TIPS FOR PERFORMING ROCAP TESTS USING A SKIDMORE WILHELM BOLT TENSION CALIBRATOR

Rotational Capacity Testing in the field can be a difficult procedure. Here are some tips that can help when using a Skidmore Wilhelm Bolt Tension Calibrator:

- Get a powerful wrench! This test, especially on plain bolts requires quite a bit of torque. It can take as much as ***twice*** the torque of normal installation. Check with your wrench supplier to make sure you have a tool capable of running the test.

- When using a wrench with a torque reaction arm, make sure that you have a torque reaction kit attached to the Skidmore. Reacting against something not attached to the Skidmore can be dangerous and is not recommended.

- Unique to ROCAP testing we do not recommend that you use more than 1-1/2" of spacers between the plate and the hardened washer. See Figure 1. Exceeding this distance from the face plate combined with the extra torque required to do a ROCAP test can cause large bending loads on the bolt which can cause inaccurate results.

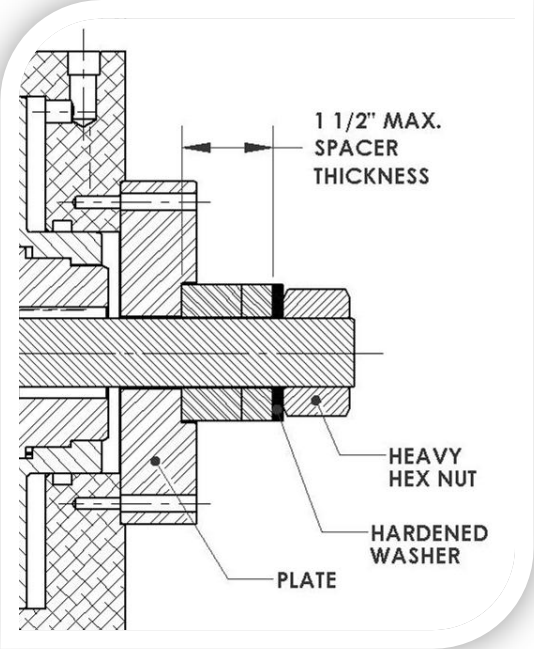

Figure 1, CROSSECTION THRU CALIBRATOR, MAXIMUM SPACER THICKNESS

Instead, use a spacer bushing which will allow you to space the bolt out of the back of the unit bringing the wrench closer to the face plate. See Figure 2.

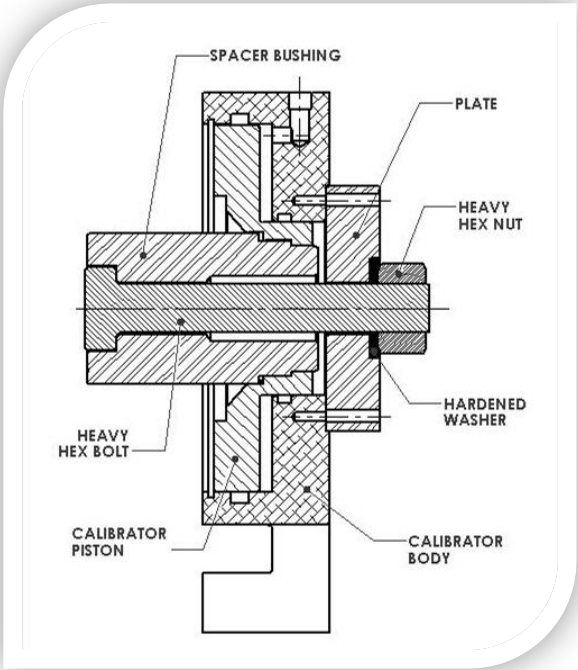

Figure 2 CROSSECTION THRU CALIBRATOR, USING A SPACER BUSHING

- Safety should always be your highest priority. The extra rotation and higher loads unique to ROCAP testing can result in broken bolts. Make sure to always follow your standard safety practices.

- IF IN DOUBT, ASK. The experienced professionals at Skidmore-Wilhelm are always available to answer your questions and support your bolt testing needs. www.skidmore-wilhelm.com