

Model SS Hydraulic Liner Setting Tool

Liner Hangers & Accessories

The Model SS Hydraulic Liner Setting Tool is used primarily for running and setting the Model S series of conventional and thermal liner packers and liner hangers using conventional tubing or drill pipe.

Features

- The compact, high strength design securely locks the liner to the setting tool until the setting tool is activated and the setting procedure is complete.
- The setting tool allows rotation of the liner in order to facilitate running the liner assembly to the bottom in deviated wells or wells that are prone to sand fill.
- Circulation is possible through the setting tool and liner until the setting ball is inserted into the tubing string and lands on the ball seat. Once setting is complete, circulation between annulus and tubing through the setting tool is possible.
- The setting force at which the setting tool releases from the hanger is adjustable, in order to accommodate the use of both thermal and conventional packer elements. The setting force at which the tool begins to apply pressure to the liner packer/hanger is also adjustable in order to facilitate safe and secure running in all conditions.
- The unique design of the running dogs guards insures an easy and reliable release of the setting tool from the liner even in highly deviated wells.

Procedures

Once the Model SS Hydraulic Liner Setting Tool is made up onto the liner packer/hanger, the assembly is run into the well. Normally, the setting ball would not be run in place in order to allow circulation if necessary. The liner may be rotated to assist in getting the liner to bottom in deviated wells or to facilitate sand clean out. Once at depth, the setting ball is dropped and allowed to gravitate to the seat, or the ball may be circulated to the seat. Once the ball is seated, the tubing is pressured up against the ball. At a predetermined differential pressure, the setting tool is activated and the liner packer/hanger begins to set. The tubing pressure is generally increased in stages (important when thermal elements are used) to allow sufficient time for the element to set securely. The tubing pressure is then increased to the preset differential pressure at which the ball seat shifts downward, opening up circulation ports. At the same time, the dogs that lock the setting tool onto the liner are released and the setting tool is free to be retrieved and reused.



Model E Hydraulic Liner Setting Tool						
Liner		Casing				Product Number
Size		Size				
		O.D.		Weight Range		
in	mm	in	mm	lbs/ft	kg/m	
7	177.8	9-5/8	244.5	29.0 – 40.0	43.2 – 59.5	34-100-7095-00
				40.0 – 47.0	59.5 – 69.9	
				43.0 – 53.0	64.0 – 78.9	
		10-3/4	273.1	32.0 – 45.0	47.6 – 67.0	34-100-7017-00
45.0 – 55.0	67.0 – 81.8					
7-5/8	193.7	9-5/8	244.5	32.0 – 40.0	47.6 – 59.5	34-100-7595-00
				40.0 – 47.0	59.5 – 69.9	
		10-3/4	273.1	32.0 – 40.0	47.6 – 59.5	34-100-7517-00
				45.0 – 55.0	67.1 – 81.8	
				55.0 – 65.0	91.8 – 96.7	
8-5/8	219.1	10-3/4	273.1	32.0 – 45.0	47.6 – 67.0	34-100-8517-00
10-3/4	273.1	13-3/8	339.7	48.0 – 61.0	71.4 – 90.8	34-100-1713-00
				61.0 – 68.0	90.8 – 101.2	