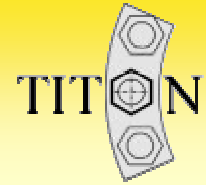


Operating Procedure



Hydraulic Nut Splitter



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Ref: BAH/OPS/NS/002

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Introduction

The Hydraulic Nut Splitter has been designed to provide a fast, safe and efficient way for removing nut assemblies. They are ideally suited to application where there may be restricted access or a corrosion build up on the nut and bolt assembly prohibiting the use of torque equipment. The nut splitter is located over the nut to be cut. Hydraulic pressure is applied via a pump unit and hose assembly. The blade is driven into and splits the wall of the nut. The pressure is released and the blade retracts via an integral spring return mechanism.

Safety Notes

The Nut Splitter must only be used for the purpose for which it is intended. That is the splitting of standard hexagonal nut assemblies. The tools should not be used for any other purpose or modified or adapted to other applications without prior consultation with B & A Hydraulics. The following safety notes are not an exhaustive list but serve to provide a framework for considerations to be observed whilst using the equipment.

1. Read the operating instruction manual
2. Always wear personal protective equipment - eye protection is essential
3. Never position your fingers in the head of the nut splitter
4. Never position yourself in-line with a bolt being worked on.
5. Never exceed the equipment's stated maximum working pressure
6. If in doubt - ASK.

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Preliminary System Checks

Prior to using any B & A Hydraulics Nut Splitting Equipment ensure the following requirements have been met:

Nut Splitter - See Appendix 1

The correct size of Nut Splitter has been selected for the application and is in good condition. The Nut Splitter blade is in good condition and is not chipped or fractured.

Hose Whip

The Hose Whip is in good condition and has not incurred any damage. Look for any crushing, cuts or kinks in the hose.

Hand Pump - refer to the Enerpac Catalogue for details on available hand pumps

Ensure the Hand Pump is in good condition and has not incurred any damage. Look for damage to the fitting and release valve.

Ensure the Pump reservoir has sufficient oil.

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Bolt & Nut Checks

Prior to Nut Splitting ensure the following Bolt and Nut Checks have been made.

Bolt & Nut Checks

Ensure that the bolt and nut assemblies have sufficient access to fit the Nut Splitter. The Nut Splitter should rest on the flange so that the blades sits at a 90 degree angle to the nut.

Ensure the Nut to be Split is a Hexagon nut and not a 12 Point or Square nut.

On completion of these checks the Nut Splitting Set-up Procedure can begin.

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System Set-Up

Nut Splitter Set Up Procedure

Place the Nut Splitter over the nut

Ensure the Nut Splitter blade is square to the nut. Misalignment may cause damage to the blade.

Connect the Nut Splitter to the Pump using the Hose Whip

You are now ready to begin the Nut Splitting Procedure.

NOTE:

Holmatro Style Nut splitters have an adjustable blade, to adjust the blade simply rotate the body until the required setting is achieved.

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System Operation

Nut Splitting

Ensure the Nut Splitter is sitting square to the Nut and all preliminary checks have been completed

Operate the Pump Unit (Close the Release valve by rotating the handle clockwise and operate the pump handle for hand operated pumps) until the blade comes into contact with the Nut. Ensure the blade is still square to the Nut.

Continue to operate the Pump Unit until the nut splits.

Release the pressure in the Pump Unit. (Rotate the handle anti-clockwise).

Either spin the nut off the stud or rotate it 180° and repeat the above procedure. This will split the nut in half.

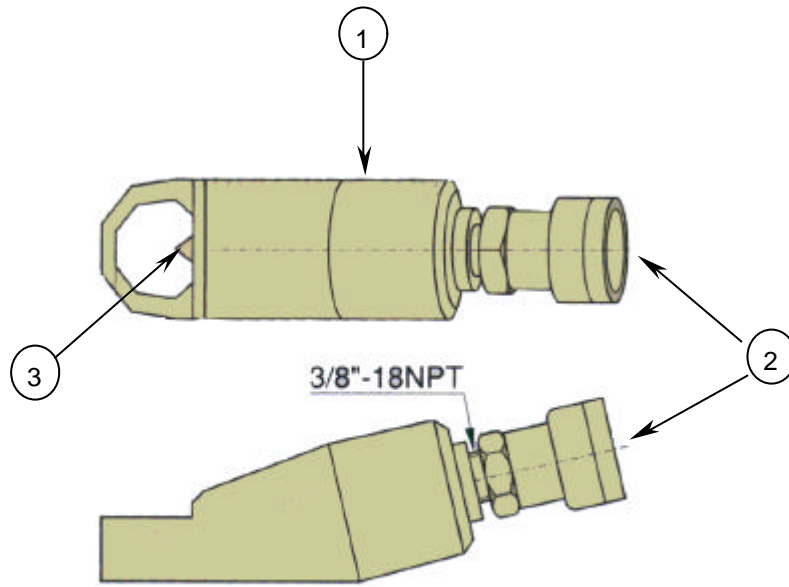
Repeat the above procedure on each nut to be split.

Decommissioning

Remove the Nut Splitter from the Nut and disconnect the hose from the Nut Splitter and Pump Unit

Appendix 1 - Hydraulic Nut Splitter

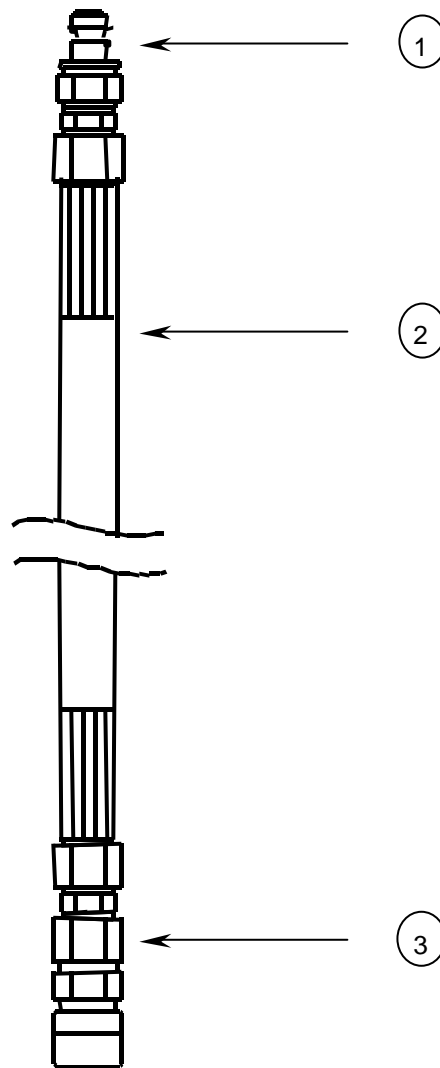
Item No	Description
1	Nut Splitter Body
2	Hydraulic Connection (Female Q/D Fitting)
3	Cutter Blade



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Appendix 2 - Hose Assembly

Item No	Description	Qty
1	Quick Connect Nipple Assembly	1
2	1m or 3m Hose 21,750 Psi MWP Hose	1
2	Quick Connect Coupler Assembly	1



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