

Eckel® 7⁵/₈ HDS-35

Casing Tong 2³/₈ - 7⁵/₈ in.

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



When applications demand a wide range of sizes, this tong handles pipe sizes 2³/₈ to 7⁵/₈ inches. The 7⁵/₈ HDS-35 uses a two-speed mechanical shift transmission in conjunction with the two-speed Hydra-Shift® motor, providing the operator a very flexible choice of working torque/RPMs during makeup or breakout. Our patent-pending CASE STIFFENER technology enhances overall torque to provide consistent torque output. Having a high full 360° rotational torque and speed-shifting capability ensures the tong can makeup special torque-turn connections that require continuous rotation. Also, the CASE STIFFENER technology reduces stress and wear on the rotary gear teeth.

Our CHROMEBOSS® series of tongs are suitable for running corrosion-resistant alloy (CRA) tubular. Two slide heads in the tong provide a constant radial load on the tubular, reduced tubular deformation, and when combined with our pyramid fine-tooth or True-Grit™ wrap-around dies, provides excellent gripping capabilities on corrosion-resistant alloy (CRA).



Features

- Maximum Torque: 35,000 ft-lbs (47453 Nm)
- Case Stiffener Technology Enhanced
- 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
- Chain Bridle or Solid Hanger
- Wrap-Around Dies or Rig Dies: Steel Fine Tooth / Coarse Tooth, **True Grit**® Non-Marking dies

Options

- Tri-Grip® Backup: Compression or Tension
- RPM Control
- Torque Turn Control System
- Door Interlock
- Lift Cylinder
- Spring Hanger

TONG SPECIFICATIONS

Capacity	2 ³ / ₈ - 7 ⁵ / ₈ in. (60.3 - 193.7 mm)
Dimensions	29 ¹ / ₂ x 56 ¹ / ₂ in. (749.3 x 1435.1 mm)
Weight ^[1]	1,725 lb. (782 kg)
Maximum Torque @ 2500 PSI (172 bar)	
High-High	3,400 ft-lb (4610 Nm)
High-Low	5,500 ft-lb (7457 Nm)
Low-High	16,000 ft-lb (21693 Nm)
Low-Low	35,000 ft-lb (47454 Nm)
Maximum RPM @ 65 GPM (246 LPM)	
High-High	110 rpm
High-Low	56 rpm
Low-High	20 rpm
Low-Low	10 rpm
Handle Length	36.5 in. (927.1 mm)
Certifications	CE or DNV Optional

BACKUP SPECIFICATIONS

Backup Type	Tri-Grip Backup
Capacity	2 ³ / ₈ - 8 ⁵ / ₈ in. (60.3 - 219.1 mm)
Dimensions ^[2]	36 ¹ / ₂ x 60 in. (927.1 x 1524.0 mm)
Weight ^[1] ^[2]	2,850 lb. (1292.7 kg)
Load Cell Type	Compression or Tension
Handle Length ^[1]	35 in. (889.0 mm)

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

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