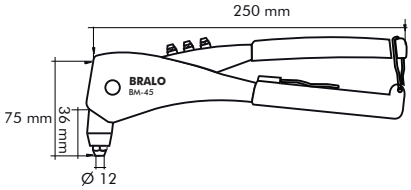
ERGONOMIC HANDLES for minimum operating effort

For use both **IN AND OUTDOORS**

BM-45

TECHNICAL DATA

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



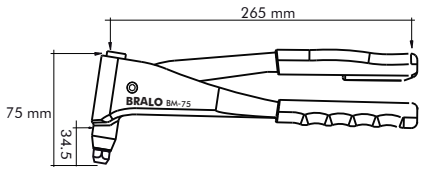
ARTICLE	REFERENCE
BM 45 BLISTER	92BM00450
BM 45 "Tool kit" PLASTIC BOX	02BM00453 BM-45 + rivets assortment

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

BM-75

TECHNICAL DATA

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



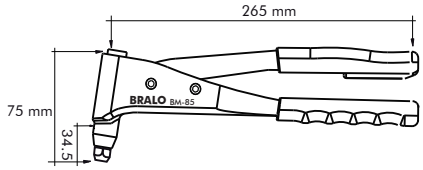
ARTICLE	REFERENCE
BM 75	02BM00750
BM 75 BLISTER	92BM00750
BM 75 PLASTIC BOX	02BM0075PB BM-75 + rivets assortment
BM 75 METAL BOX	02BM00752 BM-75 + rivets assortment

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

BM-85

TECHNICAL DATA

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



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

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

BM-67

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	*	*	*	

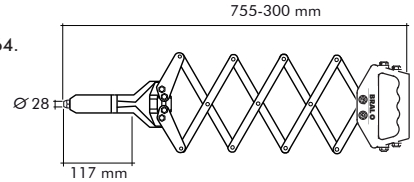
*For prolonged usage, we recommend you use the BM-164.

DETAILS

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

TECHNICAL DATA

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



BM-92

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	*			

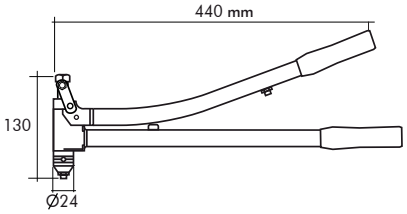
*It requires a nosepiece that is supplied as an accessory.

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.



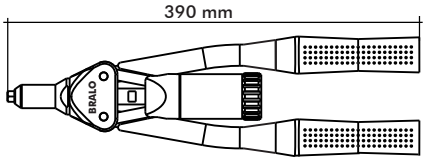
BM-160

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: 10,5 mm.
CAPACITY: Up to 6 mm aluminium and 6,4 S- Trebol.



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 requires a special nosepiece that is supplied as an accessory
**It requires a special nosepiece and jaws that are supplied as accessories.

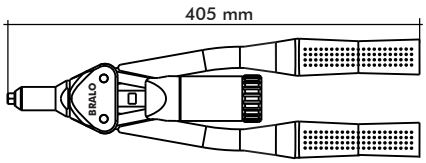
BM-164

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: 10,5 mm.
CAPACITY: Up to 6,5 structural and 7,7 S-trebol



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 requieres a special nosepiece that is supplied as an accessory.
**It requires a special nosepiece and jaws that are supplied as accessories.

Pneumatic Riveting Tool for SPEED RIVETS

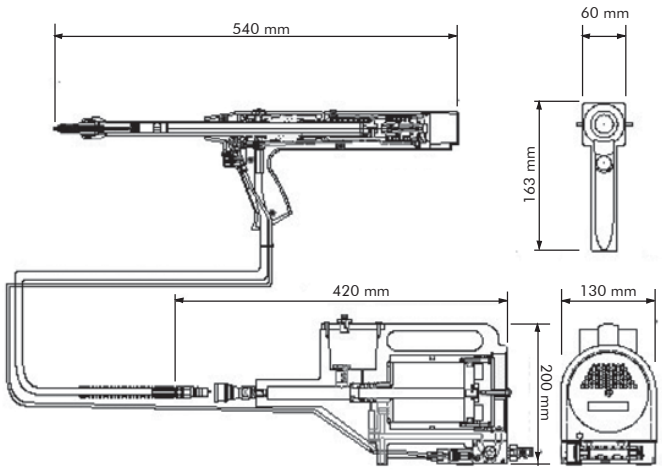
The Bralo RR-10 is an oleopneumatic tool that fastens BSR, BSV speed rivets. It is a lightweight, ergonomic tool, with an efficient setting system, designed to meet the needs of the most demanding of applications. It is ideally used in assembly lines and capable of setting all types of speed rivets from 3.2 to 4.8 mm.

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: 540 mm.
WORKING PRESSURE: 5.5 - 6.5 bar.
AIR CONSUMPTION: 0,8 l/rivet.
STROKE: 21 mm.
CAPACITY: up to 4,8-5,0 mm.



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

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

Pneumatic Riveting Tools for BLIND RIVETS

BRALO PNEUMATIC RIVETING TOOLS

Which pneumatic tool to choose?

RIVET ∅ m/m	MATERIAL	BM-516	BM-525	BM-718	BM-917	BM-928
2,4	Aluminium, Inox	✓	✓	*		
3,0 - 3,2	Alu, steel, copper	✓	✓	✓		
3,0 - 3,2	Inox	✓	✓	✓		
4,0	Alu, steel, inox, copper	✓	✓	✓		
4,8	Aluminium	✓	✓	✓	*	**
4,8	Steel, Inox, copper	✓		✓	✓	**
5,0	Aluminium		✓	✓	*	**
5,0	Steel, Inox			✓	✓	**
6,0	Aluminium			✓	✓	**
6,0	Steel, Inox				✓	**
6,4	Alu, steel, inox				✓	**
3,2 Hardgrip	Inox	✓	✓	✓		
3,2 - 4,0 Hardgrip	Steel			✓		
4,8 Hardgrip	Steel			✓	✓	**
6,0 Hardgrip	Steel, inox				✓	**
6,4 Hardlock	Alu, steel, inox				***	*
4,8 Structural	Alu, steel, inox			*	*	**
6,5 Structural	Aluminium				**	✓
5,2 S-Trebol	Aluminium		*	*	*	**
6,4 S-Trebol	Aluminium			*	*	**
7,7 S-Trebol	Aluminium				**	*

* It needs special nosepiece.
** It needs special nosepieces and jaws.
*** It needs special jaws.

FEATURES Pneumatic Riveting Tools for blind rivets

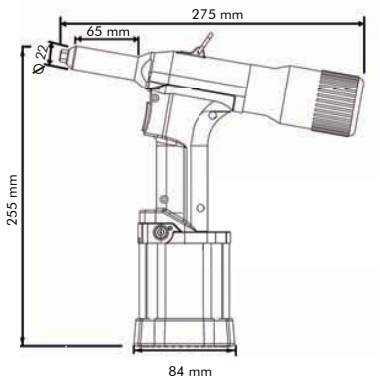
BM-516

TECHNICAL DATA

WEIGHT: 1.690 grs.
STROKE: 16 mm.
CAPACITY: Up to 5,0 mm.

Ref: 02BM05160

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



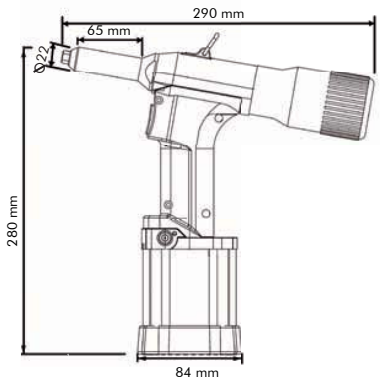
BM-525

TECHNICAL DATA

WEIGHT: 1.760 grs.
STROKE: 25 mm.
CAPACITY: up to 4,8-5,0 mm.
With a special nosepiece 5,2 mm S-Trebol.

Ref: 02BM05250

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



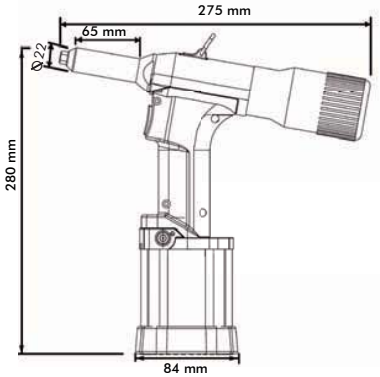
BM-718

TECHNICAL DATA

WEIGHT: 1.770 grs.
STROKE: 18 mm.
CAPACITY: Up to 6,0 aluminium and 4,8 mm Hardgrip.
With special nosepiece 5,2 - 6,4 S-Trebol and 4,8 Structural.

Ref: 02BM07180

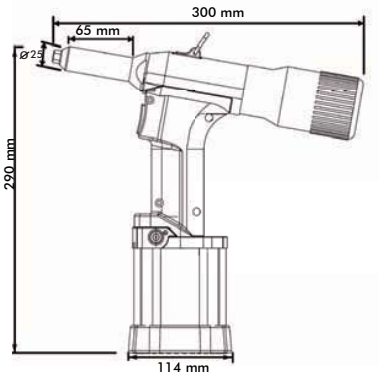
RIVET ⌀ m/m	MATERIALS			
	Aluminium	Steel	Inox	Copper
3,0 - 3,2	✓	✓	✓	✓
3,2 - 4,0 Hardgrip		✓	✓	
4,0	✓	✓	✓	✓
4,8	✓	✓	✓	✓
5,0	✓	✓	✓	
4,8 Hardgrip		✓	✓	
6,0	✓			



BM-917

TECHNICAL DATA

WEIGHT: 2.420 grs.
STROKE: 17 mm.
CAPACITY: **From 4,8 - 6,4 mm and 6,0 Hardgrip.**
With special jaws 6,4 Hardlock
With special nosepiece 5,2 and 6,4 S-trebol
And with special nosepieces and jaws 7,7 mm S-Trebol and 6,5 mm Structural.



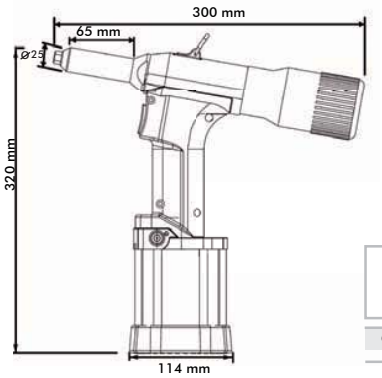
Ref: 02BM09170

RIVET ∅ m/m	MATERIALS			
	Aluminium	Steel	Inox	Copper
4,8	✓	✓	✓	✓
5,0	✓	✓	✓	
6,0 - 6,4	✓	✓	✓	
4,8 Hardgrip		✓	✓	
6,0 Hardgrip		✓	✓	

BM-928

TECHNICAL DATA

WEIGHT: 2.570 grs.
STROKE: 28 mm.
CAPACITY: **6,5 mm Structural**
With a special nosepiece 7,7 S-Trébol.
And with optional nosepieces and jaws set from 4,8 up to 6,4 mm.



Ref: 02BM09280

RIVET ∅ m/m	MATERIALS			
	Aluminium	Steel	Inox	Copper
6,5 Structural	✓	✓	✓	

Battery Riveting Tools for BLIND RIVETS

Battery 1,4 Ah Li-Ion 14,4 V.
REFERENCE: 05BET100018

Battery 2,8 Ah Li-ion 14,4 V.
REFERENCE: 05BET100019

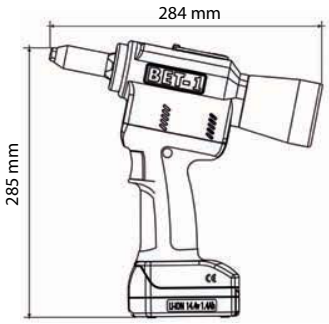
Battery charger 14,4 V.
REFERENCE: 05BET000020

FEATURES Battery Riveting Tools for blind rivets

BET-1

TECHNICAL DATA

WEIGHT: 1.690 grs.
LENGTH: 284 mm.
STROKE: 20 mm.
CAPACITY: Up to 5,0 mm
TRACTION POWER: 10.000 N.
WEIGHT BATTERY 1,4 Ah.: 0,34 kg.
POWERBATTERY: 14.4 V.



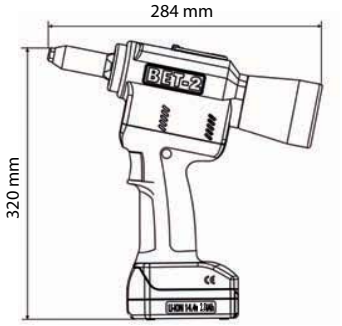
RIVET ⌀ m/m	MATERIALS			
	Aluminium	Steel	Inox	Copper
2,4	✓	✓	✓	✓
3,0 - 3,2	✓	✓	✓	✓
4,0	✓	✓	✓	✓
4,8 - 5,0	✓	✓	✓	✓

ARTICLE	REFERENCE
BET-1 1 battery 1,4Ah.	02BET1010
BET-1 2 batteries 1,4Ah.	02BET1020
BET-1 UK 1 battery 1,4Ah.	02BET1030
BET-1 UK 2 batteries 1,4Ah.	02BET1040
BET-1 MX 1 battery 1,4Ah.	02BET1050
BET-1 MX 2 batteries 1,4Ah.	02BET1060

BET-2

TECHNICAL DATA

WEIGHT: 1.690 gr.
LENGTH: 284 mm.
STROKE: 27 mm.
CAPACITY: up to 6,4 mm.
TRACTION POWER: 18.000 N.
WEIGHT BATTERY 2,8 Ah.: 0,58 kg.
POWERBATTERY: 14.4V



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

*It requires an optional nosepiece.

**It requires an optional nosepiece and special parts that are supplied as accessories.

ARTICLE	REFERENCE
BET-2 1 battery 2,8Ah.	02BET2010
BET-2 UK 1 battery 2,8Ah.	02BET2030
BET-2 MX 1 battery 2,8Ah.	02BET2050

Manual Riveting Tools for INSERT NUTS

T-105

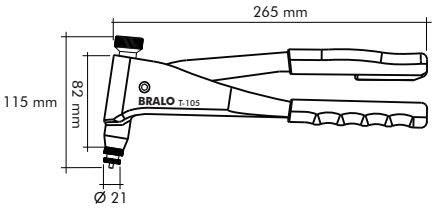
MANUAL RIVETING TOOLS for insert nuts

DETAILS

- For use both in and outdoors.
- Slim design for access to difficult riveting places.
- Main body made in 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: 7,0 mm.
CAPACITY: M-3 to M-6



ARTICLE	REFERENCE
T 105	02TR01050
T 105 PLASTIC BOX	02TR0105PB T-105+Assortment M4, M5 and M6 Steel Insert Nuts.
T 105 METAL BOX	02TR01052 T-105+Assortment M4, M5 and M6 Steel Insert Nuts.

INSERT NUT Ø	MATERIALS			
	Aluminium	Steel	Inox	Brass
M-3	✓	✓	✓	✓
M-4	✓	✓	✓	✓
M-5	✓	✓	✓	✓
M-6	✓	✓		

TR-308

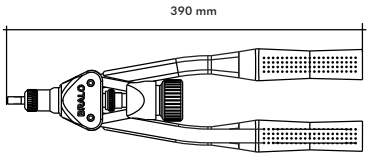
DETAILS

- Main body is made in a high density aluminium casting.
- The multiplier effect guarantees that just a minimun 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.

ARTICLE	REFERENCE
TR 308 PLASTIC BOX	02TR03080

TECHNICAL DATA

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



INSERT NUT ∅ m/m	MATERIALS			
	Aluminium	Steel	Inox	Brass
M-3	✓	✓	✓	✓
M-4	✓	✓	✓	✓
M-5	✓	✓	✓	✓
M-6	✓	✓	✓	✓
M-8	✓	✓	✓	✓

Note: This tool can set steel stud nuts M-5, M-6 and M-8. It requires special nosepieces and mandrels (female) that are supplied as accessories.

TR-312

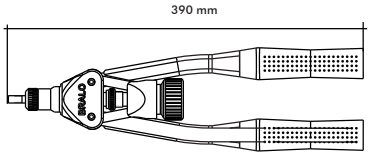
DETAILS

- The multiplier effect guarantees that just a minimun 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.

ARTICLE	REFERENCE
TR 312 PLASTIC BOX	02TR03120

TECHNICAL DATA

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



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

Pneumatic Riveting Tool for INSERT NUTS

A riveting tool provided with an air intake system capable of setting insert nuts at a high speed. The TR-2001 is a powerful, ergonomic tool, with an efficient setting system, designed to meet the needs of the most demanding applications. It is ideal for use in assembly lines.

Provided with a **HANGING RING**

HIGH SENSITIVITY in the trigger

Main body manufactured in a **HIGH DENSITY ALUMINIUM CASTING**

BALANCED centre of gravity

COMFORTABLE AND ERGONOMIC handle

OLEOPNEUMATIC CYLINDERS are made of high quality steel

Higher resistant **RUBBER BASE**

TR-2001

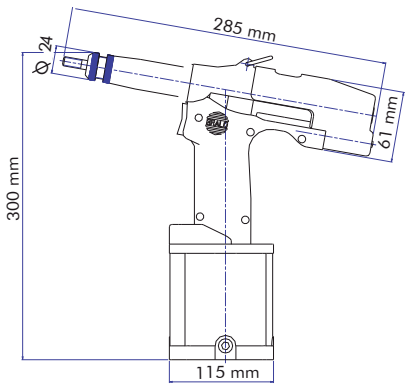
PNEUMATIC RIVETING TOOL For Insert Nuts

TECHNICAL DATA

WEIGHT: 2.790 grs.
LENGTH: 285 mm.
HEIGHT: 300 mm.
WIDE: 115 mm.
STROKE: 21 mm.
CAPACITY: Up to M-12

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

ARTICLE	REFERENCE
TR 2001	02TR20010



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