

# Eckel® 5½ HS® UHT (Model E)

Casing / Drill Pipe Tong 2¼ - 5½ in.  
Maximum Torque 32,000 ft-lbs (43386 Nm)



The all-new **Model 5½ HS UHT (Model E)** tong provides world-class performance for today's premium tubing, casing, and drill pipe connections. A redesigned and enhanced gear train along with CASE STIFFENER technology offers a maximum torque of 32,000 ft-lbs. The Eckel 5½ HS UHT Tong open throat design provides exceptional gripping capabilities on all sizes from 2¼ - 5½ in. (52.4 - 139.7) in diameter and with the optional **WD Tri-Grip®** Backup sizes from 2¼ - 6½ in. (52.4 - 165.1 mm).

Our patent-pending CASE STIFFENER technology enhances overall torque to provide consistent torque output. Having a high full 360° rotational torque and speed-shifting capability 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. A two-speed Hydra-Shift® motor is coupled with a two-speed gear train to provide (4) torque levels and (4) RPM speeds allowing unprecedented control of the connection. An optional WD Tri-Grip® hydraulic backup is available.



## Features

- Maximum Torque: 32,000 ft-lbs (43386 Nm)
- Flexible Choice of Torque & RPM with Hydra-Shift® Motor and Two Speed Gear Train, (4) Torque Levels / (4) RPM Speeds
- Tong Enhanced with Case Stiffener Technology
- Quick Changing Sliding Heads
- Self Aligning Throat
- Drop-in Style Bracket/Mount Shaft Encoder
- Chain Bridle or Solid Hanger
- Drill Pipe Capable
- Wrap-Around Dies or Rig Dies: Steel Fine Tooth / Coarse Tooth, **True Grit®** Non-Marking dies

## Options

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

## TONG SPECIFICATIONS

Capacity	2¼ - 5½ in. (52.4 - 139.7 mm)
Dimensions	32 x 54 in. (812.8 x 1371.6 mm)
Weight <sup>[1]</sup>	1,900 lb. (861.8 kg)
Handle Length	32.5 in. (825.5 mm)
Certifications	CE or DNV Optional
Maximum Torque @ 2,500 psi (172 bar)	
High-High	3,900 ft-lbs (5287.7 Nm)
High-Low	7,800 ft-lbs (10575.4 Nm)
Low-High	17,500 ft-lbs (23726.8 Nm)
Low-Low	32,000 ft-lbs (43386 Nm)
Maximum RPM @ 65 GPM (246 LPM)	
High-High	104 rpm
High-Low	52 rpm
Low-High	20 rpm
Low-Low	10 rpm

## BACKUP SPECIFICATIONS

Backup Type	Wedge Drive Tri-Grip Backup
Capacity	2¼ - 6½ in. (52.4 - 165.1 mm)
Dimensions <sup>[2]</sup>	34.5 x 56 in. (876.3 x 1422.4 mm)
Weight <sup>[1] [2]</sup>	3,000 lb. (1360.8 kg)
Load Cell Type	Compression or Tension
Handle Length <sup>[2]</sup>	32.5 in. (825.5 mm)

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

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

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