

Retrievable Packers

ADL-1 Tension Packer

The ADL-1 is a large bore, tension set, retrievable packer.

Applications

- Waterflood
- Shallow or low fluid level wells with insufficient tubing weight to set compression packers

Features

- Compact
- J-slot control for normal set and release
- Shear ring secondary release
- Right-hand safety joint emergency release
- Rocker type slips
- Inexpensive
- Large bore
- Parts interchangeable with other manufacturers

Setting Procedure

Run the packer to desired setting depth, making the last movement downward. Rotate the tubing to the left one-quarter turn at the tool. Then pick-up and pack-off.

Releasing Procedure

Lower the tubing at least one foot more than is needed to remove applied tension so that the j-pin will move fully to the top of the j-slot.

Rotate the tubing to the right one-quarter turn at the packer so slips will now be in the running position. Packer can be moved to a new position and reset or it can be retrieved.

As an alternate release method, the ADL-1 Tension Packer has shear rings designed to part at tension varying from 13,000 to 100,000 lbs. The cone, packing element and guide drop down are carried out of the hole by the bottom sub.

For emergency tubing retrieval, left-hand threads on the top sub of the packer allow the tubing to be retrieved when the packer will not otherwise release.

Specification

O.D.	Casing			Packer		
	Wt.	Min.	Max.	Size	Max. O.D.	Standard Box x PIN
5-1/2"	13 - 17	4.876	5.044	5-1/2 x 2.90	4.750	3-1/2" EU 8RD
6"	23 - 26	5.140	5.240	6 x 2.90	5.000	3-1/2" EU 8RD
	18 - 20	5.241	5.424	6 x 2.90	5.218	3-1/2" EU 8RD
7"	23 - 29	6.136	6.366	7 x 4.12	5.968	4-1/2" LTC or 4-1/2" STC
	17 - 20	6.367	6.538	7 x 4.12	6.266	
8-5/8"	24 - 32	7.921	8.097	8-5/8 x 4.00	7.600	

