

# GESIPA® is continuously strengthening its capabilities as GESIPA® GROUP CENTRE OF EXCELLENCE for fastening technologies

GESIPA® has invested in its UK manufacturing facility over the years in order to achieve a strategy to centralise its production of threaded inserts and carry-out a gradual transition of the product range from catalogue parts to specialised products.

**G**rowth of the GESIPA® has been very evident in terms of bespoke blind rivets nuts and rivet nut studs manufacturing. Today, around 430 special types of blind rivets nuts and 30 different varieties of rivet nut studs are manufactured at GESIPA®; this is to be further enhanced with the capabilities of new blind rivet nut machines which are now lined up in corporate blue and yellow colours and producing blind rivet nuts and rivet nut studs from thread sizes M4 up to M12.

Manufacturing with variations such as hexagonal body – giving higher torque to turn, square body – to form a secure lock, profile body – giving a pivot point, wedge head – to provide higher torque to turn in softer materials and, large flange – providing larger load bearing surfaces, there is always a possible variant available to fit specific customer application requirements. A similar bespoke blind rivet nut manufactured for one of their customers was a recent success for GESIPA®.

To stop the mating part from turning when set in body-in white component, a blind rivet nut with splined wedges on top of the rivet nut head was designed and manufactured by the team. Not only this but to prevent these splined wedges getting damaged when setting into the application, a special nosepiece was also designed by GESIPA® to be used with the rivet nut setting tool.

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Furthermore with its latest multi-window process control technology, WinTech, GESIPA® is now able to guarantee that the right rivet nuts and nut studs are placed in the right place and in the right quantity in safety critical applications.

The setting process is evaluated with the aid of position and force sensors as well as integrated electronic circuitry. Up to three evaluation windows can be configured with special setup software. A coloured LED on the tool shows the result of setting process monitoring. With a data line, the values can also be recorded and further processed. If an irregularity is detected, the process is immediately stopped. It is only after the customer has acknowledged the malfunction that the process can continue – making human error more or less impossible.

GESIPA® produces approximately over 300 million threaded fasteners per year and is well equipped to serve different industries supporting various applications across the globe.

