



FDL Hydraulic Disconnect - TT0701



Description

The FDL Hydraulic Disconnect tool is essential in releasing the coil tubing from the tool string if the string has become stuck while in the wellbore. The FDL Hydraulic Disconnect is designed to achieve this requirement, but is also designed to give the ultimate resistance in tensional and torsional stresses that occur while jarring or milling.

Operation

If it becomes necessary to disconnect, a ball is pumped to the disconnect, then an increase in pump pressure allows the locking piston to shift, shearing the brass shear screws and allowing the load piston to move out from under the body collets. After a drop in the pump pressure, retrieval from the stuck string is possible. The bottom sub is the only part of the disconnect that is left in the hole and it has an internal "GS" fishing neck for future fishing procedures.

Patent # 5526888

Part Number	OD		ID		Length		Maximum Tensile Load		Maximum Torsional Yield		Fishing Profile
	in.	mm	in.	mm	in.	cm	lbf	daN	ft-lbf	N-m	
TT0701-175B	1.75	44.5	0.469	11.9	17.400	44.2	30,700	13,655	830	1,125	2 in. GS
TT0701-181B	1.813	46.1	0.469	11.9	17.400	44.2	51,500	22,907	616	835	2 in. GS
TT0701-213B	2.125	54.0	0.531	13.5	22.600	57.4	78,500	34,917	1,128	1,530	2.500 in. GS
TT0701-225B	2.250	57.2	0.531	13.5	22.600	57.4	93,300	41,500	1,770	2,400	2.500 in. GS
TT0701-288B	2.875	73.0	0.688	17.5	29.000	73.7	156,000	69,389	4,108	5,570	3 in. GS
TT0701-313B	3.125	79.4	0.688	17.5	33.000	83.8	190,000	84,512	5,678	7,699	3 in. GSFA