

Eckel® 14 Hydra-Shift®

Casing Tong 4 - 14 in.

Maximum Torque 35,000 ft-lbs (47454 Nm)



The Eckel Model 14 Hydra-Shift® handles pipe from 4 inches to 14 inches and incorporates the Hydra-Shift® technology, which provides a smoother operation with a wide selection of torque/RPM's that are available to the operator. The 14 Hydra-Shift® is capable of delivering 35,000 ft-lb of torque in low-speed, low-gear.

Features

- Maximum Torque: 35,000 ft-lbs (47454 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	4 - 14 in. (101.6 - 355.6 mm)
Dimensions	36 x 66.5 in. (914.4 x 1612.9 mm)
Weight ^[1]	2,180 lb. (988.8 kg)
Maximum Torque @ 2,500 psi (172 bar)	
High-High	5,500 ft-lb (7457 Nm)
High-Low	11,000 ft-lb (14914 Nm)
Low-High	17,500 ft-lb (23727 Nm)
Low-Low	35,000 ft-lb (47454 Nm)
Maximum RPM @ 65 GPM (246 LPM)	
High-High	80 rpm
High-Low	42 rpm
Low-High	22 rpm
Low-Low	11 rpm
Handle Length	35.5 in. (901.7 mm)
Certifications	CE or DNV Optional

BACKUP SPECIFICATIONS

Backup Type	Tri-Grip Backup
Capacity	4 - 15 in. (101.6 - 381.0 mm)
Dimensions ^[2]	45 x 63½ in. (1143 x 1612.0 mm)
Weight ^{[1] [2]}	4,250 lb. (1927.7 kg)
Load Cell Type	Compression or Tension
Handle Length ^[2]	36.5 in. (927.1 mm)

^[1] Weight Approximate, ^[2] Tong and Backup

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