

# Eckel® 14 HS-60 with Space Saver® Technology

Casing Tong 4 - 14 in.

Maximum Torque 60,000 ft-lbs (47454 Nm)

New for 2020, the Eckel Model 14 HS-60 handles pipe from 4 inches to 14 inches while delivering 60,000 ft-lb of torque in low-speed, low-gear. The tong includes two highly popular technologies Hydra-Shift® speed-shifting and a touchless Space Saver® door.

A two-speed Hydra-Shift motor is coupled with a two-speed gear train to provide (4) torque levels and (4) RPM speeds, allowing remarkable control of the connection while providing a very smooth and high integrity connection.

Available with Eckel's ever-popular touchless Space Saver door technology that hydraulically opens vertically. This significantly improves crew safety, speed of operation, and tong performance.

## Features

- Maximum Torque: 60,000 ft-lbs (81349 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
- Space Saver® Door - reduced operational footprint\* for tong while providing touchless door operation that greatly enhances safety.
- Safety enhanced design with integrated door interlock located within tong body for added protection.
- Space Saver® Door technology and Case Stiffener technology are covered by one more U.S. and/or foreign patents and pending applications.
- 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

\* No increase in tong length with door open.

## Options

- WD Tri-Grip® Backup with adjustable gripping pressure for smaller sized tubulars
- RPM Control
- Torque Turn Control System
- In-line Electronic Dump Valve
- Open/Close Center - Convertible Control Valve
- Lift Cylinder and Spring Hanger



## TONG SPECIFICATIONS

Capacity	4 - 14 in. (101.6 - 355.6 mm)
Dimensions	39.5 x 63.5 in. (1003.3 x 1612.9 mm)
Weight <sup>[1]</sup>	2,750 lb. (1247.4 kg)
Maximum Torque @ 2,500 psi (172 bar)	
High-High	4,750 ft-lb (6440 Nm)
High-Low	9,500 ft-lb (12880 Nm)
Low-High	30,000 ft-lb (40675 Nm)
Low-Low	60,000 ft-lb (81349 Nm)
Maximum RPM @ 65 GPM (246 LPM)	
High-High	75 rpm
High-Low	38 rpm
Low-High	11 rpm
Low-Low	5.5 rpm
Handle Length	40.5 in. (1028.7 mm)
Certifications	CE or DNV Optional

## BACKUP SPECIFICATIONS

Backup Type	Wedge Drive Tri-Grip Backup
Capacity	4 - 15 in. (101.6 - 381.0 mm)
Dimensions <sup>[2]</sup>	44.5 x 68 in. (1130.3 x 1727.2 mm)
Weight <sup>[1] [2]</sup>	4,800 lb. (2177.2 kg)
Load Cell Type	Compression or Tension
Handle Length <sup>[2]</sup>	40.5 in. (1028.7 mm)

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

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