

Subject: Torque-Out Testing

Purpose: This specification covers the setups and testing methods for performance evaluation tests of the subject part, or any other similar part.

Process: The values obtained in the push-out and torque-out test do not indicate axial strength of the fastener threads, allowable tightening torque, or design loading of an assembly. They pertain only to the holding strength of the fastener in the sheet.

Torque-out Test

Torque-out tests shall be performed by the gradual application of torque as illustrated while the test strip of parent material is firmly held. Socket head or cap screws should be of sufficient tensile strength to resist stripping.

***It should be noted that torque is defined as a “Pure Torque”; care must be given to ensure that no axial loads is induce between the fastener and the test panel.

