

Clinch systems

Strux® and Rivtex®

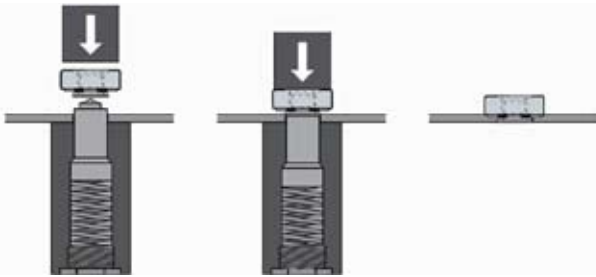


Fastening solutions for thin sheet applications

As the demand for thin sheet steel and aluminum applications increases, so do solutions for fastening them. The Strux® line of clinch nuts and studs are designed to provide an external or internal thread in sheet metal stack-ups 1.5mm and thicker.

The Rivtex® line of clinch and pierce-clinch fasteners meet the needs of sheet metals as thin as 0.75mm.

STRUX® nuts



Application material must be drilled or punched.
Two-sided access is required.

Rivtex® nuts



No punched or drilled hole required. (Can be used with existing hole).
Two-sided access is required.

STRUX® and Rivtex® Studs



Application material must be drilled or punched. Two-sided access is required.

Features

- Unlike spot welding, joints can be created in-die with clinch fasteners and automated equipment
- Can be used where welding is impossible or undesirable, such as joining dissimilar materials, pre-coated sheets, and high strength thin sheet metals
- Unlike welding, clinch fasteners do not create a heat zone in the materials during installation
- Can be installed after the painting or coating process, with virtually no aesthetic damage to the application
- Allows simple visual inspection to determine proper fastener seating
- Placing equipment ranging from manual working station to multiple, high rate setting machines

Benefits

- Lowers in-place costs, maximizes assembly flexibility
- Corrosion resistance is maintained
- Changes and damage to the application materials are minimized
- Can eliminate welding operations and its environmental and safety hazards
- Avoids cross-threading and other problems caused by coated or painted threads
- Joints do not require destructive testing to determine installed strength
- Use of threaded fasteners ease servicing while providing high joint strength



Range

Strux® Fasteners

- STRUX® clinch studs (external threads)
- STRUX® clinch nuts (internal threads)
- unthreaded Struxtite™ nuts for use with TAPTITE® thread-rolling fasteners are available as specials
- Available in sizes M4 – M12
- Optimum performance in sheet metals over 1.5mm thick
- Optional Prevalok® prevailing torque feature

Rivtex® Fasteners

- Rivtex® clinch studs (external threads)
- Rivtex® pierce-clinch nuts (internal threads)
- Available in sizes M5– M10
- For thinner sheet metals, including high strength thin steel sheets and aluminum sheets
- clinch products: 0.75mm to 2.0mm
- pierce-clinch nuts: 0.75mm to 2.0mm (steel); 0.75mm to 3.0mm (aluminum)



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