



Peck-O-Matic™

Model 637, 640, 814 and 821 Bucking Units

Peck-O-Matic™ bucking units are world renowned for their durability and reliability in providing continuous turn make and break operations. Used in a shop environment, these units are built for speed and efficiency and can be relied upon to perform in the most demanding conditions.

NOV Gill offers a complete line of continuous turn bucking units that provide the most precise and efficient means of achieving proper connection make-up and break-out operations.

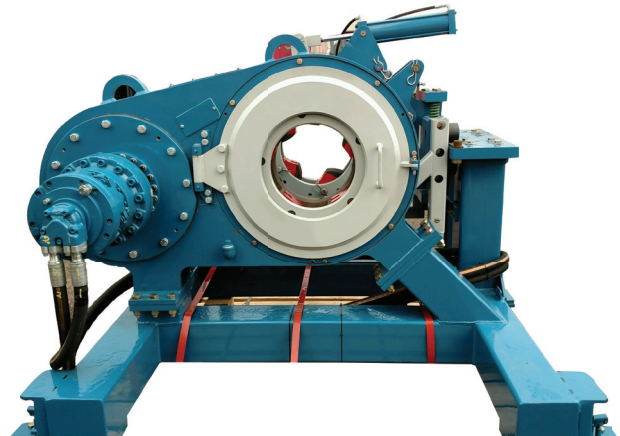
Peck-O-Matic bucking units cover the entire range of pipe and couplings from 1½ - 21 in. OD. All units feature an efficient closed head design, a contamination-free oil bath lubrication system and precise torque control. Standard units are available in either skid or frame mounted varieties, and come complete with a hydraulic power unit and control console enabling safe and efficient operation by one person.

Torque monitoring is available in three options with varying levels of system control:

- Hydraulic Torque Gauge complete with Torque Link – Offers torque measurement via a hydraulic torque gauge. All system rotation and torque control is performed by the operator.
- Digital Gauge complete with a Load Cell – Offers accurate torque measurement through a load cell and digital gauge combination. All system rotation and control performed by the operator.
- Computer Analyzed Torque/Turn/Time System complete with a Load Cell – Offers accurate torque measurement and the most precise monitoring, controlling and recording of the bucking process. The computer enables the operator to set the min/max and desired torque for each connection. When the desired torque is reached, a dump-valve will activate and stop the unit from turning. The computer will generate torque/turn/time graph for each connection and can be stored for future reference.

Features and benefits

- **Safe and Easy to Use** – Can be safely and efficiently operated by one person.
- **Increased Efficiency** – Provides fast and accurate make/break capabilities that will increase production.
- **Precise Control** – High and low gear settings offer precise control of RPM and torque to minimize the potential of thread damage.
- **Reliable** – Tough yet simple design has been field proven through over 40 years of use in the most demanding conditions.
- **Adjustable Height** – Standard manual jacks or automatic lift system upgrade available on all skids and frame mounted units to accommodate for varying pipe sizes, leveling the unit on uneven terrain and ensuring proper alignment with the pipe handling systems.
- **Modular and Customizable** – Can be supplied with a selection of torque monitoring options and is as offered in customizable configurations to meet the unique requirements of our customers.
- **Multiple Grip Options** – Jaw and insert combinations are available in standard or fine diamond-point teeth as well as low-marking or non-marking options.



Model number	Model 637	Model 640	Model 821	Model 814
OD range	1 ⁵ / ₁₆ - 7 ⁵ / ₈ in.	1 ⁵ / ₁₆ - 7 ⁵ / ₈ in.	2 ³ / ₈ - 17 in.	3 ¹ / ₈ - 21 in.
Minimum torque	300 ft-lb	300 ft-lb	4,000 ft-lb	5,000 ft-lb
Maximum torque	11,000 ft-lb	16,000 ft-lb	75,000 ft-lb	100,000 ft-lb
Maximum RPM - high gear	166 RPM	48 RPM	20 RPM	15 RPM
Maximum RPM - low gear	13 RPM	15 RPM	10 RPM	8 RPM
Pipe Size Range (Max OD)	1 ⁵ / ₁₆ - 6 ⁵ / ₈ in. Pipe (7 ⁵ / ₈ in. OD Max)	1 ⁵ / ₁₆ - 6 ⁵ / ₈ in. Pipe (7 ⁵ / ₈ in. OD Max)	2 ³ / ₈ - 16 in. Pipe (17 in. OD Max)	4 ¹ / ₂ - 20 in. Pipe (21 in. OD Max)