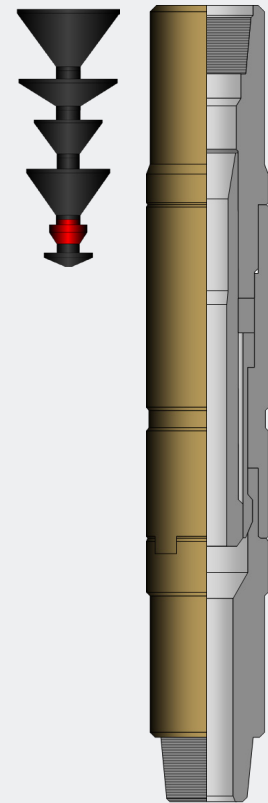


Stinger Disconnect Sub

Features and Benefits

- Heavy-duty collet release mechanism allows for extended length open hole abandonment operations
- Disconnect dart releases the work string from the stinger pipe providing fluid separation and efficient pipe cleaning
- Upper box connection can be crossed over to a multitude of work string connections
- Lower box connection can be crossed over to a wide variety of small casing or tubing to be utilized as the sacrificial stinger pipe
- Secondary release mechanism ensures the ability to release from the stinger if primary method is unsuccessful
- Secondary release available in right-hand or left-hand rotation for operational flexibility



Use in the following applications: **Deepwater and ultra-deepwater** **Shelf** **Land**

The Frank’s International Stinger Disconnect Sub improves cement plug quality in permanent well abandonments to mitigate the need for costly and hazardous remedial efforts. The sub allows a cement plug to be placed in a sidetrack or plug and abandonment (P&A) operation without the need to retrieve the stinger assembly for improved reliability and rig time savings. The Stinger Disconnect Sub has the highest tensile – holding capacity and rotational capacity currently on the market while providing the ability to disconnect from the drill pipe and leave the stinger assembly downhole to prevent the disruption and potential contamination of the cement plug after displacement.

Specifications

Model	Maximum Tensile Yield*	Maximum Torque Through Tool	Maximum Operating Pressure (PSI)	Minimum ID (IN.)	Overall Length (IN.)	Maximum Tool OD (IN.)	Stinger Disconnect Pressure (PSI)	Disconnect Dart Max. OD (IN.)	Connections	Secondary Release**	Max Flow Rate Through Tool***
DT 70	250,000 lbs (SF 1.1)	17,834 ft-lbs (SF 1.1)	10,000	2.35	47	7.00	2,500	2.50	4-1/2" IF (NC-50) Box x Pin	Right or Left Hand Rotation	20 bbl/min
DT 50	181,980 lbs (SF 1.1)	14,505 ft-lbs (SF 1.1)	10,000	1.875	36	5.00	2,500	1.95	3-1/2" IF (NC-38) Box x Pin	Right or Left Hand Rotation	13 bbl/min

* Tensile limit based on collet assembly; maximum tensile may be limited by customer-specified connections.

** Secondary release direction based on tool selection

*** Contact Frank’s International engineering if higher flow rate required