

FASTENING SYSTEMS ENGINEERED FOR PERFORMANCE™

Benefits of In-Die Fastener Installation vs. Welded Fastener Methods



The challenge:

A manufacturer of automotive safety systems was experiencing a high fallout rate at the attachment point of the seat belt retractor assembly.

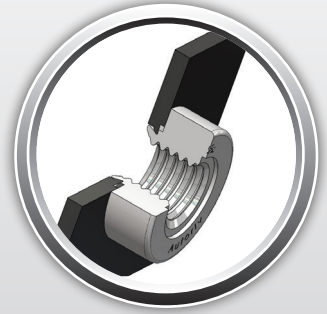
- The failure was determined to be a result of the secondary welding process that was required to attach the nut to the sheet metal component.
- This process caused a very high percentage of thread damage and distortion of the welded nut.



The solution:

Sherex introduced the manufacturer to an MDS automation in-die fastener installation system.

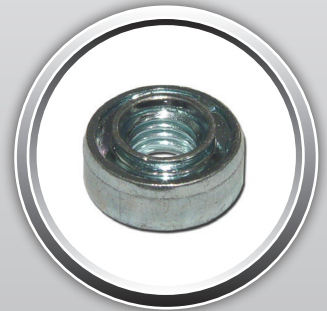
- By utilizing the MDS automation installation system and incorporating a clinch nut design into the seat rail, the manufacturer was able to produce the sheet metal stamping and place the fastener in the same operation.
- This improvement eliminated the welding process that caused the thread damage.
- The new clinch nut automated process simplified the component manufacturing process by reducing the number of required steps and reduced on-site inventory.



The savings:

Annual part assemblies: 450,000

**Cost savings: \$0.37 per part =
\$166,500 annual savings!**



Sherex is a global manufacturer with a unique market approach in engineered fastening solutions that combines fasteners, tooling, and automation to deliver the best solution at the **lowest total installed cost**.

