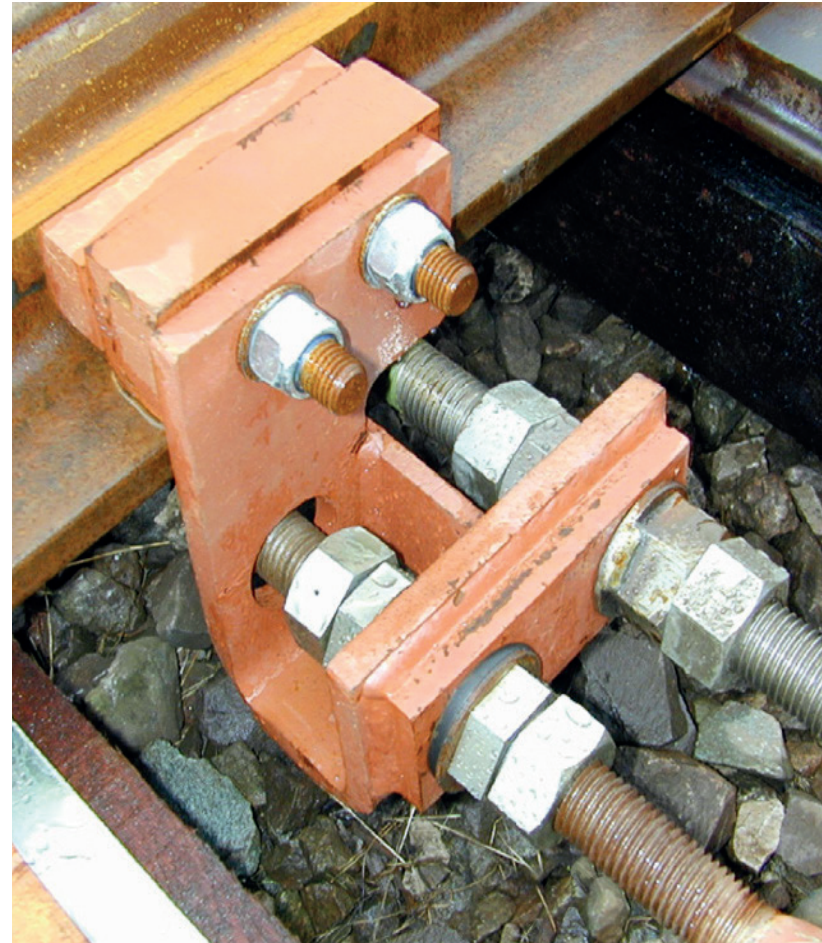


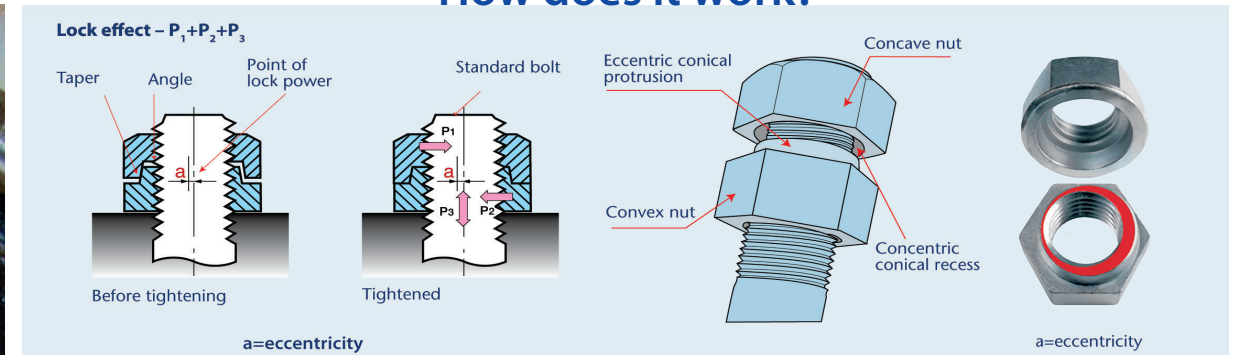


The Hardlock Nut

...the world renowned fastener that resists loosening by vibration and other external forces!



How does it work?



The Concave Upper Nut is threaded down the screw until the concentric conical recess comes into contact with the eccentric conical protrusion of the Convex Lower Nut. The Convex Lower Nut is held stationary, either by being seated, or by being held stationary with a spanner, if seating is not required.

When the Concave Upper Nut is tightened to the recommended tightening torque, locking forces between the Upper and Lower Nuts are induced. A vertical force - P3 (up and down the thread) is created, and two opposing horizontal forces - P1 & P2 are induced at the same time. The Concave Upper Nut is pulled into the screw threads in one direction, while the Convex Lower Nut is pulled into the screw threads in the opposite direction.

Hardlock is therefore held secure by the combination of three different locking forces. Repeated usage does not reduce the locking ability of Hardlock Nuts. Neither will there be undue wear on either of the nuts, or on the thread of the bolt as a result of frequent removals and subsequent re-installations.

- Highest resistance to loosening
- Easy to install
- Reusable
- 100% Safety record

The Hardlock Nut is used extensively by the railway industry in applications including: track, rolling stock, points & signalling, infrastructure and electrical installations.

For more information about the Hardlock Nut contact Staytite:

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