



Features of the Hardlock Nut

1. High rotation and looseness prevention rate.

(Other products only prevent screw dropping, and do not prevent looseness.)

2. Can fix screw position at the middle.

(Can be utilize to fix positions for bolts and other components.)

3. Can be reused.

(Since there is no abrasion between the concave and convex, can be reused as long as the nut does not deform.)

4. Can maintain bolt access force (fastening power) for extended periods.

(HardLock's unique wedge structure makes this possible.)

5. Simple and complete.

(There is no need for the nuts to be completely locked (pinioned) as in the case of double nuts. All one needs is a wrench to complete the simple operations.)

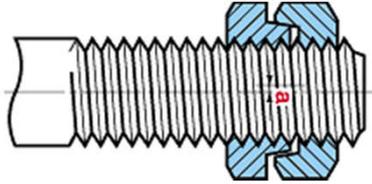
6. Contributes to large cost cuts.

(Realize the amount of labor costs cuts a non-loosening nut can bring.)

7. Prevents bolt breakage and extends the life of the fastener.

(The primary cause of bolt breakage is metal (low-cycle) fatigue due to screw looseness. The Hardlock Nut delays the onset of fatigue by maintaining the initial tightening (shaft) force, greatly extending the life of the fastener. This also has the effect of greatly decreasing bolt breakage.)

Concerning the Self-Locking Effect in the Middle of the Screw

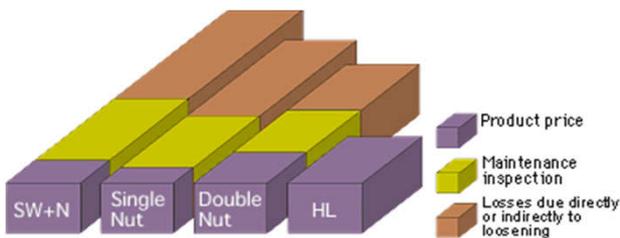


Hardlock nuts can be fixed in a stable position even when they are placed in the middle of the screw. The self-locking force generated by the wedge effect is outstanding. (a = Eccentricity)

Application examples:

1. For adjustment of tapered roller bearings or thrust bearings
2. For stable maintenance of various types of machinery after making delicate adjustments

The Powerful Self-Locking Effect Results in an Overall Cost-Reduction Effect



When considering the cost of self-locking nuts, it is meaningless to make comparisons based on the cost price alone. Unlike conventional nuts, Hardlock nuts are maintenance-free, so post-installation costs such as holding-power inspections and the expense of dealing with complaints or carrying out servicing if the nuts become loose are totally eliminated. When these factors are taken into account, the huge advantage of using Hardlock nuts in terms of overall economy is clear.