

# Eckel® 30 Hydra-Shift®

Casing Tong 14 - 30 in.

Maximum Torque 130,000 ft-lbs (176256.3 Nm)



The Eckel Model 30 Hydra-Shift® features a two-speed motor with two-speed gear train, producing 130,000 ft-lb of torque in low-low, at 2,500 psi. Weighing 9,000 pounds, this tong easily handles ultra-heavy casing strings from 14 inches to 30 inches.

## Features

- Maximum Torque: 130,000 ft-lbs (176256.3 Nm)
- Flexible Choice of Torque & RPM with Hydra-Shift® Motor and Two Speed Gear Train, (4) Torque Levels / (4) RPM Speeds
- Two Speed Gear Train
- Self Aligning Throat
- Drop-in Style Bracket/Mount Shaft Encoder
- Chain Bridle or Solid Hanger
- Wrap-Around Dies or Rig Dies: Steel Fine Tooth / Coarse Tooth



## Options

- 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	14 - 30 in. (355.6 - 762.0 mm)
Dimensions	68 x 107 in. (1727.2 x 2717.8 mm)
Weight <sup>[1]</sup>	9,000 lb. (4082.3 kg)
Maximum Torque @ 2,500 psi (172 bar)	
High-High	6,800 ft-lb (9219.6 Nm)
High-Low	24,000 ft-lb (32539.6 Nm)
Low-High	44,750 ft-lb (60672.9 Nm)
Low-Low	130,000 ft-lb (176256.3 Nm)
Maximum RPM @ 60 GPM (227 LPM)	
High-High	28.5 rpm
High-Low	11 rpm
Low-High	5.5 rpm
Low-Low	2 rpm
Maximum RPM @ 65 GPM (246 LPM)	
High-High	31
High-Low	12
Low-High	6
Low-Low	2.4
Maximum RPM @ 80 GPM (303 LPM)	
High-High	38 rpm
High-Low	14.5 rpm
Low-High	7.5 rpm
Low-Low	3 rpm
Handle Length	66.5 in. (1689.1 mm)
Certifications	CE or DNV Optional

<sup>[1]</sup> Weight Approximate

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

sales@eckel.com | www.eckel.com

21059

© 2021 Eckel. All rights reserved. For more information, contact Eckel at sales@eckel.com. Specifications are subject to change without notice. Eckel products named herein may be protected by one or more U.S. and/or foreign patents and patent pending applications. Unless noted otherwise, trademarks herein are the property of Eckel Manufacturing Co., Inc. and may be registered in the United States and/or other countries.