

VALLEY FORGE & BOLT MFG. CO.

INNOVATIVE BOLTING TECHNOLOGY & LOAD INDICATING FASTENERS



INNOVATIVE BOLTING TECHNOLOGY

Imagine a world where torque charts and tightening patterns have no relevance.

A world where you can use any type of tightening tool - hydraulic, electric or a hand wrench and still achieve even and optimal load on your bolted joint. Using the latest technology in load indicating fasteners, you can make this world, your world.

At Valley Forge, we have developed patented technology that will completely change your way of thinking about a bolted joint. Our manufacturing technologies give you the ability to monitor direct load in the fastener while it is in service. This capability will completely revolutionize your application. The money you will save in knowing exactly what your bolts are doing under load, gives you joint integrity, less down time, and safe performance of your equipment. We are a quality based, US manufacturer that focuses on solving problems and doing it in a first class manner.

The innovation will never stop. Visit our website or sign up for our newsletter to get the latest information on VF application solutions and new developments.



100% TRACEABILITY

Our manufacturing system has the unique capability to be 100% traceable to our customer's every need. Whether it be traceable to each individual part or lot, our capabilities go above and beyond.

HOT FORGING

Diameters ranging from 1/2" to 4", or 13mm to 102mm. The ability to forge thousands of sizes and shapes with outstanding precision is due to our in-house tooling department.

HEAT TREATING

Advanced equipment includes a heat treat furnace, internal quench and two temper ovens with a capacity of 1500lbs per load, state-of-the-art furnace controls with programmable recipes and electronic records.

MACHINING

Capability to machine diameters up to 8", or 200mm. We go out of our way to give extreme devotion to all aspects of the intricate machining processes and the precise creation of every single fastener that is created inside of our facility.

THREADING

Roll threads from 1/2" - 6 1/2" diameter, or 13mm to 165mm and cut thread from 3/8" to 4 1/2" diameter, or 10mm to 114mm.

ISO: 9001-2008 Certification • Lloyd's Register: Type Approval Certified

LOAD INDICATING FASTENERS

THE MAXBOLT™ LOAD INDICATING FASTENER

The Maxbolt™ Load Indicating Fastener continuously measures and displays the amount of tension in a bolt or stud. ASTM F-2482 approved Maxbolts™ offer a simple method for accurate joint assembly and is the only product available, for most applications, which will continually monitor clamping force while the fastener is in service.

The accurate assembly and continuous monitoring capabilities reduce the potential for premature wear, expensive downtime, and catastrophic joint failure. Load Indicating fasteners are compatible with conventional tightening and tensioning equipment and eliminate the need for costly ultrasonic, strain gages, and torque measuring devices. Current Maxbolt solutions in industry include application in mud pumps, cranes, turbines, subsea, mining, railway, to name a few.

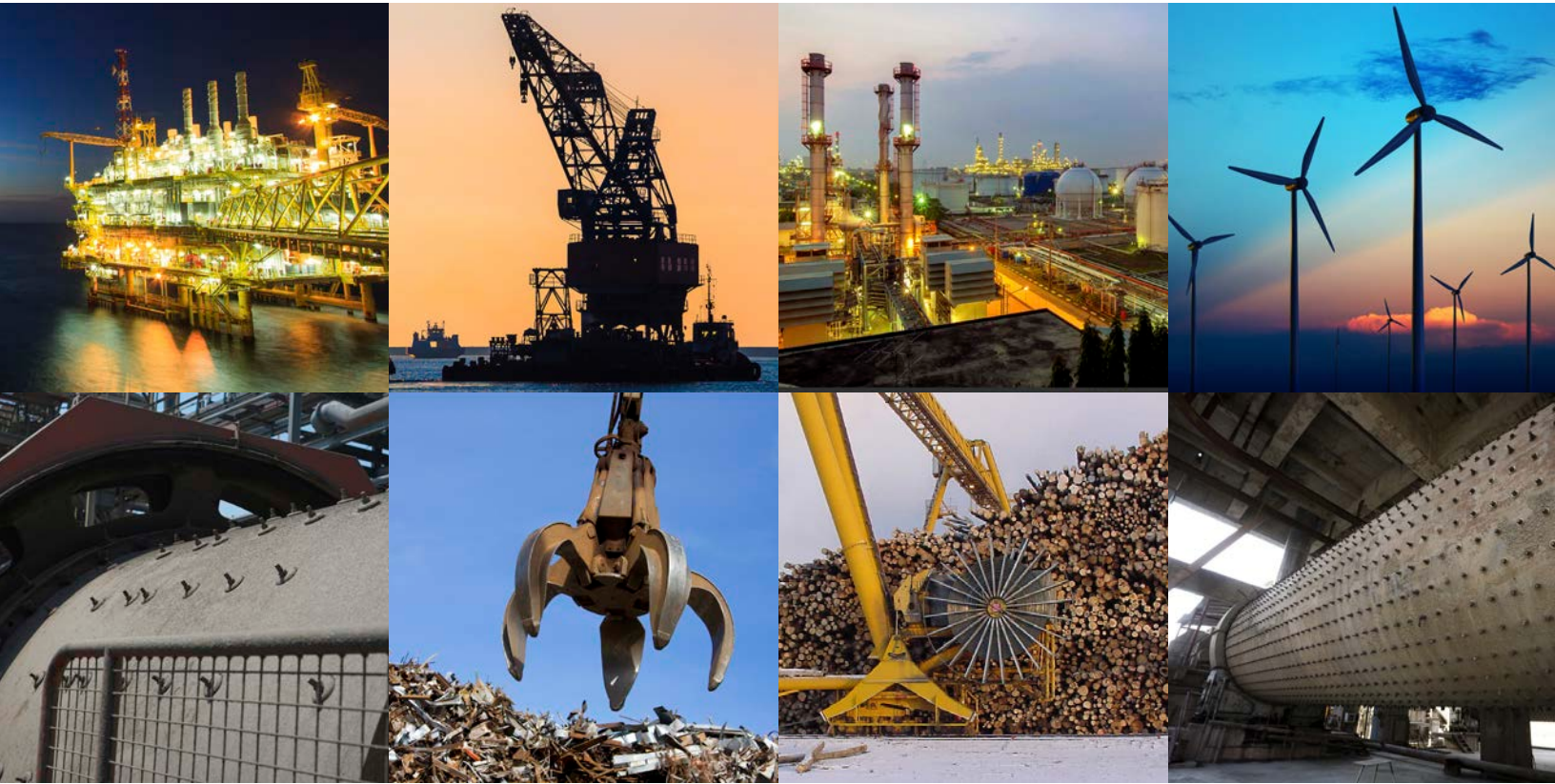
THE SPC4™ LOAD INDICATING SYSTEM

The SPC4™ Load Indicating System allows users to install and maintain a bolted assembly with confidence. The user is able to constantly monitor the clamp load of any SPC4™ bolted joint, whether static or dynamic. By easily attaching a probe to the datum disc located on the end of the fastener, bolt load is read or monitored. From wireless, intrinsically safe and data-logging, we offer a wide variety of SPC4™ Readers, to fit on your application.

Load Indicating Fasteners come in various shapes and sizes. They can be manufactured from standard ANSI materials or exotic materials. In most cases, your fastener can also be retrofitted into a ASTM F-2482 Approved Load Indicating System.



LOAD INDICATING FASTENERS SERVICING INDUSTRIAL APPLICATIONS WORLDWIDE



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