

NOV Gill Services Handling Tools




SERVI

A close-up photograph of a piece of industrial machinery. The main body is painted a vibrant blue, and a prominent yellow horizontal beam is visible. The word 'Still' is printed in a large, white, cursive font on the blue surface. Below it, 'ICES INC.' is printed in a smaller, white, sans-serif font. Several blue bolts and nuts are visible on the machinery's surface.

Still
ICES INC.

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Model 500, 600, and 700 power tubing tong

- Size range: 1 $\frac{5}{16}$ – 10 $\frac{3}{4}$ in.
- Speed: allows joint make-up in as little as 5 seconds and break-out in 7 seconds
- Split guide ring: provides easier and safer access to jaws and final drive gear components

Model	Hi gear	Low gear
500 torque at 2,000 psi	1,300 ft-lb	6,000 ft-lb
500HT torque at 2,000 psi	1,700 ft-lb	8,000 ft-lb
600 torque at 2,000 psi	1,950 ft-lb	12,000 ft-lb
600HT torque at 2,000 psi	2,500 ft-lb	15,000 ft-lb
700 torque at 2,000 psi	3,000 ft-lb	20,000 ft-lb

Model 300 features

Range	Torque at 2,000 psi	Combined	Speed at 25 GPM
5/8-1 $\frac{1}{8}$ in.	Hi gear: 1,000 ft-lb Low gear: 1,400 ft-lb	2,400 ft-lb	Hi gear: 95 RPM Low gear: 23 RPM





Model 450 and model 550 tubing tong

- Safety door: operational lock-out device prevents tong from operating with door open
- Load-bearing door minimizes case-spreading effect
- Flip-top lid allows easy access to brake band
- Three-jaw power backup for greater safety (optional)
- Gear-driven, chainless design
- Proven planetary gear transmission

Model 450 features

Range	Torque at 2,000 psi	Speed at 35 GPM
1.315-4.5 in.	Low gear: 5,440 ft-lb	Hi gear: 96 RPM Low gear: 27 RPM

Model 550 features

Range	Torque at 2,000 psi	Speed at 35 GPM
1.315-4.5 in.	Low gear: 7,000 ft-lb	Hi gear: 96 RPM Low gear: 27 RPM





Torque-Tite cathead

The Torque-Tite Model 166B and 66S catheads are fully enclosed with clutches built inside the cathead itself. The make-up cathead has a 19 1/2-in. friction facing, giving the cathead 155 sq. in. of friction surface. The breakout cathead has 16 in. friction facings and three friction surfaces, giving it 366 sq. in. of friction surface. Size range: 1 5/16 – 10 3/4 in.

- Drums are mounted on a floating, non-rotating sleeve. Bearings are built with exact alignment, eliminating chatter
- There are no adjustments on Torque-Tite catheads, but spacers are available and may be installed after facings have worn

Power units

Gill Services, Inc. manufactures various styles of power units, which are all custom-made according to customer needs, including the following:

- Explosion-proof units
- Diesel-operated power units
- Oilfield skid-mounted

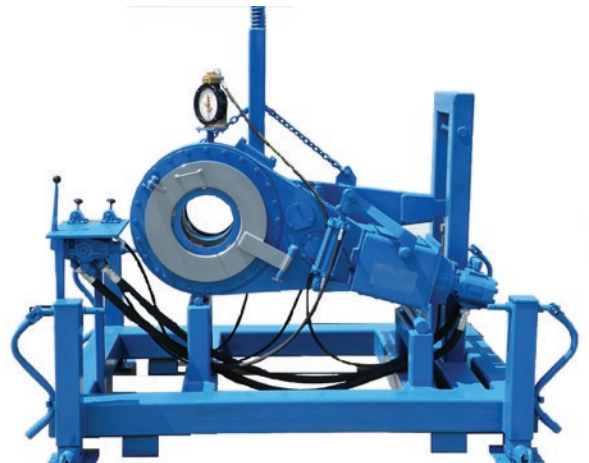




Bucking Units

- Manual leveling jack to change centerline of pipe
- Air shift for high and low operation
- Air shift for back-up to engage jaws
- Wide jaw floating back-up
- Electronic shift of 2-speed hydraulic motor for high and low operations
- Back-up tool mounted on roller frame
- Model 500-700: Hydraulic load cell to register torque applied to pipe
- Model 800: Electronic load cell to register torque applied to pipe

Bucking unit	Range	Maximum torque rating
Model 500	1¼ – 6½ in. pipe (7 in. optional)	8,000 ft-lb
Model 600	2¾ – 6½ in. pipe (7 in. optional)	15,000 ft-lb
Model 700	2¾ – 10¾ in. pipe (11¾ in. OD)	20,000 ft-lb
Model 800	4½ – 16 in. pipe (17 in. OD)	57,000 ft-lb



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