

FLOW & TENSION RELEASE DISCONNECT



TOOL APPLICATIONS

The Flow & Tension Disconnect provides a contingency means of releasing and recovering a stuck BHA back to surface without the need for deploying a drop ball. It is primarily used in fishing BHA's, positioned directly below impact hammers or jars.

In conjunction with a pre-determined overpull, the Flow & Tension Disconnect can be released by increasing the pump or flow rate to activate an internal piston to shear out a number of shear screws.

The upper section of the assembly will pull free from the lower section leaving a clean internal fish neck profile for subsequent retrieval.

The tool is suitable to be used during stiff wireline operations where a drop call cannot be used.

FEATURES AND BENEFITS

- Torque-thru feature
- Drop ball not required
- Standard Benoil rupture disc port
- Disconnect Sub fitted with standard GS type internal fish neck profile
- Simple, robust design ensuring ease of operation
- Hexagonal flats for safe make-up & break-out
- Corrosion resistant materials

SPECIFICATIONS

Technical Variable		Units	Size		
			1 3/4"	2 1/8"	2 7/8"
Max OD		in	1.750	2.125	2.875
Min ID		in	0.500	0.625	1.000
Connection	Top	Box	1" AMMT	1 1/2" AMMT	2 3/8" PAC DSI
	Bottom	Pin	1" AMMT	1 1/2" AMMT	2 3/8" PAC DSI
Make Up Length		in	20.48	22.32	28.77
Weight		lbs	11.27	17.95	40.76
Hydraulic	# of Screws	ea	2	1	1
	Screw Size	in	0.151	0.151	0.201
	psi/ screw	psi	1,191	704	647
Shear Disconnect	# of Screws	ea	2	3	6
	Screw Size	in	0.189	0.201	0.201
Nominal Fishing Profile		internal	1 1/2" GS	2" GS	2 1/2" GS
Working Pressure		psi	5,000	5,000	5,000
Strength	SWL	lbs	26,640	78,769	80,726
	Yield	lbs	29,600	58,521	89,696
	UTS	lbs	38,057	100,986	115,323
	Torsional	ft.lbs	951	1,387	3,000
Make Up Torque		ft.lbs	542	1,029	2,600