Valley Forge & Bolt Mfg. Co.

Product Specification Sheet

Clarkester™ Tester

SOLVE THE MYSTERY OF TORQUE TENSIONING

The assembly of bolted joints, the use of torque as a measure of joint tightness, has plagued the fastener industry for years. It is well known that using this tightening method can cause errors in joint clamp load (bolt tension) of up to +/- 30% from the target value.

The Clarkester™ Tester accurately correlates tightening tool torque to bolt tension prior to installation to virtually eliminate loose and broken bolts in structural and mill liner applications.

ASSURE SAFE & ACCURATE BOLTED ASSEMBLIES

Accurate and reliable bolt tension measurement in the Clarkester™ Tester is assured using Valley Forge's patented SPC4™ load indicating system, which can easily be verified for load accuracy using the supplied reference gage. The SPC4™ system has a certified accuracy to within +/- 5% of actual clamp load and is manufactured in accordance to the ASTM F2482 standard for load indicating fasteners.

CAPACITY

Clarkester™ Testers are available with load capacity up to 260,000 Lbf and torque capacity is approximately 16,000 ft-lbs. When properly equipped, bolts up to 2 1/2" in diameter can be tested.

FEATURES:

- Interchangeable load plates for various head configurations, including hex head, square head and mill liner bolts.
- New and replacement parts inventory available with expedite options.
- Dependable trouble-free operation without oil and pressure gages.
- Eliminates inaccuracies of out of calibration pressure gages.
- No reaction pins to shear.
- Easy and quick calibration of load cell using SPC4™ technology; can be verified instantly, on-site with no special tools and no special training.

Torque-Tension relationships can be established for most tightening tools including:

- Impact Guns
- Hydraulic and Hand Torque Wrenches
- Manual, Electric and Pneumatic Multipliers