

NORM FASTENERS



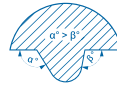
SteadyBolt® Optimized Rib Geometry for Superior Anti-Vibration Performance

SteadyBolt® is engineered to resist loosening under vibration by means of an optimized under-head rib geometry. Designed for dynamic conditions, **SteadyBolt®** controls even micro movements that occur after tightening, ensuring that initial preload is maintained. **SteadyBolt®** provides a safer and longer-lasting connection under vibration conditions without the need for any washer or additional locking element.



Optimized Rib Geometry

The optimized under-head rib geometry converts tightening torque into a strong mechanical interlock, preventing self-loosening.



Directional Locking

Directional rib angles create a self-reinforcing locking effect under vibration.



Improved Load Distribution

Larger rib contact area improves load distribution while minimizing surface damage.



Transverse Slip Resistance

Enhanced slip and micro-slip resistance versus competing products.



More Efficiency, Less Torque

Achieves the same clamping force with lower tightening torque than competing products, ensuring mechanical interlocking with the mounting surface.



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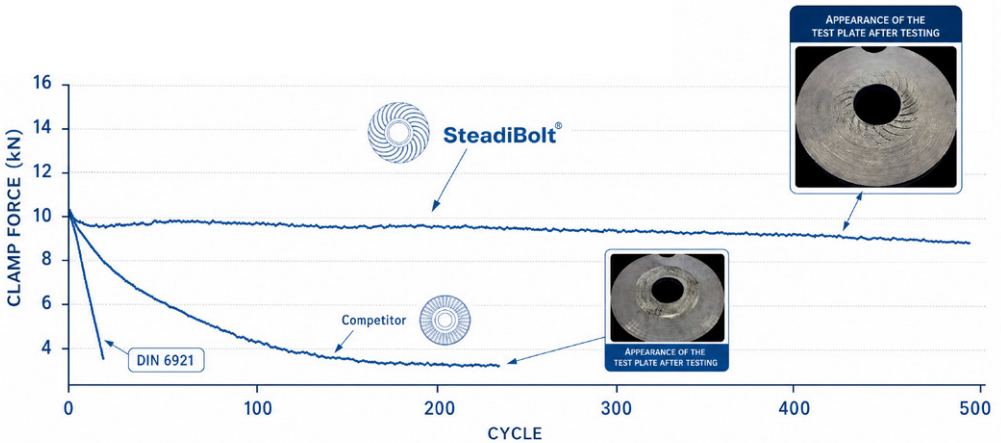
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Comparative Junker Tests



TESTED BOLT TYPE: M8x1.25x30 FT FK100 ZNCR³ T&TII

CLAMP LENGTH: 13.8 MM

INITIAL CLAMP FORCE: 10.2 KN

μ_{tot} : 0.125

HARDNESS OF PLATE: 250 Hv10 - STEEL

TRANSVERSE DISPLACEMENT: 0.8 MM

JUNKER TEST DEVICE: VIBRATIONMASTER JI60 FASTENER TEST BENCH



Superior resistance to vibration induced loosening:

Minimal transverse slip is observed under identical test conditions, resulting in both improved clamp force stability and reduced damage on the test plate.

Significantly higher preload retention:

SteadyBolt maintains a nearly constant clamp force throughout the test, while DIN 6921 and competing fasteners exhibit rapid preload loss within the first vibration cycles.

Proven performance in Junker vibration testing:

Compared to DIN 6921 and competing fasteners, **SteadyBolt** demonstrates superior joint integrity and visibly less surface damage after testing.

