

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.

The Titus Safety Drain was developed with many key safety features in mind!

- The Titus Torque Tubing Drain features a patented lower profile sliding sleeve which seals against the drain ports, isolating tubing pressure from the annulus. The sleeve is held in place with Shear Screws. By applying a predetermined pressure to the inside of the tubing, the screws shear and the sleeve shifts. Once shifted, the sleeve permanently opens the ports which provides a flow area equal to that of the tubing ID.
- Another key feature developed into the Titus Safety Torque Tubing Drain include an exclusive mandrel design with an extended EUE Thread, pin by pin connections to allow for power tongs to make up or break out drain when completing or servicing production wells.
- These characteristics of our new design allows for tong placement to be as user friendly as ever, eliminating damage to shifting sleeve and port face.
- The Titus Torque Tubing Drain can easily be repaired and serviced by simply replacing the shear screws and O-rings, allowing the drain to be re ran multiple times eliminating the need for costly replacement.



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Product Specifications

Tubing Size	O.D. in.	I.D. in.	Length in.
2 7/8	3.875	2.441	14.750
3 1/2	4.459	3.000	14.750
4 1/2	5.663	3.970	15.280

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.



***“LESS TIME ON THE WELL
EQUALS GREATER SAFETY
AND LESS COST.”***

- Titus Tools is fully committed to a safe work environment, quality tools, superior service and zero failures.
- This commitment will ultimately help you, our clients, reduce downtime and liability and increase your profitability.
- Look throughout the industry and you'll find Titus Tools is the standard for excellence and safety.

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