

The Coiled Tubing Tension Packer is a tension set mechanical packer designed to be used on coiled tubing, but may also be run on conventional tubing if required. The unique design of the Coiled Tubing Packer allows the packer to be set and released without tubing rotation. The packer also incorporates a secondary adjustable shear release that may be used to unset the packer if normal releasing procedures don't work.

The packer operates on a continuous automatic J system. Each time the packer is moved down and then up in the well bore the J system automatically moves from either the running to the set position or alternately from the set to running positions. For example, when running the packer in the well if the tubing is stopped and then moved upward the packer will be in the set position and the slips will engage the casing as the packer moves up and stop the upward movement. The application of additional tension force on the tubing will cause the packer element to extrude and seal against the casing. After setting if downward movement is applied the packer element will relax and the slips will disengage from the casing and continued downward movement will automatically move the J into the running position, which will allow the packer to then be moved up the well bore without the slips engaging the casing. Following this with downward movement will again move the J back to the set position. The Coiled Tubing Packer is available with a variety of top subs to accommodate most type of coiled tubing connectors.

Coiled Tubing Tension Packer			
Casing Size	Casing Weight	Packer O.D.	Maximum I.D.
in	lbs/ft	in	in
mm	kg/m	mm	mm
4-1/2	9.5 – 13.5	3.771	1.933
114.3	14.1 – 20.1	95.8	
5-1/2	13 – 15.5	4.781	
	19.3 – 23.1	121.4	49.1
139.7	15.5 – 17	4.641	
	23.1 – 25.3	117.9	
7	17 – 20	6.266	2.441
	25.3 – 29.8	159.2	
	23 – 26	5.968	
177.8	34.2 – 38.7	154.4	62.0
	26 – 29	5.812	
	38.7 – 43.1	151.6	

