



WRL Production Packer

The WRL Production Packer is designed to withstand the cyclic loads placed on the packer in a rod pumping well but may be used in other production packer applications as well.

Applications

- Pumping below a casing leak
- Isolating perforations
- Down hole gas separator
- Plunger lift wells
- Gas lift wells

Special Features

- Rotation only is required to set slips, close bypass and pack off element
- After setting there is no movement in setting mechanism to cause wear
- Low torque required to pack off elements
- Easy to set and space out
- Carbide insert slips are standard for better holding
- Slips and drag springs have wider setting range to work in most casings weights
- Tubing may be landed in tension, compression or neutral
- Released by right hand rotation
- Emergency shear release

Setting Procedure

Run packer in hole using normal speed and caution when running a packer. Make sure all connections above packer are tightened to the proper torque. Lower packer to setting depth and rotate the tubing to the left until the slips engage the casing and the tubing torques up. Keep turning the tubing until there is approximately 500 ft lbs torque on the packer. This should take about 8 rounds in most cases. The casing size and weight may cause this to vary slightly. Hold torque and pick up to the desired tension to check spacing, then set weight down to work the torque down to the packer. Pull tension and set down again while holding torque, the release torque and land tubing on the wellhead.

Releasing Procedure

Remove tension from the packer and rotate to the right 8 or 10 turns and the packer should be free to move up or down. If the tubing is not turning on bottom, hold torque and work the tubing up and down to find a point where it will rotate. Do not let the tubing turn to the left while pulling out of the hole. Turning the tubing to the right occasionally will keep the packer from setting. The packer also has an emergency shear release that normally is 50,000 lbs but may be adjusted to a lower amount.

Specification Guide

Casing				Packer			Part Number
O.D.	Weight lb/ft	Min I.D.	Max I.D.	O.D.	I.D.	Thread Connection	
4½	9.5 - 13.5	3.920	4.090	3.750	2.00	2¾ EUE	WRL45
5½	14.0 - 20.0	4.778	5.012	4.640	2.38	2¾ EUE	WRL55
5½	20.0 - 23.0	4.670	4.890	4.500	2.375	2¾ EUE	WRL54
7	20.0 - 29.0	6.184	6.456	5.970	2.50	2¾ EUE	WRL70