



Hydraulic bolt tensioner even more efficient, safer and longer lasting

Technofast Industries, one of Australia's leading hydraulic fastening companies, has updated its very popular EziJac B3S series of hydraulic bolt tensioners to make them even more efficient, longer lasting, user friendly and safer.

The B3S Series EziJac is a modular style hydraulic bolt tensioner featuring a spring return mechanism which automatically resets the tool to its full working stroke. The modular design allows multiple adaptor kits to be interchanged with just the one load cell.

Suitable for whenever accurate and repeatable loading is required across a wide range of industries, the new updated model includes a number of important features all designed to reduce maintenance costs and improve productivity.

One of the key features of the upgraded B3S Series EziJac hydraulic bolt tensioner is an innovative new 2-piece seal design which offers even faster operation of the tensioner due to lower friction.

Technofast's Founder and CEO Mr John Bucknell says the new seal also improves the longevity of the bolt tensioners, which are now capable of well over 1000 cycles before seal replacement is required.

"We have also designed new improved seal retainers, to further enhance the reliability of the bolt tensioners.

"Customers will be very impressed with the longevity of this new model, which was already outstanding," Mr Bucknell said.

As well as the new seal design, the return force of the return springs of the bolt tensioner has been increased to further improve efficiency and speed of operation.



Offering very accurate bolt tensioning, the B3S Series EziJacs also feature a new puller design making them far easier to be operated by workers wearing gloves.

“The bolt tensioners were always easy to handle, but they are now even more so, making them very user friendly.

“Plus we have updated the bolt tensioners to include a new retainer for the nut rotator, to keep it attached to the tool and prevent it falling off, which is critical for employees working at heights.”

Mr Bucknell explained that the EziJac hydraulic bolt tensioners use hydraulic pressure to tension the bolt to the exact load required.

“Once the bolt has been tensioned, the standard nut is wound down the thread to retain the load.

“The EziJac is then depressurised, reset to full stroke by the return mechanism, and removed from the application ready to be used again.”

The EziJac bolt tensioners offer reduced assembly time for critical jointing applications and where simultaneous tensioning of bolts is required, such as flanges where even gasket compression is required.

As well as being ideal for confined and difficult nut locations, the B3S EziJacs require little physical effort to operate and are ideal where rotational or torsional stresses are a problem, and where regular maintenance requires repeated adjustments or removal of nuts.

Suitable for a wide range of applications, including the mining, oil & gas, power and manufacturing industries, the EziJac hydraulic bolt tensioners offer reliable and precise tensioning, coupled with improved safety on the job by eliminating hammer tightening and pinch points, and with remote pumping, no operators are in close proximity to the work area.

Fast to apply and to remove, the EziJac B3S series of hydraulic bolt tensioners feature a stroke indicator, a spring return piston, interchangeable adaptor kits, leak-free seals, Nitrided components for increased tool life, an optional second port and quality assured Australian manufacture.



Other hydraulic tools in the EziJac range include the manual return B2 Series and B3M Series, with the latter part of Technofast's modular series allowing multiple adaptor kits to be interchanged with the one load cell.

Also available is Technofast's X2 & Y2 2-Stage EziJacs which encompass a large range of slim bodied tensioners to complete maintenance on any application with restricted space.

For manufacturers and end users of plate heat exchangers, Technofast's FastaJac hydraulic bolt tensioners are designed to save on production, labour and maintenance costs.

The use of a lightweight hollow cylinder jack in conjunction with the patented 'Tri Nut' allows the compression of plates to be carried out evenly, squarely and efficiently. The hydraulic cylinders simultaneously compress the plates. The Tri-Nut is designed to fit over the major diameter of the thread until it engages into its spherical seat. Then the nut closes onto the thread and the nut is screwed home as normal. This facilitates speedy fitting and removal of the tools removing the need for 'running down' the tensioner retaining nut over the full length of the thread.

Technofast technologies such as the EziJac range of hydraulic bolt tensioners and the EziTite range of hydraulic nuts and bolts and complementary CamNut range are employed worldwide in applications including Australasia, Asia and North America.

They are particularly valued in applications where avoidance of downtime and reduced maintenance time is critical, including nuclear, hydro, gas and coal electricity generation plants and mining and industrial processing applications.

Recent relocation to the company's purpose built factory in the industrial precinct of Crestmead allows streamlining of manufacture and a significant increase in production to address increasing demand for these innovative fastener systems.

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