



MAXBOLT™

Load Indicating Fasteners

Load Indicating
Built-In Meter



**ALWAYS KNOW YOUR BOLT'S LOAD
DURING INSTALLATION AND IN SERVICE.**

SAFER INSTALLATION · LESS DOWNTIME · OPTIMIZE EQUIPMENT PERFORMANCE · COST SAVINGS · JOINT INTEGRITY

Markets

Crane • Mining • Oil & Gas • Petro/Chem
• Power • Rail • Steel • Subsea

Maxbolt™ Advantages

- Accurate to +/- 5% (ASTM F-2482 compliant)
- Measures direct tension in the fastener, eliminating the mystery of torque
- Compatible with any tightening tool for quick installation
- Bolted joint integrity prevents expensive downtime
- Reduces inspection time and maintenance cost
- Inexperienced operators can complete complex assemblies with accuracy
- Sealed mechanical readout on each bolt



Only Valley Forge Load Indicating Fasteners Are ASTM F2482 Compliant With +/- 5% Accuracy.

Imagine being able to install bolts or studs with +/- 5% accuracy of direct tension in the fastener utilizing any tightening tool. Now imagine always knowing exactly how your bolts are performing under load. Maxbolt™ Load Indicating Fasteners give you this power by continuously measuring and displaying the amount of tension in a bolt or stud.

Each Maxbolt has an accurate and durable load-monitoring device built right in. Along with accurate assembly, the continuous monitoring of clamping force promotes joint integrity and safer performance. It also reduces expensive downtime caused by premature bolt wear and catastrophic joint failure, allowing for substantial cost savings.



Maxbolt's load-indicating display eliminates the mystery of torque.

Maxbolt displays as a percentage of minimum proof load.



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ACHIEVE DESIGNED CLAMP LOAD
DIRECTLY AND CONTINUOUSLY
MONITOR JOINT PERFORMANCE.

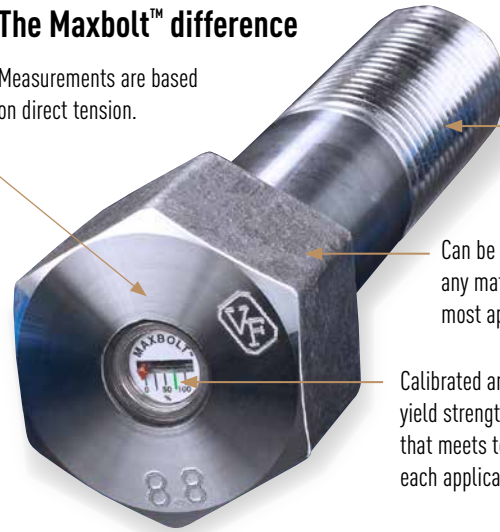
Meets ASTM F-2482 Accuracy of +/-5%.

- In all industries, joint failure is considered a major safety concern.
- Keeping up with bolt failure is expensive. Work shutdowns required for changeouts can cost several thousand dollars at a time, and add up to millions over the course of a year.
- Maxbolt is the only product available for most applications that will continually monitor clamping force while the fastener is in service.
- Save time by simply observing the tension on critical bolted joints and tightening only the bolts that need to be tightened.
- Customized gauge display shows desired operating range using a green zone or can pinpoint variable clamp load values.

The Maxbolt™ difference

Measurements are based on direct tension.

Compatible with conventional tightening and tensioning equipment. No need for costly measuring devices.



Can be manufactured in any material and size to fit most applications.

Calibrated and tested to minimum yield strength, assuring performance that meets tension requirements of each application.



Crane Slew Ring with Maxbolt™ Load Indicating Fastener System. Customer saves \$37,500 each time they check their bolts.



ALSO
AVAILABLE

SPC4™ LOAD INDICATING SYSTEM

Data-Indicating Fasteners and Remote Monitors

System includes:

- Fasteners with datum disks
- Range of fully interchangeable analog and digital meters & wireless sensors
- Wireless data logging also available



4410 W Jefferson St., Phoenix, AZ 85043

800-832-6587 | 602-269-5748 | www.vfbolts.com

