

# Fuji U-Nut

## Fine U-Nut: All Metal Locking Nut

### Features

- Reusable locknuts with friction ring
- If the axial force is lost Nut is maintained
- Excellent high/low temperature resistance.
- Easy installation

#### ■ Size

M3 ~ M115, W3/16-24 ~ W2"-4.5,  
UNC#10-24 ~ UNC1"1/2-6,  
UNF#10-32 ~ UNF1"1/2-12

#### ■ Shape

HEX, Thin, Small, Flange, Cap, Weld

#### ■ Surface treatment

Trivalent Zinc, Hotdip Galvanizing Geomet,  
Nickel Zinc, Silver

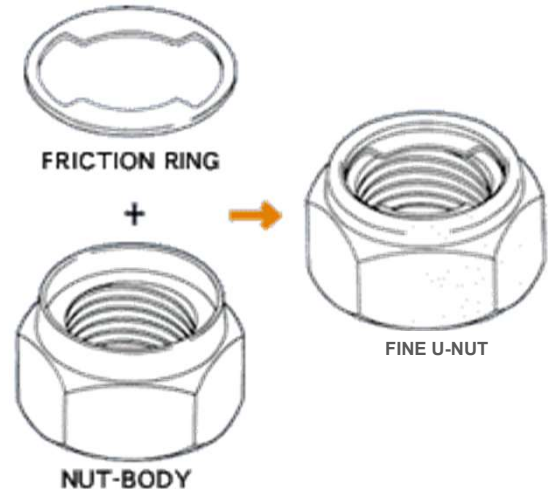
#### ■ Accuracy

Thread accuracy: ISO6H

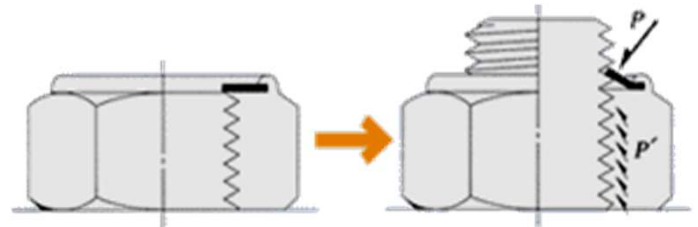
#### ■ Material

Low carbon steel, High carbon steel,  
Alloy Steel, SUS304-316

### Construction



FINE U-NUT consists of a nut and a friction ring (special spring stainless steel)



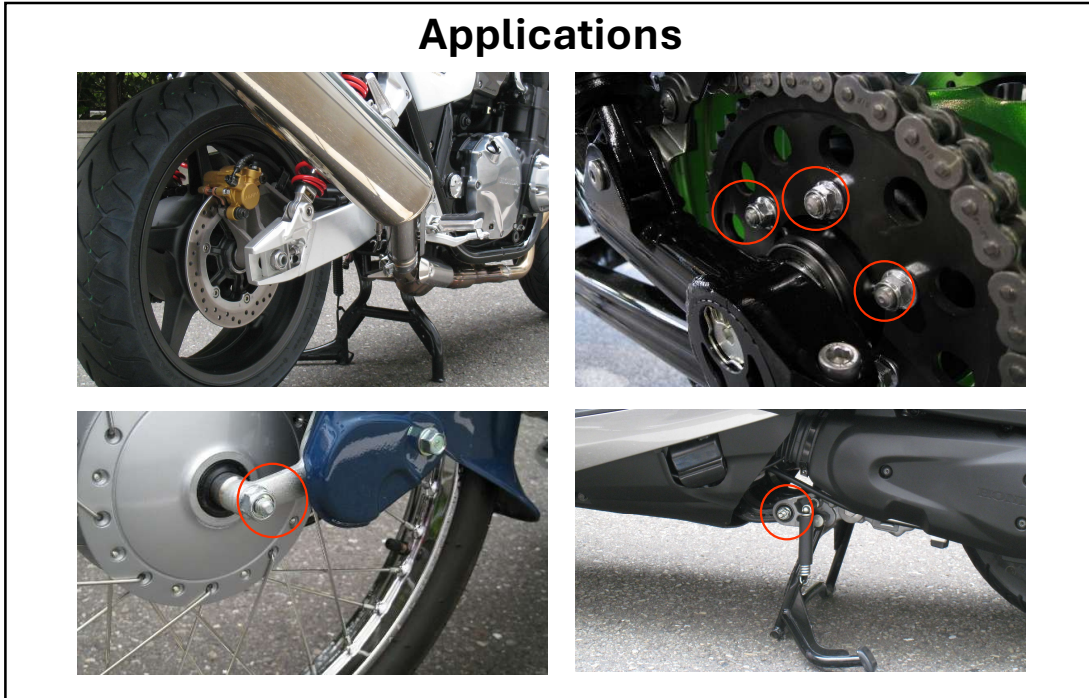
The screw thread contacts the friction ring. Stress  $P$  is produced by the spring effect of the friction ring. Stress  $P$  and its reaction force  $P'$  becomes a frictional torque (prevailing torque). The prevailing torque prevents the screw from loosening.



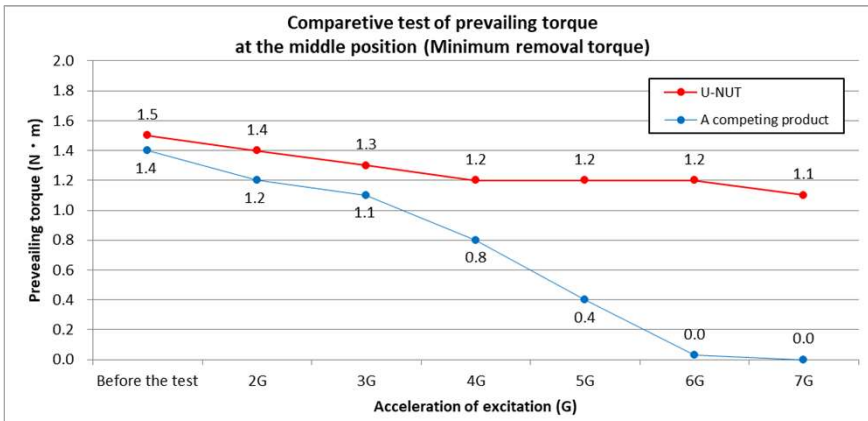
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### Applications



### Quality Assurance & Technical Support



### Test Condition

Each nut is fastened to the middle position of the bolt. Vertical impact is applied to the bolt for up to 30,000 cycles by the NAS Conforming High-Speed Thread Loosening Tester, then compare the prevailing torque (removal torque) at each acceleration 0G-7G.

Nut size and material: M10x1.25 Flange S20CH

**The results indicate that the U-NUT has a high locking function, after being exposed to vibration.**



Thread Fastener Tightening Characteristic Testing Unit

