

SHEAR RELEASE DISCONNECT



TOOL APPLICATIONS

The Shear Release Disconnect is designed to provide a mechanical release point within a Coiled Tubing (CT) BHA.

If a CT BHA becomes inadvertently stuck down hole, an overpull will shear a predetermined number of shear screws to allow the upper section to disconnect from the lower assembly, leaving a standard GS internal type fish neck profile for future retrieval of the lower BHA section.

FEATURES AND BENEFITS

- Available in a range of sizes to suit industry standard CT diameters and BHA's
- High torque rating
- Large thru bore
- Multiple shear screw options for operational flexibility
- Short make-up length
- 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	0.437	0.625	1.120
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	11.95	13.12	16.29
Weight		lbs	6	10	16
# of Shear Screws		ea	12	12	16
Shear Rate (Bronze)		lbs	810	1,434	3,258
Shear Screw Size		in	0.151	0.201	0.302
Disconnect Drop Ball		in	0.500	0.750	1.250
Rupture Disc Range		psi	0-10,000		
Nominal Fishing Profile		internal	1 1/2" GS	2" GS	3" GS
Working Pressure		psi	10,000	10,000	10,000
Strength	SWL	lbs	47,745	72,900	106,490
	Yield	lbs	53,050	81,000	118,320
	UTS	lbs	66,310	101,250	147,900
	Torsional	ft.lbs	510	1,128	4,327
Make Up Torque		ft.lbs	333	633	2,167