NITTOSEIKO

Cross-section of bolt head **Image from the side

This recess is crucial!

An outer-rimmed anti-rotation lobe.

J@ISTUD.s

Strong support for manufacturing that requires high precision and high quality.

To be New standard of clinching fasteners for sheet metal assembly

- ✓ Outer-rimmed lobe which reduces burr solves contamination issues.
- Improves quality of assembly with Sheet Metal, Aluminum and Copper, by reducing warpage and enhancing anti-rotation force.
- It effects on costs and weight saving by thinning fastened material which reduces product's volume.



Automotive industry

Vehicle Electrification

Battery frame

Battery module

Weight reduction

- Vehicle body
- ✓ Seat frame

Home appliances and energy industry

- Solar panel
- ✓ Storage battery
- Wind power generator
- ✓ Power generator

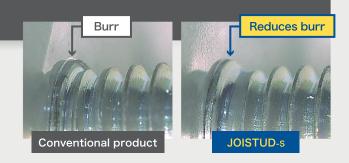


REPORT 01 Reduction of burr

The outer-rimmed anti-rotation protrusion prevents burring by keeping the material flow around the male thread shank in the recess of the protrusion.



It is a solution for contamination issue which is top priority for vehicle electrification!

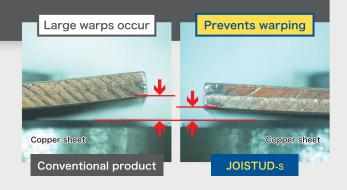


REPORT 02 Warp reduction

Out-rimmed anti-rotation protrusion reduces product's warpage by its function to reduce material flow and stress during press-fitting.



Highly effective for Sheet Metal, **Aluminum and Copper application** which prone to warping!



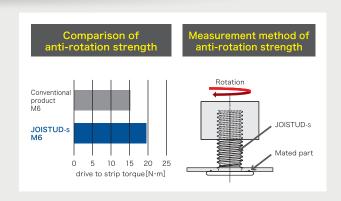
Improved anti-rotation strength REPORT 03

The out-rimmed protrusion increases the area of contact between stud and clinched part. It improves the anti-rotation strength (drive to strip torque).

+27.7%UP to conventional fastener



Applicable to "Sheet metal", "Aluminum", and "Copper" where anti-rotation strength is a concern!



NITTOSEIKO CO.,LTD.

Fastener Division Global Sales Section



[Website]



[Inquiry Form]







Website: https://www.nittoseiko.co.jp/en.html

