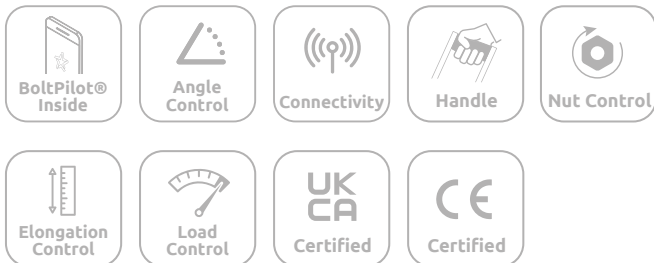




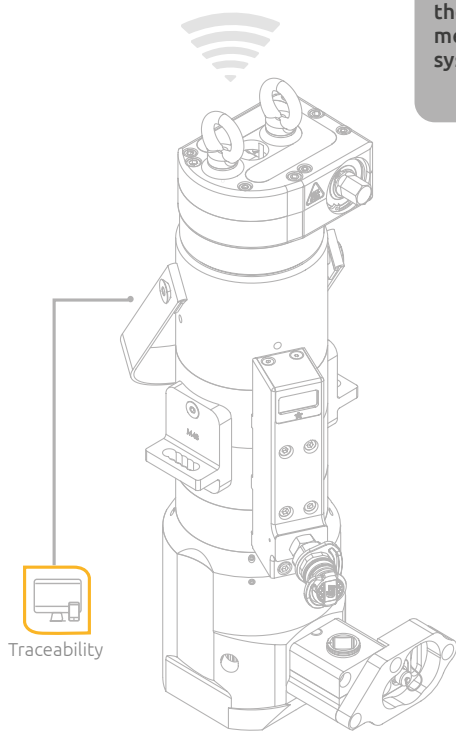
Smart Tensioner

Smart Bolting System



Smart Features

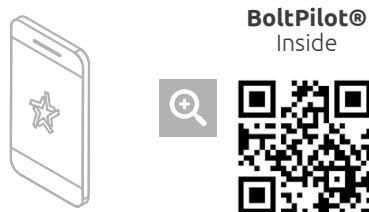
- + Traceability
- + Data collection
- + Safe Job, Less Effort
- + Faster
- + Controlled bolting tools
- + Access remotely to the job info
- + Assure correct procedures



Traceability

Multiple variables controlled

Nut rotation angle · Nut applied torque · Elongation



Applications





SMART TENSIONING SYSTEM

Description

- + High pressure Pump up to 2000 bar
- + The control knob with LCD screen allows to maintain a dialogue with the technician during work to avoid mistakes



Smart Pump

- + It allows to control phases of the process and measure the torque applied to the nut-turner of the tensioner



Smart Wrench

- + We take advantage of data transfer technologies, such as WIFI, bluetooth, GPRS, QR, etc. to transfer the work instructions to the equipment and to retrieve the tightening results.
- + It can be transferred in countless ways, email, pdf server communication...



Data Processor Device

- + Includes Charging Dock Station
- + For battery management of electronics
- + Data Processor Device, Spares and Smart Wrenches



Dock Station

- + High pressure Hose with special protection



Hydraulic Hose and N-CoD Connection Cable

- + Improved ergonomics and safety
- + Reduces personnel fatigue
- + Bolt damages during manipulation and reduces work cycle time



Trolley

- + Improved ergonomics and safety
- + Reduces personnel fatigue
- + Bolt damages during manipulation and reduces work cycle time



Smart Tensioner



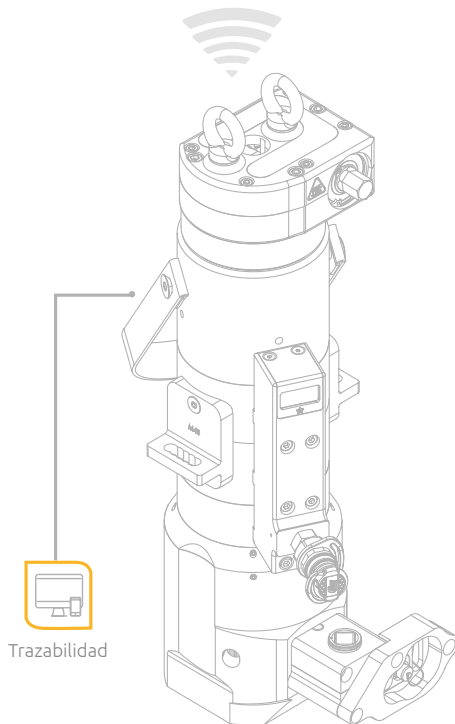
Smart Tensioner

Smart Bolting System



Smart Features

- + Trazabilidad.
- + Recopilación de datos
- + Trabajo Seguro, Menos Esfuerzo
- + Más rápido
- + Herramientas de Apriete Controlado
- + Accede de forma remota a la información del trabajo
- + Asegura de forma correcta los procedimientos.



Múltiples variables controladas

Ángulo de giro de la tuerca · Torque aplicado a la tuerca
Elongación



BoltPilot®
Inside



Aplicaciones





SISTEMA DE TENSIONADO INTELIGENTE

Descripción

- + Bomba de alta presión hasta 2000 bar
- + La perilla de control con pantalla LCD permite mantener un diálogo con el técnico durante el trabajo para evitar errores



Bomba Inteligente

- + Permite controlar fases del proceso y medir el par aplicado al giratuercas del tensor



Llave Inteligente

- + Aprovechamos las tecnologías de transferencia de datos, como WIFI, bluetooth, GPRS, QR, etc. para transferir las instrucciones de trabajo al equipo y recuperar los resultados del apriete.
- + Se puede transferir de innumerables formas, correo electrónico, comunicación con servidor pdf...



Dispositivo de procesamiento de datos

- + Incluye estación de carga
- + Para la gestión de la batería de la electrónica
- + Dispositivo Procesador de Datos, Repuestos y Llaves Inteligentes



Dock Station

- + Manguera de alta presión con protección especial



Manguera hidráulica y cable de conexión N-CoD

- + Ergonomía y seguridad mejoradas
- + Reduce la fatiga del personal
- + Daños en los pernos durante la manipulación y reduce el tiempo del ciclo de trabajo



Carro

- + Ergonomía y seguridad mejoradas
- + Reduce la fatiga del personal
- + Daños en los pernos durante la manipulación y reduce el tiempo del ciclo de trabajo



Tensionadores Inteligentes



BoltPilot® System



Complete Process Control
Controls, Guides, Assures
& Records all bolt tightening



Who, When, Where, How

- + Torque or Torque and Angle Applied.
- + Tension or Tension and Residual Elongation.
- + Skidmore Calibration Procedures.
- + Manufacturer's Specific Procedures.

Mean Features

- + **COMMUNICATION.**
Communicate with the system using different technologies, such as Blue-Tooth, RadioFrequency, WIFI and can interact with other elements through RFID, QR or NFC tags to facilitate the identification of personnel, tools, joints to be tightened, etc. ...
- + **SENSORIZATION.**
Our tools, sensorized when necessary, BoltPilot covers all types of tools, from hand wrenches, hydraulic torque and tension tools, as well as battery and electrically powered tools.
- + **MULTIDEVICE.**
Control of bolting activities starts at the factory. The BoltPilot System will offer the same level of guidance, control, data collection and traceability during the Manufacturing process as during Construction or Operation and Maintenance.

