



PURPOSE

The Heavy Duty Disconnect is a torque through Disconnect that is released via a Drop Ball and hydraulic pressure. This Tool enables the operator to drop a Ball and pressure up in order to disengage from a fish or BHA. The Tool can handle straight pull, impact, jarring and torque loads without affecting the release mechanism.

The drop Ball lands out on a Ball Seat, when pump pressure is applied, Screws shear allowing the Release Piston to move down, releasing the Collet Fingers thus allowing the upper half of the assembly to be retrieved to surface. A standard internal Fishneck is left looking up for future retrieval operations.

The Connections on the Subs are manufactured to suit BHA requirements.

Assembly Number	1801HD168A1	1801HD212A1	1801HD287A1
OD	1-11/16"	2-1/8"	2-1/4"
Make Up Length	13-7/32"	15-21/32"	16-13/32"
Pressure Rating	5000 PSI	5000 PSI	5000 PSI
Standard Connection	1" AMMT	1-1/2" AMMT	2-3/8" PAC
Service	STD	STD	STD

Assembly Number	1801HD168A1	1801HD212A1	1801HD287A1
Components:			
Upper Release Sub	1801HD16811	1801HD21210	1801HD28711
Release Piston	1801HD16812	1801HD21211	1801HD28712
Mandrel	1801HD16813	1801HD21212	1801HD28713
Support Piston	1801HD16814	1801HD21213	1801HD28714
Collet	1801HD16815	1801HD21214	1801HD28715
Fishneck Body	1801HD16816	1801HD21215	1801HD28716
Lower Release Sub	1801HD16817	1801HD21216	1801HD28717
Bottom Sub	1801HD16810	1801HD21209	1801HD28709
O-Ring	028	031	141
O-Ring	116	128	143
O-Ring	122	131	221
O-Ring	124	133	227
O-Ring	126	214	X
Set Screw	10-32 UNF x .25	10-32 UNF x .38	10-32 UNF x .50

When ordering please specify part name and size. Call us Toll Free: 1-800-438-0061