

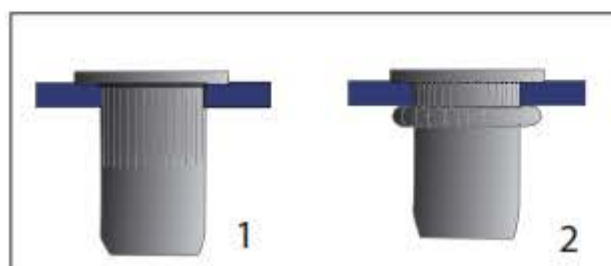
BRALO threaded Inserts provide a fast, reliable and simple fastening system with high quality and resistance.

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.

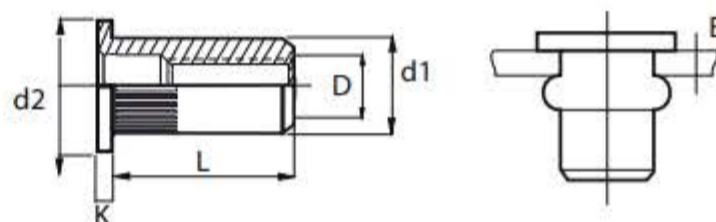


1. Insert the nut onto the tool and then into the hole. Push the trigger and the tool will set the main body, completely filling the hole through a radial expansion.

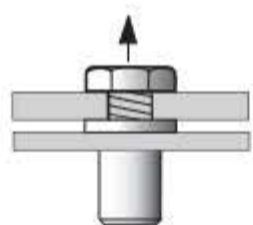
2. The insert nut reduces after being set. Finally, unscrew the nut from the tool.

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

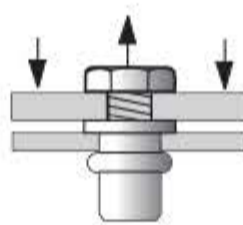


STRENGTH



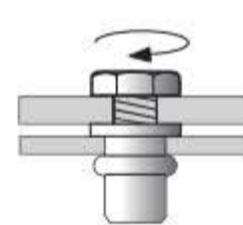
Setting effort (N)

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.

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:

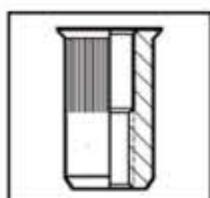
There are five types of BRALO Insert Nuts: cylindrical, grooved, hexagon, half-hexagon and grooved stud nut. Also, an option of open or closed end must be chosen. They also have diverse characteristics such as torque setting, strengths and materials.

RANGE TO ASSEMBLE:

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

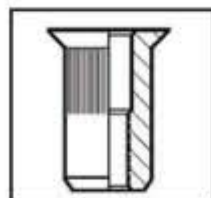
CORROSION RESISTANCE:

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.



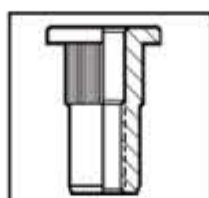
REDUCED HEAD

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



COUNTERSUNK HEAD

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



LARGE HEAD

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



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.

