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NATIONAL OIL VARCO  
GRIFFITH

**8045 TORQUEMASTER**

3660 - 93 STREET  
EDMONTON ALBERTA CANADA  
T6E-5N3

ph. (780) 944-3929 fax. (780) 436-3492  
E MAIL: [DHPSales@nov.com](mailto:DHPSales@nov.com)

Made in Canada

S/N #8045-038

C-1110714

HEADSTOCK CYLINDERS      TAILSTOCK ROTATION      PUSH/PULL CYLINDER      JAR PRESS  
 AMP      AMP      MAKE      PUSH      PUSH  
 AMP      CLAMP      BREAK      PULL      PULL

[www.PetroRigs.com](http://www.PetroRigs.com)

**CAUTION**



KEEP PERSONNEL CLEAR WHILE  
 OPERATING BREAKOUT MACHINE.  
 SERIOUS PERSONAL INJURY MAY  
 RESULT!

**CAUTION**

- \* SAFETY FIRST !
- \* CHECK TORQUE GAUGE CALIBRATION REGULARLY
- \* USE BREAK SCALES WHEN MAKING UP LEFT HAND THREADS



SYSTEM PRESSURE



LOW TORQUE

HIGH TORQUE



[www.PetroRigs.com](http://www.PetroRigs.com)

CLAMPING FORCE INCREASE



TORQUE/FORCE INCREASE



-- CAUTION --

SET CLAMP CONTROL TO MINIMUM AFTER USE.

-- PROCEDURE --

- 1) SET TORQUE CONTROL TO MINIMUM.
- 2) ADJUST CLAMP CONTROL TO DESIRED FORCE.
- 3) TORQUE CONNECTION WITH TORQUE CONTROL.



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1000150-1000

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SYSTEM PRESSURE



LOW TORQUE



HIGH TORQUE



HEADSTOCK CYL. FEEDS  
TAILSTOCK ROTATION  
PUSH/PULL CYLINDER  
JAR PRESS

CLAMP  
BREAK  
PULL  
PULL

MOTOR  
START STOP

STEADYREST SUPPORT JACKS  
SPINNER CYLINDER ROTATION

CLAMPING FORCE INCREASE

CAUTION  
SET CLAMP CONTROL TO MINIMUM AFTER THE PROCEDURE  
SET TORQUE CONTROL TO MINIMUM  
ADJUST CLAMP CONTROL TO DESIRED FORCE  
TORQUE CONNECTION WITH TORQUE CONTROL

TORQUE/FORCE INCREASE

**OUTLINE**  
WORKING WEIGHT  
5,000 LBS

CAUTION  
KEEP PERSONNEL CLEAR WHILE OPERATING BREAKOUT MACHINE. PROTECT PERSONNEL HEAVY SWAY BELT!

CAUTION  
SAFETY FIRST!  
CHECK TORQUE GAUGE CALIBRATION REGULARLY  
USE BREAK SCALES WHEN MAKING UP LEFT HAND THREADS



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ULINE

NATIONAL OILWELL VARCO  
GRIFITH  
TORQUEMASTER



MOTOR

START STOP

A black rectangular control panel with two buttons. The left button is black and labeled 'START'. The right button is red with a black center and labeled 'STOP'. The word 'MOTOR' is printed above the buttons.

STEADYREST SUPPORT JACKS

SPINNER CYLINDER ROTATION

LOWER LOWER LOWER LOWER LOWER UNCLAMP

RAISE RAISE RAISE RAISE RAISE CLAMP

A black control panel with two main sections. The left section is titled 'STEADYREST SUPPORT JACKS' and contains five vertical sliders, each with 'LOWER' at the top and 'RAISE' at the bottom. The right section is titled 'SPINNER CYLINDER ROTATION' and contains two vertical sliders, one labeled 'UNCLAMP' at the top and 'CLAMP' at the bottom, and a central rotary knob with a counter-clockwise arrow at the top and a clockwise arrow at the bottom. A yellow fabric strap is visible on the left side of the panel.

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**NOV**

NATIONAL  
OILWELL  
VARCO

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480 V

22 1/2 A

3 Ph

60 Hz

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Ser 100655208

Mod Dura Peg

RPM 1760

HP 20

KW 15

Type TEFC

Fr 256TC