

R-104 PACKER

PRODUCT 10-042

The **TechWest R-104** is a full-bore Tension Packer designed for Squeeze Cementing, Acidizing, Testing or Fracturing operations. The use of this packer is ideal where pressure differential is from below, and the use of a Compression Packer is prohibitive. The opposing slips enable the R-104 to remain packed off during pressure reversals.

A simple adjustment can convert the R-104 to left hand or right hand set. Normally the CF Unloader (Product 10-023) is run in conjunction with the R-104 Packer to allow equalization of tubing and annulus pressures.

Considered the best tension set service packer available it is well suited for repeated and continuous use under the harshest of conditions.

FEATURES

- Tension set for medium to deep application.
- Dual opposing slips
- Three element slips for high pressure and temperature
- RH / LH set adjustable.

OPERATION

Rotate approx. one turn to release the slip assembly. Circulation is still possible as the CF Unloader is open in this position. Tension is pulled into the tubing to pack off the elements and close the CF Unloader.

The R-104 remains packed off as long as the tension force is maintained. Slack off tubing weight to open the CF Unloader to re-establish circulation or equalize the pressure between the tubing and the annulus.

Lower the tubing to the neutral point and rotating approx one turn (opposite to the setting direction) to release the packer.

A safety release mechanism may be used if the packer cannot be released normally by pulling slight tension into the tubing and rotating approx. 10 turns to the right. This will equalize the pressure between the annulus and the tubing, forcing the cones away from the slips and causing the packing elements to relax.



SPECIFICATIONS

10-042 SPECIFICATION GUIDE										
CASING					Product Number	Gauge Ring	Packer Body OD	Min Bore	EUE Thread	CF Unloader Product
OD	Weight		ID							
in/mm	lb/ft	kg/m	in	mm						
4 1/2 114.3	13.5	20.1	3.920	99.6	10-042-0450	3.800 96.5	3.75 95.3	1.933 49.1	2 3/8 63.0	10-023-0200
	11.6	17.3	4.000	101.6						
	10.5	15.6	4.052	102.9						
	9.5	14.1	4.090	103.9						
5 127.0	18.0	26.8	4.276	108.6	10-042-0500	4.062 103.2	4.00 101.6	1.933 49.1	2 3/8 63.0	10-023-0200
	15.0	22.3	4.408	112.0	10-042-0510	4.250 108.0				
	13.0	19.3	4.494	114.1						
	11.5	17.1	4.560	115.8						
5 1/2 139.7	26.0	38.7	4.548	115.5	10-042-0510	4.250 108.0	4.00 101.6	1.933 49.1	2 3/8 63.0	10-023-0200
	23.0	34.2	4.670	118.6	10-042-0550	4.500 114.3				
	20.0	29.8	4.778	121.4						
	17.0	25.3	4.892	124.3	10-042-0560	4.641 117.9				
	17.0	25.3	4.892	124.3						
	15.5	23.1	4.950	125.7						
	15.5	23.1	4.950	125.7						
	14.0	20.8	5.012	127.3	10-042-0570	4.728 114.3				
13.0	19.3	5.044	128.1							
6 5/8 168.3	32.0	47.6	5.675	144.1	10-042-0650	5.500 139.7	5.50 139.7	2.474 62.8	2 7/8 73.0	10-023-0250
	28.0	41.7	5.791	147.1						
	24.0	35.7	5.921	150.4	10-042-0660	5.658 143.7				
	20.0	29.8	6.049	153.6						
7 177.8	38.0	56.6	5.920	150.4	10-042-0660	5.658 143.7	5.50 139.7	2.474 62.8	2 7/8 73.0	10-023-0250
	35.0	52.1	6.004	152.5	10-042-0700	5.875 149.2				
	32.0	47.6	6.094	154.8						
	29.0	43.2	6.184	157.1	10-042-0710	6.023 153.0				
	26.0	38.7	6.276	159.4						
	23.0	34.2	6.366	161.7						
	20.0	29.8	6.456	164.0						
	17.0	25.3	6.538	166.1	10-042-0720	6.230 158.2				