

POSI-LOCK

PRODUCT 20-433

The **TechWest Posi-Lock Packer** is a high pressure, bi-directional, retrievable packer capable of handling up to 10,000 PSI from either above or below. The packer is suited for high pressure production, injection, high pressure fracturing, acidizing, and testing applications.

The Posi-lock is a resettable, quarter turn right-hand set, right-hand release packer with secondary emergency shear release, and may be left in tension, compression or neutral.

The packer design features slips above and below the element, directing differential forces directly onto the slips. The slip system on the Posi-Lock is designed to distribute the packer forces evenly over the full range of the casing ID. The unique slip releasing system allows the slips to be released easily and smoothly, even after severe loads have been placed upon the slips

The Posi-Lock is reliable, simple to operate and is the preferred choice of mechanical set/release packer for critical and deeper wells.

FEATURES

- Right-hand Quarter turn set / release.
- Equalizing by-pass.
- Simple and reliable setting and releasing.
- Robust design for high pressure, deeper wells.
- Secondary emergency shear release.

OPERATION

Make the last motion upwards and rotate one quarter turn to the right. Set down weight and hold compression to energize elements and engage lower slips. Release torque and pick up, ensuring upper slips are fully engaged.

To release, set down weight and rotate one quarter turn to the right (opening by-pass). Upwards motion releases slips and elements and the packer may then be moved up or down hole. If the packer will not unset in the normal manner, the packer may be retrieved with the energy shear release system.



SPECIFICATIONS

20-433 SPECIFICATION GUIDE														
CASING					PACKER									
OD	Weight		I.D.		Gauge Ring		Min ID		Connection	Product Number				
in / mm	lb / ft	kg / M	in	mm	in	mm	in	mm	in / mm					
4 1/2 114.3	13.5	20.1	3.92	99.6	3.80	96.5	1.995	50.7	2 3/8 EUE	20-433-0450				
	9.5	14.1	4.09	103.9										
5 127	18	26.8	4.276	108.6	4.06	103.2	1.995	50.7	2 3/8 EUE	20-433-0500				
	15	22.3	4.408	112										
	13	19.3	4.494	114.1	4.30	107.2				20-433-0510				
	11.5	17.1	4.56	115.8										
5 1/2 139.7	26	38.7	4.548	115.5	4.30	107.2	1.995	50.7	2 3/8 EUE	20-433-0510				
	23	34.2	4.67	118.6										
	20	29.8	4.778	121.4	4.50	114.3				2.441	62	2 7/8 EUE	20-433-0560	
	17	25.3	4.892	124.3										
	17	25.3	4.892	124.3	4.64	117.9							20-433-0580	
	15.5	23.1	4.95	125.7										
5 3/4 146.1	14	20.8	5.012	127.3	4.73	120.1	2.441	62	2 7/8 EUE	20-433-0600				
	13	19.3	5.044	128.1										
6 5/8 168.3	32	47.6	5.675	144.1	5.56	141.2	2.441	62	2 7/8 EUE	20-433-0650				
	28	41.7	5.791	147.1										
	24	35.7	5.921	150.4	5.66	143.7				20-433-0660				
	20	29.8	6.049	153.6										
7 177.8	38	56.6	5.920	150.4	5.66	143.7	2.441	62	2 7/8 EUE	20-433-0660				
	35	52.1	6.004	152.5										
	32	47.6	6.094	154.8	5.88	149.2				2.441	62	2 7/8 EUE	20-433-0700	
	29	43.2	6.184	157.1										
	26	38.7	6.726	159.4	6.02	153							20-433-0710	
	23	34.2	6.366	161.7										
	20	29.8	6.456	164.0	6.23	158.2								20-433-0720
	17	25.3	6.538	166.1										
7 5/8 193.7	39	58	6.625	168.3	6.38	161.9	2.441	62	2 7/8 EUE				20-433-0750	
	33.7	50.2	6.756	171.8										
	29.7	44.2	6.875	174.6	6.63	168.3				20-433-0760				
	24	35.7	7.025	178.4										
8 5/8 219.1	49	72.9	7.511	190.8	7.26	184.4	2.992	76	3 1/2 EUE	20-433-0850				
	40	59.5	7.725	196.2										
	36	53.6	7.825	198.8	7.60	193				20-433-0860				
	24	35.7	8.097	205.7										
9 5/8 244.5	53.5	79.6	8.535	216.8	8.29	210.4	2.992	76	3 1/2 EUE	20-433-0950				
	47	69.9	8.681	220.5										
	43.5	64.7	8.755	222.4	8.50	215.9				20-433-0960				
	32.3	48.1	9.001	228.6										