



Titus Safety Torque Tubing Drain

A Titus Torque Tubing Drain is a tool typically placed in the deeper sections of your tubing string acting as a positive method of dumping the tubing string fluid, permitting the fluid level to equalize. It is simple in design using hydraulic pressure to shear brass pins that allow the tools' fluid ports to open into the casing annulus. The side ports are very large which allows for quick fluid unloading and do not act as a choke to heavy oil and sand mixtures.



Features

- Exclusive long pin end design with EUE connection for maximum bite area of power tongs.
- Eliminates use of dangerous wrenches, snipes or winch line.
- Manufactured from NACE-Spec material.
- Allows drain to be put in with optimum torque eliminated use of loctite
- Eliminates damage to EUE box end connection when removing and installing from tubing string with power tongs.
- Patent # 2,743,294.
- Specialty sizes, connections and materials available upon request.



- Available for both standard and high temperature applications
- Compact design allows rapid installation with power tongs
- Torque ring compatible when no-turn tools aren't run
- Suitable for horizontal applications
- Larger sleeve shoulder prevents sleeve from contacting the casing
- Industry leading thread treatment for prolonged run life
- Viton seals standard — others available upon request
- Calibrated brass shear screws provide consistent shear values and reduce wear on steel parts, permitting multiple reuse
- All components precisely manufactured in ISO 9001 environment
- Multiple rebuilds allowed, reducing total cost of ownership
- Pin by Pin construction

Availability / Specifications

| Thread Size | O.D. (Inches) | I.D. (Inches) | Length (Inches) | Max # of Screws | Max Shear Pressure | Shear Pressure / Screw | Neck Length |
|-------------|---------------|---------------|-----------------|-----------------|--------------------|------------------------|-------------|
| 2 3/8" EUE | 3.44" | 2.06" | 14.75" | 6/8 | 5,400/7,200psi | 900psi | 8.34" |
| 2 7/8" EUE | 3.93" | 2.45" | 14.75" | 6 | 4,800psi | 800psi | 8.34" |
| 2 7/8" EUE | 4.10" | 2.45" | 14.75" | 9 | 7,200psi | 800psi | 8.34" |
| 3 1/2" EUE | 4.50" | 2.97" | 14.75" | 6 | 4,320psi | 720psi | 8.34" |
| 3 1/2" EUE | 4.75" | 2.97" | 14.75" | 10 | 7,200psi | 720psi | 8.34" |
| 4 1/2" EUE | 5.61" | 3.96" | 15.28" | 10 | 4,350psi | 435psi | 8.59" |
| 5 1/2" EUE | 6.25" | 4.97" | 17.00" | 6 | 4,000psi | 667psi | 9.46" |



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