

HYDRAULIC DISCONNECTS

All Hydraulic Disconnects are designed to provide a defined and controlled parting point in a bottomhole assembly. Several designs are available for specific applications. To activate the hydraulic disconnect being used, a ball is pumped and seats on an inner piston. Controlled pressure is then applied to overcome the predetermined shear pin rating allowing the tool to part, leaving the lower section downhole. All hydraulic disconnects offered have an internal fishing neck in the lower section for subsequent retrieval operations if required. All models, once sheared, have ports opened to facilitate circulation while POOH if necessary. These ports also relieve the applied pressure required for disconnect giving the operator a positive surface indication that the tool has activated. Several models are offered

All Disconnects can be set for varying release pressures depending on operations and are totally balanced during normal operating conditions.

HEAVY DUTY HYDRAULIC DISCONNECT

- FEATURES
- Leaves both internal and external Fish neck
 - Requires deep reach retrieving tool
 - Available in sizes 1 3/4" OD to 4 1/8" OD

SPECIFICATIONS

AVAILABLE SIZES (IN)	MAX. BALL SIZE (IN)	MAX. W.P. PSI	YIELD LB	MAX. REQ. TENSILE LB	TORQUE FT/LB
1 3/4"	9/16"	5000	40.000	52.000	450
2 1/8"	3/4"	5000	53.000	67.000	800
2 1/4"	7/8"	5000	73.000	92.000	1000
2 1/2"	1"	5000	77.000	96.000	1000
2 7/8"	1"	5000	120.000	144.000	1500
3 1/8"	1 1/8"	5000	180.000	144.000	1900
3 1/2"	1 1/8"	5000	180.000	215.000	3000
4 1/8"	1 1/4"	5000	240.000	288.000	4000

Note: Torque is max. recommended operation torque. All data is based on 120,000 psi material. Technical data is meant as guidelines and may change without notice.

