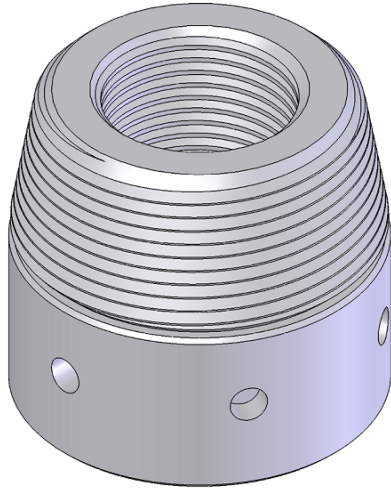


A3 CamNut HydraJac



Many Technofast product users have wished to extend the benefits of HydraJac Tensioning Systems across more applications, but have been restricted by bolts which do not have sufficient stud protrusion through the nut to apply these tools. There are many instances where stud replacement is not an option, or where stud protrusion is undesirable.

Technofast's revolutionary new CamNut HydraJac brings an affordable and efficient solution to this problem, in a compact system which is simple, safe and easy to use.

Normally, a Bolt Tensioning tool pulls on the bolt threads protruding above the regular hex nut, which is then screwed down to retain the loads induced by hydraulic operation of the tool. With no available thread, the CamNut performs as the connection to the bolt for the operation. Its integral collar expands to take up the bolt's elongation under force and retains the load when the hydraulic charging pressure is released.

Features

The patented design of the CamNut is inexpensive and has the following advantages:

- User friendly, fast to fit & remove.
- Requires little physical effort.
- Ideal for situations with short bolt grip length.
- Modular construction reduces overall tool weight.
- Designed for extreme situations / adverse conditions.
- No longer need to replace expensive studs to provide sufficient grip length.

Applications

The CamNut is suitable:

- When accurate and reliable loading is required.
- When confined spaces are an issue, incl. restricted bolt spacing.
- In Corrosive environments.
- When bolts or studs are likely to be damaged on the application.

A few examples of applications are:

- Pressure Vessel Closure (i.e.: Autoclaves, Boilers, etc).
- Crusher Liner Bolts.

Fast

Accurate

Cost Effective

Safe

Simple

For details of the other products available from Technofast, please visit our Website
www.technofast.com



technofast
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How it Works:

The patented CamNut Tensioning system works by using a CamNut to replace the normal nut & washer on an application. To tension the CamNut a Standard A3 Spring Return Tensioner with a modified puller is used.

Due to the multi-start thread on the puller adaptor of the Tensioner (1) latches on to the CamNut Assembly (2) with approximately one and a half turns, which ensures a speedy installation and removal.

The tensioner is then pressurised to achieve the required load.

The locking device is then activated by rotating the bottom section of the CamNut, until the load gap is closed.

The Hydraulic pressure is then released and the A3 Spring Return Tensioner is removed.

CamNut Standard Range

CamNuts are manufactured to cover a variety of bolt sizes dictated by the range of force available in the A3 Spring Return Series.

A3S-T2 = 361 kN (max load)

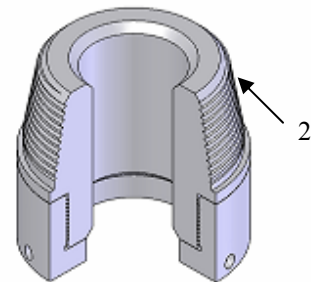
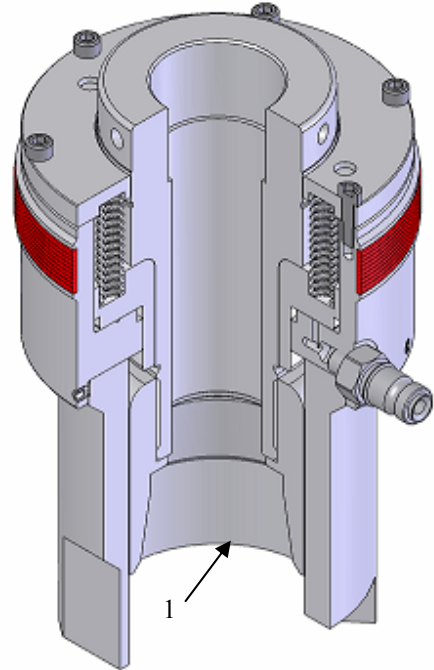
A3S-T4 = 666 kN (max load)

A3S-T6 = 1216 kN (max load)

A3S-T8 = 1900 kN (max load)

Max Load refers to a Hydraulic pressure of 1500 bar being applied to the tensioner.

Standard A3 Spring Return HydraJac with a 'CamNut' Adaptor



CamNut

Technofast Industries Pty Ltd is an award winning precision engineering company, specialised in the design & manufacture of Hydraulic Nuts, Bolts, and Tensioning devices.

Technofast is based in Richlands, QLD and is proud to be Australian Manufacturer.

Australian Patent No: PCT/AU2005/000254



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