

Eckel® 4½ UHT-13

Tube Tong 1.050 in. - 4½ in.

Maximum Torque 8,500 ft-lbs (11524 Nm)



The Model 4½ UHT-13 is a rugged, lightweight tong capable of providing 8,500 ft-lb of torque at 2,500 PSI. The tong will handle pipe from 1.050 inches to 4½ inches. A notable feature is the Eckel patented quick-change sliding head biting system that compensates for worn or under gauge pipe. Our patent-pending CASE STIFFENER technology enhances overall torque to provide consistent torque output. Having a high full 360° rotational torque ensures the tong can make up special torque-turn connections that require continuous rotation. Also, the CASE STIFFENER technology reduces stress and wear on the rotary gear teeth.

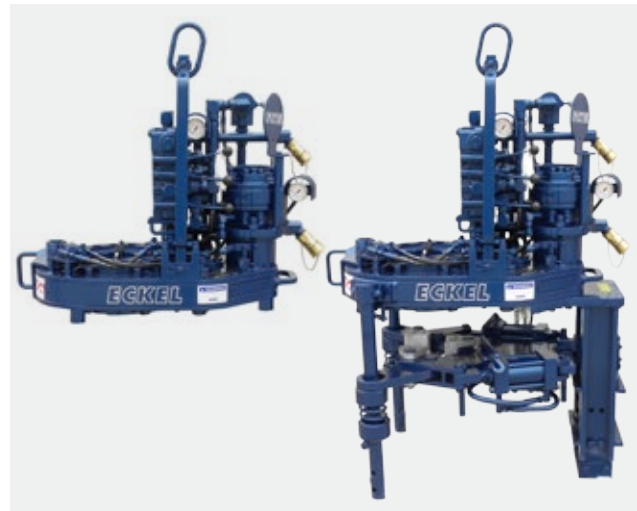
Options include manual backup or Tri-Grip® hydraulic backups. Slide heads with rig dies are available on the UHT-20 for handling drill pipe tool joints. Also, available with an optional rod package for sizes ¾ inch through 1½ inches and your choice of manual type or hydraulic type backups.

Features

- Maximum Torque:
8,500 ft-lbs (11524 Nm)
- Case Stiffener Technology Enhanced
- Two Speed Gear Train
- Quick Changing Sliding Heads
- Self Aligning Throat
- Drop-in Style Bracket/Mount Shaft Encoder
- Chain Bridle or Solid Hanger
- Radial Lock Door
- Wrap-Around Dies or Rig Dies:
Steel Fine Tooth / Coarse Tooth
True Grit® Non-Marking dies

Options

- Tri-Grip® Backup (Compression or Tension)
- RPM Control
- In-line Electronic Dump Valve
- Open/Close Center Convertible Control Valve
- Torque Turn Control System
- Door Interlock
- Lift Cylinder
- Spring Hanger



TONG SPECIFICATIONS

Capacity	1.050 - 4½ in. (26.7 - 114.3 mm)
Rod Size	¾ - 1½ in. (15.9 - 28.6 mm)
Dimensions	23.5 x 42.5 in. (596.9 x 1079.5 mm)
Weight ^[1]	900 lb. (408.2 kg)
Maximum Torque @ 2,000 PSI (138 bar)	
High:	2,000 ft-lb (2712 Nm)
Low:	7,000 ft-lb (9491 Nm)
Maximum Torque @ 2,500 psi (172 bar)	
High	2,500 ft-lb (3390 Nm)
Low	8,500 ft-lb (11524 Nm)
Maximum RPM @ 65 GPM (246 LPM)	
High:	191 rpm
Low:	49 rpm
Maximum RPM @ 50 GPM (189 LPM)	
High:	147 rpm
Low:	38 rpm
Maximum RPM @ 40 GPM (151 LPM)	
High:	117 rpm
Low:	30 rpm
Handle Length	24 in. (609.6 mm)
Certifications	CE or DNV Optional

BACKUP SPECIFICATIONS

Backup Type	Tri-Grip® Backup
Capacity	1.050 - 5½ in. (26.7 - 141.3 mm)
Dimensions ^[2]	28.5 x 45 in. (723.9 x 1143.0 mm)
Weight ^{[1] [2]}	1,800 lb. (816.5 kg)
Load Cell Type	Compression or Tension
Handle Length ^[2]	25 in. (635.05 mm)

^[1] Weight Approximate, ^[2] Tong and Backup

RELIABLE. SAFE. EFFICIENT. TRUSTED.

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