

Well Construction

Cementing Technologies

Stinger Disconnect Tool

Expro's Stinger Disconnect Tool allows for a cement plug to be placed in a sidetrack or P&A operation without the need to retrieve the stinger assembly.

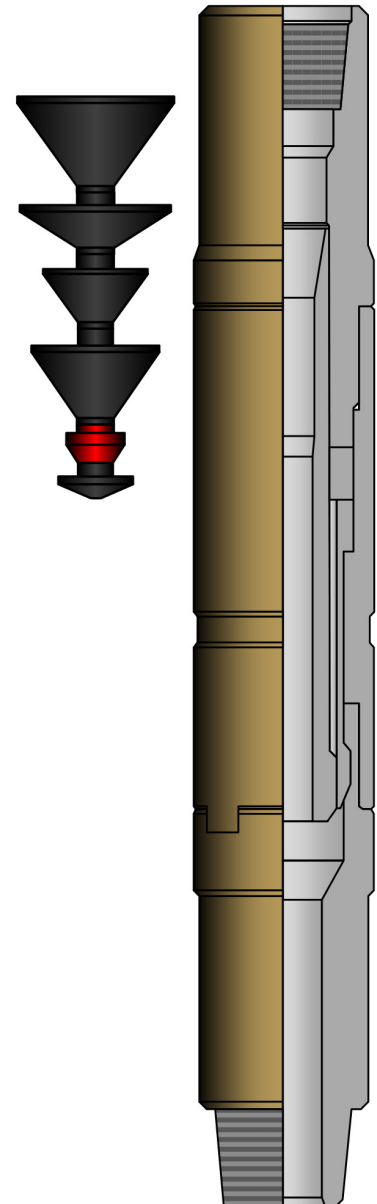
The ability to disconnect the drill pipe workstring and leave the stinger assembly downhole prevents the disruption, and potential contamination, of the cement plug after displacement. This system also features the highest tensile-holding capability available on the market.

Features

- Heavy-duty collet release mechanism can hold 250,000 lbs tensile loading
- Disconnect dart lands in, then shifts the shear tube, disconnecting the workstring from the stinger pipe
- Upper box connection can be crossed over to a multitude of workstring combinations
- Lower pin connection can be crossed over to a wide variety of small casing or tubing strings to be utilized as the sacrificial stinger pipe
- Available with either right-hand or left-hand secondary release mechanisms
- Available with PDC-drillable materials for non-permanent applications

Benefits

- Disconnecting the sacrificial pipe while in cement prevents swabbing and potential contamination of cement plug
- Fluid separation and dart indication allows for improved accuracy while placing the cement plug
- Improved cement plug quality in permanent and temporary well abandonments mitigates the need for costly and hazardous remedial efforts
- Improved precision in setting balanced plugs for sidetracking





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Specifications		
Tool name	DT70	DT50
Maximum tensile yield	250,000 lbs (SF 1.1) ¹	181,980 lbs (SF 1.1) ¹
Maximum torque through tool	17,834 ft-lb (SF 1.1)	14,505 ft-lb (SF 1.1)
Maximum operating pressure	10,000 psi	10,000 psi
Minimum ID	2.35 in	1.875 in
Overall length	47 in	36 in
Maximum tool OD	7.00 in	5.00 in
Stinger disconnect pressure	2,500 psi	2,500 psi
Disconnect dart maximum OD	2.50 in	1.95 in
Connections	4 1/2" IF (NC-50) Box x pin	3 1/2" IF (NC-38) Box x pin
Secondary release	Right or left hand rotation ²	Right or left hand rotation ²
Maximum flow rate through tool ³	20 bbl/min	13 bbl/min

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

2. Secondary release direction based on tool selection.

3. Higher flow rates are possible. Contact Expro for potential deviations.