

Prepared by:-	Mark Dalley	Approved by:-	Matthew Hughes	Date: 18/10/12
REV NO:- 002				
ECO:- 3942				

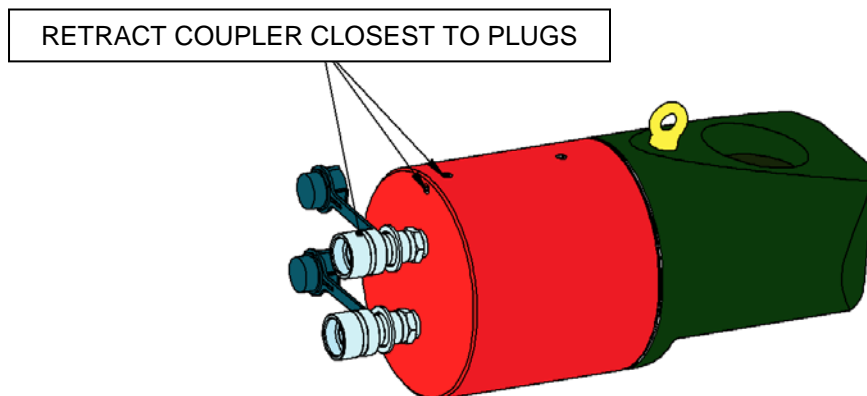
Before operating your Hi-Force DNS Series Nut Splitter check in the table below for the correct capacity to suit the nuts to be cut.

MODEL NO.	HEX SIZES (mm)	THREAD SIZES (mm)	THREAD SIZES (INCH)
DNS 404	75-105	M48-M72	1.7/8-2.3/4
DNS 506	105-135	M72-M95	2.3/4-3.1/2

When connecting hose lines to your Hi-Force DNS Range Nut Splitter ALWAYS ensure that hoses and couplings are CLEAN, SECURELY FASTENED and of CORRECT PRESSURE RATING for the Nut Splitter i.e. 700 Bar Working Pressure with a 4:1 FACTOR OF SAFETY.

ALWAYS ensure couplers are FULLY TIGHTENED BY HAND, the most common reason why the Nut Splitter blade fails to advance when operated is because the coupler has not been properly cleaned and is not fully connected to the nut splitter.

It is ESSENTIAL that a pump with a 4 way valve suitable for double acting cylinders is used for DNS nut splitters. BOTH hoses MUST always be connected. Refer to diagram below for correct connection in the event that markings are not visible.



Always check that the hydraulic pump to be used with the nut splitter is of sufficient pressure capacity (700 Bar) and has a sufficient quality of clean, compatible oil in the reservoir. Hi-Force Hydraulics manufacture a wide range of manual, air powered, electric and petrol engine driven hydraulic pumps suitable for use with Hi-Force NS nut splitters.

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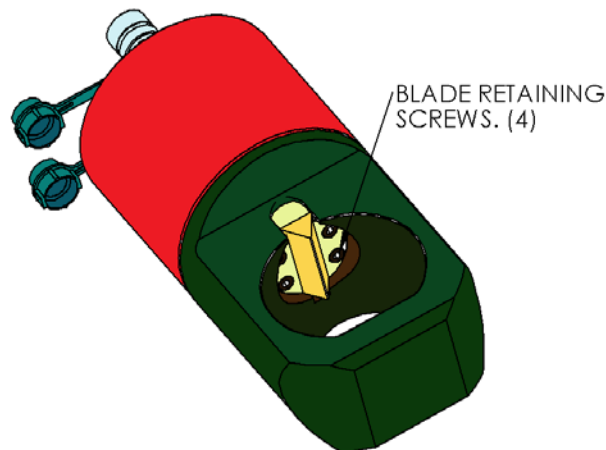
Ask your local Hi-Force distributor for further details or consult Hi-Force hydraulics direct.

Using suitable lifting equipment, place the nut splitter over the nut to be cut so that the blade is aligned with the centre of one flat of the nut, and the opposite flat is against the flat face of the jaw. Never try to cut on a corner of the nut. Operate the pump whilst holding the nut splitter in position. Stop the pump when the nut is cut through to avoid damage to the stud, bolt or blade. Retract the blade by reversing the oil flow by means of the valve on the pump.

If the nut cannot be removed after one cutting operation, reposition the nut splitter 180° from the first cut and make a second cut.

After completing each cutting operation ALWAYS clean any debris from around the cutting blade and cutter jaw. This will greatly reduce the possibility of blade jamming.

After a period of operation, depending on the material being cut, the blade may become blunt or worn. The blade has three cutting edges and can be removed and repositioned by loosening the blade retaining screws shown below and sliding the blade out, ensure that the blade is fully inserted before tightening the screws.



**THIS OPERATION SHOULD BE CARRIED OUT WITH THE NUT SPLITTER
DISCONNECTED FROM THE PUMP.**

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NOTE:-

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UK Head Office:

**Hi-Force Limited
Prospect Way,
Daventry,
Northants,
NN11 8PL,
United Kingdom,
Tel: +44 1327 301 000
Fax: +44 1327 706 555
Email: daventry@hi-force.com**

Hi-Force Regional Offices:

**Hi-Force Australia Pty. Ltd
Rockingham
Australia
Tel: +61 8 9591 1288
Email: australia@hi-force.com**

**Hi-Force Caspian
Baku
Azerbaijan
Tel: +994 12 447 4100
Email: baku@hi-force.com**

**Hi-Force Hydraulics (Asia) S.B
Selangor
Malaysia
Tel: +603 5569 4209
Email: malaysia@hi-force.com**

**Hi-Force Nederland BV
Strijen
Netherlands
Tel: +31 78 6745488
Email: holland@hi-force.com**

**Hi-Force Hydraulics (Pty) Ltd
Midrand
South Africa
Tel: +27 11 314 0555
Email: south.africa@hi-force.com**

**Hi-Force FZCO
Dubai
United Arab Emirates
Tel: +971 4 815 0600
Email: dubai@hi-force.com**

**Hi-Force Hydraulics
Abu Dhabi
United Arab Emirates
Tel: +971 2 551 3100
Email: abu.dhabi@hi-force.com**

**Hi-Force Hydraulic Equipment
(Shanghai) Ltd. Co.
Shanghai, China
Tel: +86 21 6697 3010
Email: china@hi-force.com**