

Eckel® 5½ Hydra-Shift® VS

Casing / Drill Pipe Tong 2¼ - 5½ in.

Maximum Torque 25,000 ft-lbs (33895 Nm)



Our 5½ Hydra-Shift® VS power tong offers the best of both worlds - compact size and big torque. This tong features our Hydra-Shift® technology, allowing the operator to easily switch from high speed to low speed without manually shifting the tong.

The optional Wedge Drive Tri-Grip® Backup provides reliable make-up and break-out of tubular connections. The WD Tri-Grip® backup uses two pivoting heads and one stationary to ensure a slip-free operation.

The 5½ HS VS offers dependable and efficient performance for a range of tubular, casing, and drill pipe applications. It also provides exceptional gripping and trouble-free operation.

- Maximum Torque:
25,000 ft-lbs (33895 Nm)
- Flexible Choice of Torque & RPM with
Hydra-Shift® Motor and Two Speed Gear
Train, (4) Torque Levels / (4) RPM Speeds
- Quick Changing Sliding Heads
- Self Aligning Throat
- Drop-in Style Bracket/Mount Shaft Encoder
- Chain Bridle or Solid Hanger
- Radial Lock Door
- Drill Pipe Capable
- Wrap-Around Dies or Rig Dies:
Steel Fine Tooth / Coarse Tooth
True Grit® Non-Marking dies

Options

- WD 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
- Certifications CE or DNV



TONG SPECIFICATIONS

Capacity	2¼ - 5½ in. (52.4 - 139.7 mm)
Dimensions	24 x 49.5 in. (609.6 x 1257.3 mm)
Weight ^[1]	1,370 lb. (621.4 kg)
Maximum Torque @ 2,000 psi (138 bar)	
High-High	1,900 ft-lb (2576 Nm)
High-Low	3,700 ft-lb (5017 Nm)
Low-High	9,200 ft-lb (12474 Nm)
Low-Low	17,600 ft-lb (23862 Nm)
Maximum Torque @ 2,500 psi (172 bar)	
High-High	2,400 ft-lb (3254 Nm)
High-Low	4,600 ft-lb (6237 Nm)
Low-High	11,000 ft-lb (14914 Nm)
Low-Low	22,000 ft-lb (29828 Nm)
Maximum Torque @ 3,000 psi (207 bar)	
High-High	2,750 ft-lbs (3389 Nm)
High-Low	5,500 ft-lbs (6236 Nm)
Low-High	12,500 ft-lbs (16948 Nm)
Low-Low	25,000 ft-lbs (33895 Nm)
Max. RPM @ 40 GPM (151 LPM)	High-High: 100, High-Low: 50
	Low-High: 18, Low-Low 9
Maxi. RPM @ 65 GPM (246 LPM)	High-High: 164, High-Low: 82
	Low-High: 30, Low-Low 15
Handle Length	28½ in. (723.9 mm)

Backup Specifications

Backup Type	Wedge Drive Tri-Grip® Backup
Capacity	2¼ - 6½ in. (52.4 - 158.8 mm)
Dimensions ^[2]	34 x 52 in. (863.6 x 1320.8 mm)
Weight ^[1]	2,570 lb. (1165.7 kg)
Load Cell Type	Compression or Tension
Handle Length ^[2]	28½ in. (723.9 mm)

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

RELIABLE. SAFE. EFFICIENT. TRUSTED.