

# Eckel® 3500 Hydra-Shift® DTT

Tubing Tong 1.050 in. - 3 1/2 in.  
Maximum Torque 7,000 ft-lbs (9491 Nm)



The Eckel® 3500 Hydra-Shift® DTT (Dual Tubing Tong) Hydra-Shift® provides fast, easy running on dual strings of 3 1/2 inch or smaller tubing. It grabs from the side or head-on. Torque it up! This tong is Eckel tough. Speed shifting is no problem, thanks to a patented Hydra-Shift® concept that eliminates clutching.

This tong incorporates Eckel's Hydra-Shift® technology for smooth transfers of power and speed directly to the tubular. This tong additionally includes Eckel's Radial Lock Door technology. If you are looking for a tong for this lighter type of work, look no further.

## Features

- Maximum Torque:  
7,000 ft-lbs (9491 Nm)
- Hydra-Shift® Speed Shifting
- No Clutching
- Quick Changing Sliding Heads
- Self Aligning Throat
- Drop-in Style Bracket/Mount Shaft Encoder
- Chain Bridle
- Wrap-Around Dies or Rig Dies:  
Steel Fine Tooth / Coarse Tooth  
**True Grit®** Non-Marking dies

## Options

- Wedge Drive Tri-Grip® Backup
- Door Interlock
- Lift Cylinder
- Spring Hanger



## TONG SPECIFICATIONS

Capacity	1.050 - 3 1/2 in. (26.7 - 88.9 mm)
Dimensions	13.5 x 32 in (342.9 x 812.8 mm)
Weight <sup>[1]</sup>	800 lb. (362.9 kg)
Maximum Torque @ 2,500 psi (172 bar)	
Low	7,000 ft-lb (9491 Nm)
High	3,500 ft-lb (4745 Nm)
Maximum RPM @ 40 GPM (152 LPM)	
High: 65 rpm	65 rpm
Low	30 rpm
Optional RPM Control	
High	5 rpm
Low	2.5 rpm
Gear Ratio	19.8:1
Handle Length	24 in. (609.6 mm)
Certifications	CE or DNV Optional

## BACKUP SPECIFICATIONS

Backup Type	Wedge Drive Tri-Grip® Backup
Capacity	1.050 - 4 1/2 in. (26.7 - 114.3 mm)
Dimensions <sup>[2]</sup>	21 x 34.5 in. (533.4 x 876.3 mm)
Weight <sup>[1] [2]</sup>	1,375 lb. (623.7 kg)
Load Cell Type	Compression or Tension
Handle Length <sup>[2]</sup>	24.5 in. (622.3 mm)

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

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

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