

Norm-iFR

IMPROVED FATIGUE RESISTANCE



Developed thread form to improve fatigue resistance of bolt



Same static strength with standard bolt

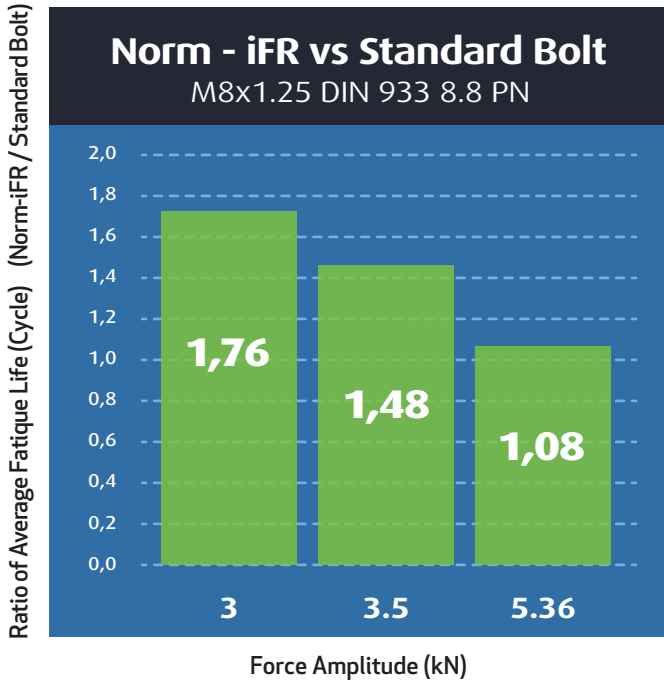


Same breaking torque with standard bolt



Easily used with standard threaded nuts

Improved Fatigue Resistance



Wohler Curve Comparison

Standart Bolt Vs Norm-iFR

M8x1.25 DIN 933 8.8 PN Bolt

Fm=21.1 kN

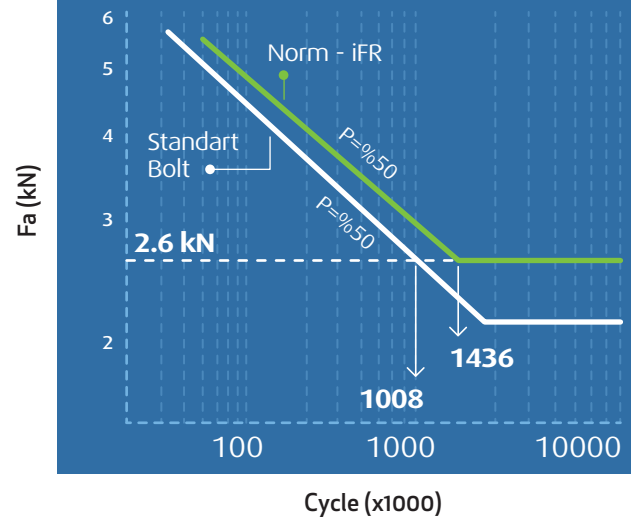
Testing Machine: Zwick Amsler 250 HFP 5100

Loading Condition: Axial (Tension-Tansion)

Test Frequency= 75 Hz

Replication= %83.3 accord. ASTM E739

95% Confidence Interval accord. ASTM E739



for more information:

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TEST and APPLICATION CENTER



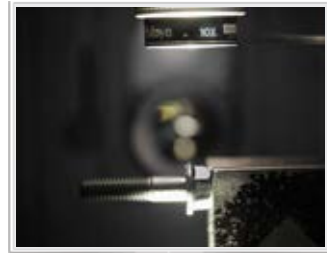
Perthometer



Profile Projection



Video Projection



Spectrometer



Mechanical & Statical Testers



Optical Microscopes



Stereo - zoom Microscopes



Molding, Cutting and Polishing Equipments



Thermal Camera



Hardness Measurement Testers



Coordinate Measuring Machine (CMM)



Fatigue Tester



Torque - Tension Tester



Bi - axial Vibration Tester

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