



STINGER DISCONNECT SUB

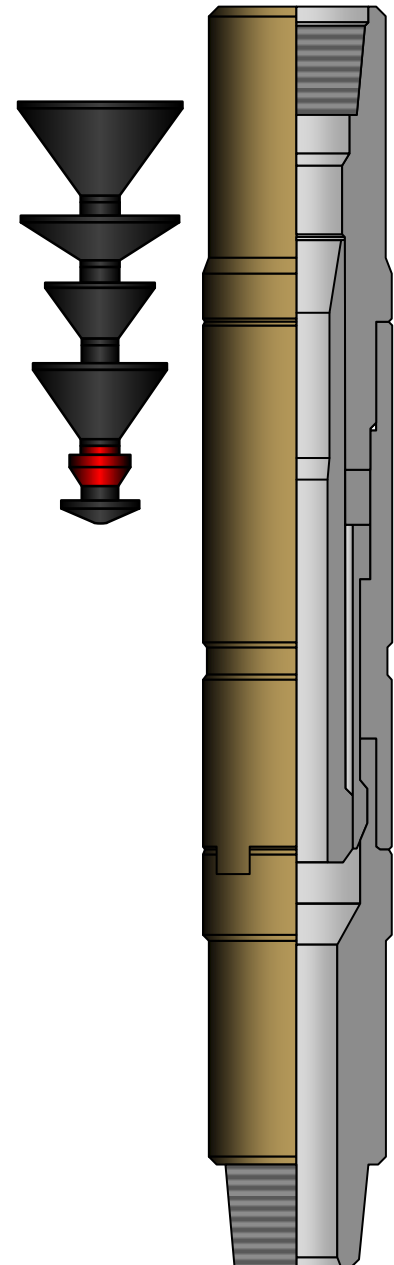
Blackhawk's Stinger Disconnect Sub allows for a cement plug to be placed in a sidetrack or P&A operation without the need to retrieve the stinger assembly. The ability to disconnect the drill pipe workstring and leave the stinger assembly downhole prevents the disruption, and potential contamination, of the cement plug after displacement. This system also features the highest tensile-holding capability available on the deepwater 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 NC-50 box connection can be crossed over to a multitude of workstring combinations.
- Lower NC-50 box connection can be crossed over to a wide variety of small casing or tubing to be utilized as the sacrificial stinger pipe.
- Available with either right-hand or left-hand secondary release mechanisms

VALUE

- 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 cement plug.
- Improved cement plug quality in permanent well abandonments mitigates the need for costly and hazardous remedial efforts.
- Improved precision in setting balanced plugs for sidetracking.



SPECIFICATIONS

Stinger Disconnect Sub	
Maximum Tensile Yield	250,000 lbs (SF 1.1)*
Maximum Torque Through Tool	17,834 ft-lb (SF 1.1)
Maximum Operating Pressure	10,000 psi
Minimum ID	2.35 in
Overall Length	47 in
Maximum Tool OD	7.00 in
Stinger Disconnect Pressure	2,500 psi
Disconnect Dart Max. OD	2.50 in
Connections	4-1/2" IF (NC-50) Box x Pin
Secondary Release	Right or Left Hand Rotation**
Max Flow Rate Through Tool	20 bbl/min

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

** Secondary release direction based on tool selection

