

# A3 HydraJac Kits

Safer, faster and more accurate bolt tensioning is achievable when using Technofast Industries A3 Spring Return HydraJacs compared to either hydraulic or pneumatic torque wrenches.

- Longer bolt life due to the elimination of galling and thread pick up as a result of frictional force applied to the thread. When using Technofast Tensioners the nut is never turned while under 'load'.
- There is no requirement for a reaction point as the tensioner 'reacts' on the spot face adjacent to the nut.
- Tensioners are generally lighter than the combined weight of a torque wrench and impact socket or cassette.
- Technofast A3 modular tensioners are simple in construction and use requiring only minimal operator training and require little physical effort to use.
- By the removal of the effects of friction from the calculation, a more accurate and consistent bolt load is obtained which is highly beneficial when specifying gaskets loads, etc.



## 1. A3 HydraJac with Adaptor Kit



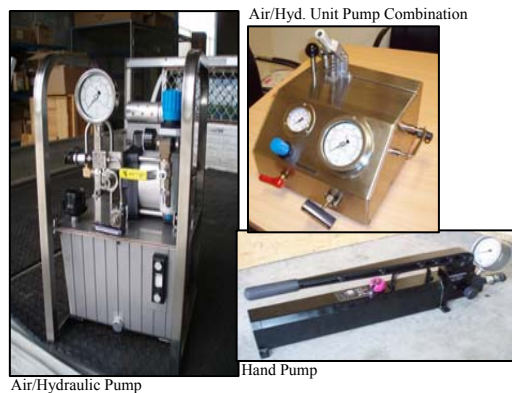
## Features:

This A3 HydraJac kit is equipped with everything you will need to service your equipment. It also includes pumps, hoses and accessories for easy application of all your tensioning tools.

The kit may include:

1. A3S Spring Return HydraJac with adaptor kit.
2. Air Hydraulic Pump, Air/Hydraulic Unit Pump Combination or Hand Pump.
3. Hoses and fittings..
4. Porting Blocks.
5. Tool Box.

## 2. Pumps



Air/Hydraulic Pump

Air/Hyd. Unit Pump Combination

Hand Pump

## 3. Hoses and fittings



## 4. Porting Block



## 5. Tool Boxes



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There are also considerable cost savings possible as detailed in the following examples based on your needs to cover a range of bolt sizes.

**Example 1: Heavy Engineering Applications, also available in metric sizing.**

Imperial bolt sizes between 1 1/4" and 3" X 8UN (Possible application Drag Line Maintenance crew) consisting of:

• A3S T4 Load cell with 1 1/4", 1 3/8", 1 1/2"	T4 Adaptor kits	4 Off
• A3S T6 Load cell with 1 5/8", 1 3/4", 1 7/8"	T6 Adaptor kits	4 Off
• A3S T8 Load cell with 2", 2 1/4", 2 1/2",	T8 Adaptor kits	4 Off
• A3S T10 Load cell with 2 3/4", 3"	T10 Adaptor kits	4 Off
• PU-HP1500M	1500 Bar Air Hydraulic Pump	1 Off
• PU-HG 500L	5 Metre 1800 Bar Sheathed Hose	1 Off
• PU-HG 300L	3 Metre 1800 Bar Sheathed Hose	4 Off
• HNCP-214	5 Way Manifold	1 Off
• TA-SSB-M	Heavy Duty Tool Box	1 Off

**NB, above quantities allows for 4 bolts to be tensioned at one time and quantities bolt sizes and thread pitch can be adjusted as required.**

**To cover the same range with hydraulic torque wrenches would require the following: (Torque values assume bolts are oil lubricated)**

• 3000 Ft Lb TW 1" Square drive, plus 2", 2 3/16", 2 3/8" sockets	4 Off
• 5000 Ft Lb TW 1 1/2" Square drive, plus 2 9/16", 2 3/4", 2 15/16", 3 1/8", 3 1/2" sockets	4 Off
• 10000 Ft Lb TW 2 1/2" Square drive plus 3 7/8" socket	4 Off
• 25000 Ft Lb TW 2 1/2" Square drive plus 4 1/2", 4 5/8" sockets	4 Off
• Torque Wrench Pump complete with dual hoses	1 Off

**Value of Technofast A3S Tensioner Kit: \$79,382.14**

**Value of Hydraulic Torque Wrench Package as described above: \$340,236.00**

**In addition to the financial savings achieved, they are quick and easy to use with minimal training or experience, eliminating several WH&S risk factors in lifting and pinch point crush injuries.**

**No matter what industry or critical bolting application you have Technofast Industries can tailor a tensioning 'Tool Kit' from you. From 1—100 Load Cells and as many Adaptor Kits in a wide variety of thread sizes and types both metric or imperial or a combination of both!**

**Whether you are in a steel mill, a gold mine or are service provider a call to Technofast Industries or one of our agents will ensure that you get the very best options available to you our Customer.**



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