

# Eckel® 4½ UHT-20

Tubing Tong 1.050 in. - 4½ in.

Maximum Torque 12,000 ft-lbs (16270 Nm)



Lightweight and rugged the 4½ UHT-20 provides 12,000 ft-lb of torque. A notable feature quick-change sliding head biting system that compensates for worn or under gauge pipe. Our **patented CASE STIFFENER** technology enhances overall torque to provide consistent torque output. Having a high full 360° rotational torque capability ensures the tong can makeup special torque-turn connections that require continuous rotation. Also, the CASE STIFFENER technology reduces stress and wear on the rotary gear teeth.

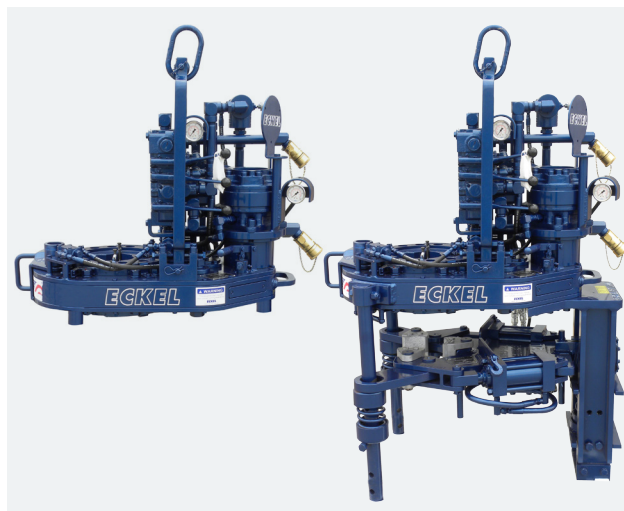
Options include manual backup or Tri-Grip® hydraulic backups. Slide heads with rig dies are available on the UHT-20 for handling drill pipe tool joints.

## Features

- Maximum Torque:  
12,000 ft-lbs (16270 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
- Drill Pipe Capable

## 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	⅝ - 1⅞ in. (15.9 - 28.6 mm)
Dimensions	21.5 x 45 in. (546.1 x 1143 mm)
Weight <sup>[1]</sup>	800 lb. (362.9 kg)
Maximum Torque @ 1,470 PSI (101.4 bar)	
High	2,300 ft-lb (3118 Nm)
Low	8,000 ft-lb (10847 Nm)
Maximum Torque @ 2,000 PSI (138 bar)	
High	2,600 ft-lb (3525 Nm)
Low	10,000 ft-lb (13558 Nm)
Maximum Torque @ 2,500 PSI (172 bar)	
High	3,000 ft-lb (4067 Nm)
Low	12,000 ft-lb (16270 Nm)
Maximum RPM @ 65 GPM (246 LPM)	
High:	124 rpm
Low:	32 rpm
Maximum RPM @ 50 GPM (189 LPM)	
High:	95 rpm
Low:	25 rpm
Maximum RPM @ 40 GPM (151 LPM)	
High:	76 rpm
Low:	20 rpm
Handle Length	24 in. (609.6 mm)
Certifications	CE or DNV Optional

## BACKUP SPECIFICATIONS

Backup Type	Tri-Grip® Backup
Capacity	1.050 - 5⅞ in. (26.7 - 141.3 mm)
Dimensions <sup>[2]</sup>	28 x 45 in. (711.2 x 1143 mm)
Weight <sup>[1] [2]</sup>	1,550 lb. (703.1 kg)
Load Cell Type	Compression or Tension
Handle Length <sup>[2]</sup>	25 in. (635.05 mm)

<sup>[1]</sup> Weight Approximate, <sup>[2]</sup> Tong and Backup

**RELIABLE. SAFE. EFFICIENT. TRUSTED.**