

Technical Service Bulletin



Product: Torque Specifications
Serial:
Priority: Mandatory

TSB 1509211
Sep 9, 2015
Page 1 of 1

TECHNICAL BACKGROUND

Torque is a measure of the twisting force required to spin the nut up along the threads of a bolt, whereas **tension** is the stretch or elongation of a bolt providing the clamping force of a joint. Bolts are designed to stretch just a bit, and this elongation clamps the joint together. Torque is a very indirect indication of tension, as many factors can affect this relationship, such as surface texture, rust, oil, debris, thread series and material type just to name a few.

FIELD CONCERNS

Idle Free Systems has received customer calls regarding torque specifications because of situations that damage equipment. Our specifications fall in line with industry standards for fasteners. As stated above, different conditions affect the standard torque value of a fastener.

CORRECTIVE ACTION

1. If using hardware supplied by Idle Free Systems, always follow torque recommendations as stated in the appropriate installation manual. These torque values are for **PLAIN AND DRY BOLT CONDITIONS**. If using **LUBRICANTS OR ANTI-SEIZE**, a lower torque value is required to achieve the same bolt tensioning. A published torque standard should be consulted to identify tightening torque requirements for "lubricated" conditions.
2. If for some reason you are supplying your own hardware, please ensure it is of the same grade of fasteners used by Idle Free systems and follow the manufacturer's specifications on torque. **NEVER ASSUME TORQUE VALUES** are the same as recent values you may have used. Always call Idle Free Systems customer support to confirm the fastener you have sourced is adequate and the proper torque is being applied.

SUPPORT

For technical inquiries or diagnostic assistance, please contact Idle Free Technical Support.

Idle Free Technical Support
1101 Industrial Drive
Watertown, WI 53094
920-206-9333
techsupport@idlefreesystems.com

For warranty inquiries, adjustments, and replacement parts, please contact Idle Free Warranty.

Idle Free Warranty Department
1101 Industrial Drive
Watertown, WI 53094
920-545-0680
warranty@idlefreesystems.com