



# HARDLOCK Nut (HLN)

HARDLOCK NUT

- Safety is Power! The Worlds Strongest Self-locking Nut!
- From Industrial Machinery, Mining Equipment to Bridges and Railways, 100% corresponding to the needs of a variety of fields.

## The Globally Recognized HARDLOCK Nut

Utilizing the wedge principle used in ancient Japanese architecture, the HLN is the ultimate self-locking nut which perfectly succeeds to integrate the nuts with the bolt.



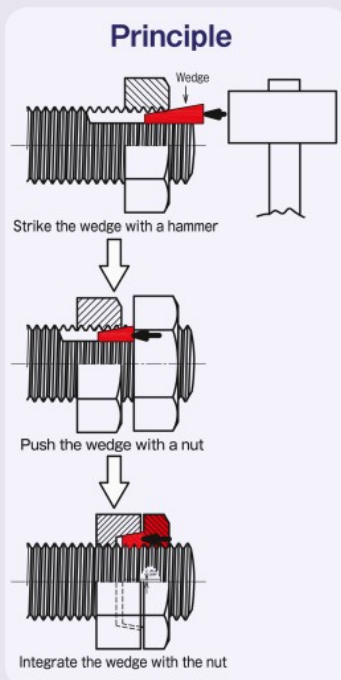
### [MAIN FEATURES]

- **Self-locking Effect Recognized by the World!**  
HARDLOCK Nut also passed the United States NAS (National Aerospace Standard) Aviation Standards.
- **Enables Torque and Clamp Load Control!**  
Controlling Clamp Load with proper torque wherever it is used.
- **Reusable!**  
All metal with little abrasion, sustains a high self-locking effect.
- **Excellent and Simple Workability!**  
Easy installation with commercially available tools.
- **Provides Substantial Cost Savings!**  
Allows significant reduction in total cost by reducing maintenance costs, labor costs etc.

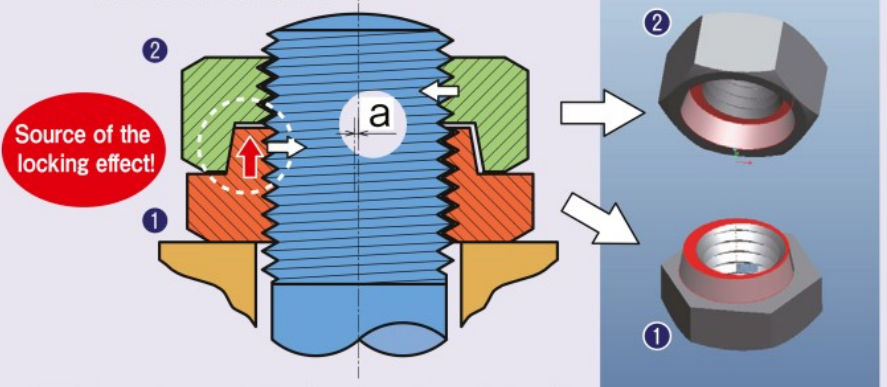
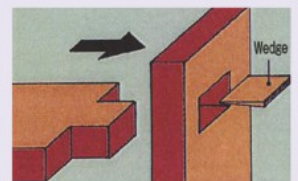


## Self-locking Design

The design is based on the traditional Japanese "Wedge" principle!



- 1** HARDLOCK NUT consists of two nuts, the (1) nut "Convex Nut" (fixing nut) has a truncated protrusion arranged off-center on the upper part, the (2) nut "Concave Nut" (locking nut) is designed with a concentric conical depression for locking the two nuts together. By tightening the concave nut onto the convex nut, a strong perpendicular load will be applied to the bolt from both sides.



- 2** Due to the strong locking force created by the Wedge of the HARDLOCK NUT, no matter if it is exposed to severe vibrations and/or impacts the HARDLOCK NUT will stay intact.