

Eckel® 9⁷/₈ HS HT-75

Combination Casing / Drillpipe Tong 3¹/₂ in. - 9⁷/₈ in.
Maximum Torque 75,000 ft-lbs (101686.4 Nm)



High Performance

Providing a maximum torque of 75,000 ft-lbs (101686 Nm) and 50,000 ft-lbs (67790.9 Nm) continuous rotational torque, well suited for today's high torque premium casing connections. With these high torque ratings, the 9⁷/₈HS HT-75 Casing / Drillpipe Tong can more than adequately handle all premium grade tubular within its size range.

Exceptional Gripping Capabilities

The 9⁷/₈ HS HT-75 Casing Tong offers exceptional gripping capabilities handling tubular size from 3¹/₂ - 9⁷/₈ in. (88.9 - 250.8) and WD Tri-Grip® Backup size 3¹/₂ - 11 in. (88.9 - 279.4). An innovative design allows you to choose either sliding heads or pivot heads configuration upon order. Wrap-Around dies are offered, which securely encompass the tubular to limit the potential for damage. Therefore, downhole tubular connection integrity is assured.

Torque Turn Readings

Available with a two-speed Hydra-Shift® motor for smooth speed shifting without stopping. A WD Tri-Grip® Backup provides make-up and break-out of the most resilient tubular connections. These two design features provide excellent torque turn graphic readings. The two-speed gear train offers (4) Torque Levels and (4) RPM Speeds. Features



- Maximum Torque:
75,000 ft-lbs (101686.4 Nm)
- 50,000 ft-lbs (67790.9 Nm) Continuous Rotational Torque
- Flexible choice of torque & RPM with Hydra-Shift® motor and two speed gear Train, (4) Torque Levels / (4) RPM Speeds
- Drop-in Style Bracket/Mount Shaft Encoder
- Solid hanger
- Choice of sliding heads or pivot heads
- Radial Lock Door with hydraulic door actuator
- Wrap-Around dies or rig dies:
steel fine tooth / coarse tooth
True Grit® Non-Marking dies

Options

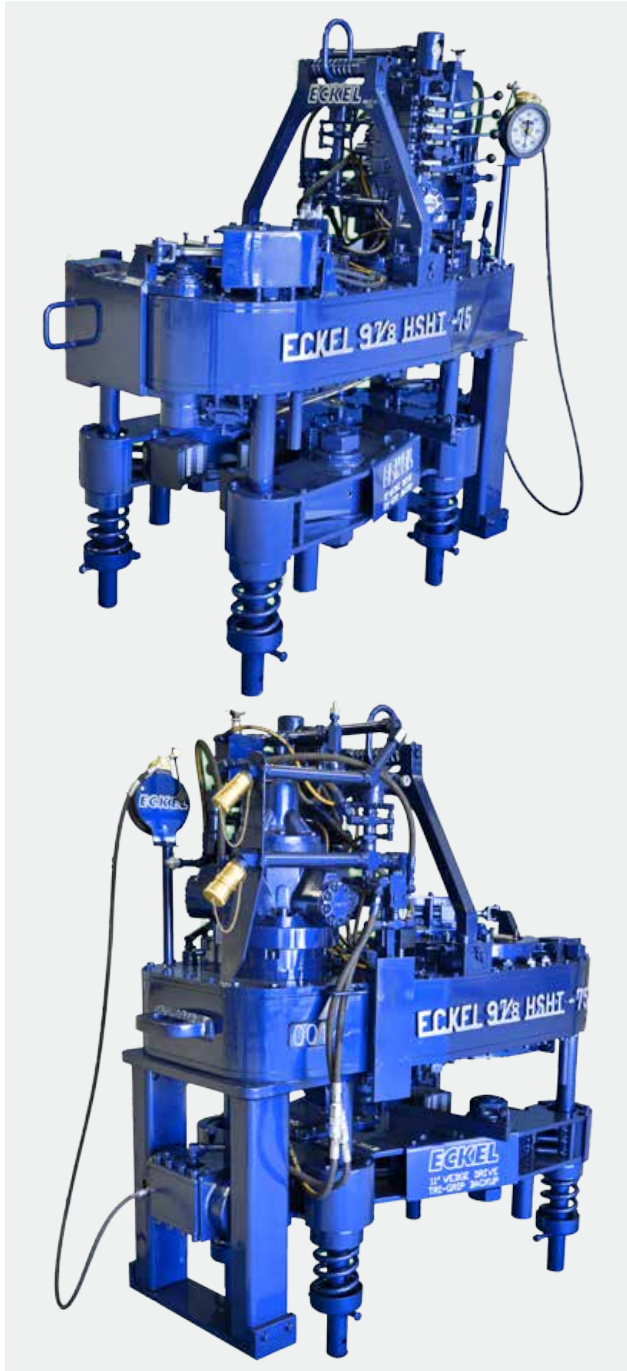
- Wedge Drive Tri-Grip® backup featuring adjustable gripping pressure for smaller sized tubulars
- RPM Control
- Torque turn control system
- In-line electronic dump valve
- Open/Closed Center convertible control valve
- Door Interlock
- Lift cylinder

RELIABLE. SAFE. EFFICIENT. TRUSTED.

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TONG SPECIFICATIONS

Capacity	3 ¹ / ₂ - 9 ⁷ / ₈ in. (88.9 - 250.8 mm)
Dimensions	34 x 73 in. (863.6 x 1854.2 mm)
Weight ^[1]	4,500 lb. (3039.1 kg)
Maximum Torque @ 2700 PSI (186 bar):	
High-High	5,500 ft-lb (7457.0 Nm)
High-Low	15,000 ft-lb (20337.3 Nm)
Low-High	29,000 ft-lb (39318.7 Nm)
Low-Low	75,000 ft-lb (101686.4 Nm)
Maximum RPM @ 65 GPM (246 LPM):	
High-High	77 rpm
High-Low	28 rpm
Low-High	12 rpm
Low-Low	4.5 rpm
Handle Length	47 ¹ / ₂ in. (1206.5)
Certifications	CE or DNV Optional

BACKUP SPECIFICATIONS

Backup Type	Wedge Drive Tri-Grip Backup
Capacity	3 ¹ / ₂ - 11 in. (88.9 - 279.4 mm)
Dimensions ^[2]	36.5 x 73 in. (927.1 x 1854.2 mm)
Weight ^[1] ^[2]	6,500 lb. (2948.4 kg)
Load Cell Type	Compression
Handle Length ^[2]	42 ¹ / ₂ in. (1079.5 mm)

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

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