

GESIPA®

THREADED FASTENERS



GESIPA®

The experts in riveting technologies



GESIPA® Blind Rivet Nuts

OEM applications are characteristically different and challenging

Often, design modifications are required to a blind rivet nut or a rivet nut stud in order to fulfil the requirements of the application and the customer. GESIPA® has been manufacturing blind rivet nuts in all possible variants for many years. With vast customer experience within various industries, GESIPA® has been able to provide excellent solutions to multiple customer applications.



Closed Ended

Closed Ended

Weather tight fastener



Head Types

Head Types

Small and Countersunk

For flush head applications



Hexagonal

Hexagonal

Full Hexagonal Body/ Half Hexagonal Body

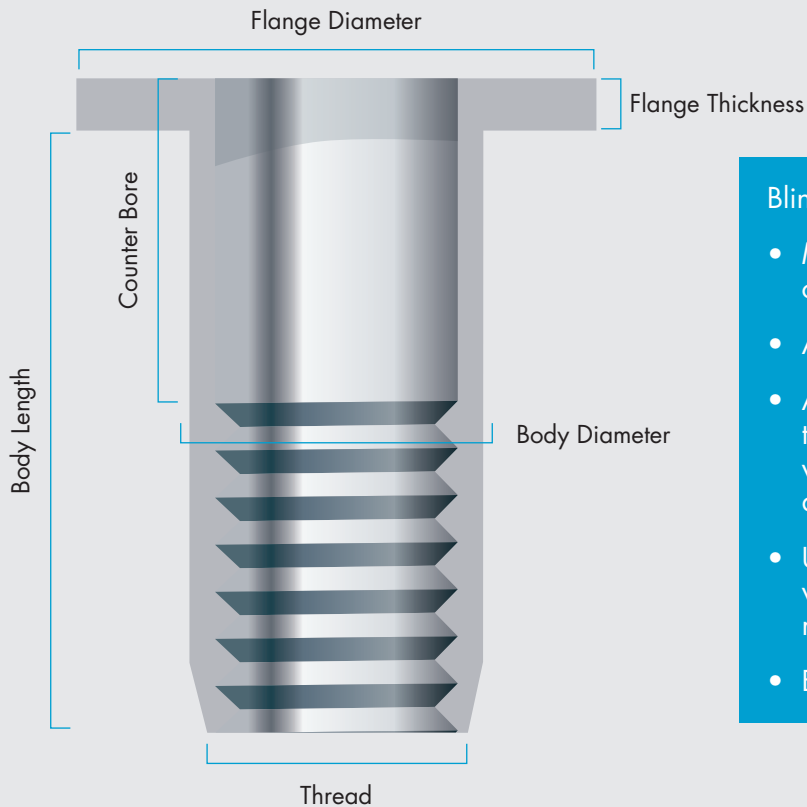
High Torque to Turn



Large Flange

Large Flange

Large load bearing surface and large hole diameter



Blind rivet nuts are:

- Multi-functional fasteners that can be used as a captive nut offering threads into thin sheet metal
- A rivet to clamp two or more application parts
- An easy and flexible way of placing female threads into a variety of material applications with no or minimum access to the blind side of the application
- Used to join dissimilar and sensitive materials without causing any damage to the parent material
- Easily installed in pre or post finished applications



Plating & Seals

Special Platings – Higher corrosion resistance properties

Seals – Rimlex® – water / air tight joint around the blind rivet nut head

(Variety of platings offered depending on corrosion resistance requirements)



Specials

Specials

Profile Head – Spacer and pivot applications

Square, Hexagonal Body – High Torque

Thick Flange – spacer

Small Head- Flush head applications

Bespoke products possible as per customer requirements



Splines & Wedges

Splines & Wedges

Overhead and under head

Improved torque-to-turn resistance specifically in softer materials.

Splines and wedges on top of blind rivet nut head stops the mating part from turning/spinning when set.

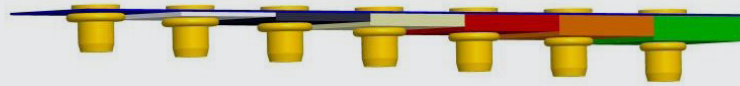
To ensure that every rivet nut stud manufactured by GESIPA® is of the highest quality, our rivet nut stud assembly machines has an intensive inspection system and checks a variety of parameters on the rivet nut stud to ensure that it meets all requirements.



Manual, automated and failsafe riveting processes by GESIPA®

GESIPA® always aims to understand and satisfy its customer requirements - both technically as well as commercially and provide them with substantial cost and time saving solutions. Along with bespoke blind fastening solutions, GESIPA® also provides manual, automated and failsafe riveting processes via its tooling range.

The FireFox® Series - FireFox® 1 F, FireFox® 2 and FireFox® 2 F



Constant Setting Force Controlled

Setting force adjustment once set, helps sets blind rivet nuts of varying lengths to be fitted in different material thickness



FireFox® 1 F

The hydro pneumatic blind rivet nut setting tool with pure setting force adjustment sets M3 - M6 rivet nuts and rivet nut studs



FireFox® 2

The hydro pneumatic blind rivet nut setting tool with both Stroke and setting force controlled



FireFox® 2 F

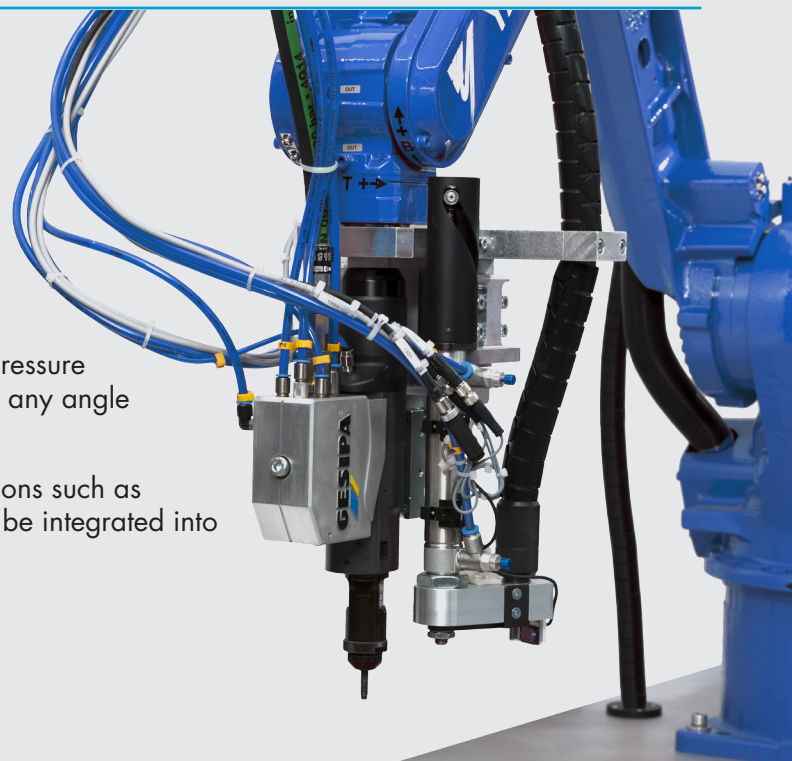
The hydro pneumatic blind rivet nut setting tool with pure setting force adjustment

The FireRex®

The new FireRex®, automatic blind rivet nut setting tool, is a further development to the tried and tested GESIPA® FireFox® 2.

The FireRex® allows greater flexibility due to the external pressure transmitter enabling the setting of blind rivet nuts at almost any angle into confined work areas.

The FireRex® is ideally suited for installations into applications such as assembly cells, semi-automatic workstations and can even be integrated into robotic applications.



FireFox® C WinTech

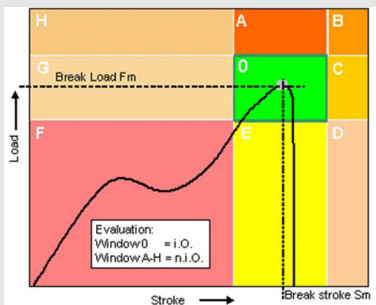
In order to help operators monitor the blind rivet nut setting process on production lines, GESIPA® developed the FireFox® C WinTech, a version of the FireFox® series, a pneumatic hydraulic blind rivet nut and rivet nut stud setting tool.



By using new three-window measuring technology, the user can define three evaluation windows by means of special software.

This is used alongside the FireFox® C WinTech's integrated electronics which consists of stroke and force sensors. The setting process can not only be monitored by means of a coloured LED on the tool but also recorded and processed via the data line, which allows the user to analyse the data whenever required.

This gives the operator the confidence to not having to visually check every blind rivet nut or rivet nut stud.



Applications

Due to its capabilities of checking and documenting of the setting process, FireFox® C WinTech can be highly beneficial in setting blind rivet nuts and studs in the serial production of safety critical components as well as in automated setting processes

Advantages

Using FireFox® C WinTech as a setting tool gives users

1. High process safety
2. Documentation of each individual setting process
3. Less scrap as errors can be immediately identified
4. An option to implement into the customers own PLC system using alongside the GESIPA® interface
5. Less requirement of training procedures and also takes the onus away from the operator

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