



Welltonic Latch Disconnect

The Welltonic Latch 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 stuck fish or BHA. The tool can handle straight pull and torque loads without affecting the release mechanism.

The Latch Disconnect consists of a Top Sub, Piston, Latch and Housing. To release, a ball is dropped to seat on the top of the piston. At a predetermined pressure the shear screws will shear allowing the piston to move down and de-support the latch. A minimal over pull is required to release the latch allowing everything, apart from the Housing to be retrieved to surface. The Housing, which is left in hole, has a standard internal GS profile looking up for retrieval at a later date.

The tool can be fitted with a burst disc in the Housing in order to re-establish circulation if required.

Features and benefits

- Torque and straight pull tolerant design
- Fully adjustable release pressure
- One piece Housing left in well on release
- Standard Internal GS profile
- Field redressable
- Large through bore

Technical Information

Tool Size	3-1/8"
End connections	2-3/8" PAC
Material	AISI 4140 (30-36 Rc)
Tensile Yield	95,000 lbs
Torsional Yield	5,200 ft.lbs
Service conn make-up Torque	2,600 ft.lbs
OD	3.125"
ID	0.813"
Length (shoulder to shoulder)	21.47"
Retrieval profile	Std. 3" Internal GS
Drop ball size	7/8" min – 1-5/16" max
Pressure rating	5,000 psi

Other Sizes available on request