

# Eckel® 22 Hydra-Shift®

Casing Tong 7 in. - 22 in.

Maximum Torque 80,000 ft-lbs (108465.4 Nm)



For casing up to 22 inches, here's a tong that has strong torquing ability and pipe sizes down to 7 inch. Utilizing a two-speed motor and a two-speed gear train allows the operator to correctly adjust the tong for the optimum torque and rpm required. Maximum torque for the 22 Hydra-Shift® is 80,000 ft-lb.

## Features

- Maximum Torque:  
80,000 ft-lbs (108465.4 Nm)
- Flexible Choice of Torque & RPM with Hydra-Shift® Motor and Two Speed Gear Train, (4) Torque Levels / (4) RPM Speeds
- Self Aligning Throat
- Drop-in Style Bracket/Mount Shaft Encoder
- Radial Lock Door
- Chain Bridle or Solid Hanger
- Wrap-Around Dies or Rig Dies:  
Steel Fine Tooth / Coarse Tooth

## Options

- Wedge Drive Tri-Grip® Hydraulic Backup
- Torque Gauge (Tension or Compression)
- Torque Turn Control System
- In-line Electronic Dump Valve
- Open/Close Center Convertible Control Valve
- RPM Control
- Door Interlock
- Lift Cylinder
- Spring Hanger



## TONG SPECIFICATIONS

Capacity	7 - 22 in. (177.8 - 558.8 mm)
Dimensions	47 x 75 in. (1193.8 x 1905.0 mm)
Weight <sup>[1]</sup>	4,375 lb. (1984.5 kg)
Maximum Torque @ 2,700 psi (186 bar)	
High-High	6,000 ft-lb (8134.9 Nm)
High-Low	12,000 ft-lb (16269.8 Nm)
Low-High	40,000 ft-lb (54232.7 Nm)
Low-Low	80,000 ft-lb (108465.4 Nm)
Maximum RPM @ 60 GPM (227 LPM)	
High-High	54 rpm
High-Low	33 rpm
Low-High	8.5 rpm
Low-Low	4.5 rpm
Handle Length	45 in. (1143.0 mm)
Certifications	CE or DNV Optional

## BACKUP SPECIFICATIONS

Backup Type	Wedge Drive Tri-Grip Backup
Capacity	7 - 23 in. (177.8 - 584.2 mm)
Dimensions <sup>[2]</sup>	59 x 90 in. (1498.6 x 2286.0 mm)
Weight <sup>[1] [2]</sup>	8,000 lb. (3628.7 kg)
Load Cell Type	Compression or Tension
Handle Length <sup>[2]</sup>	45 in. (1143.0 mm)

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

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