

MODEL TI COMPRESSION PACKER

PRODUCT 20-305

The **Model Ti Compression Packer** is a compact, economical, rugged, resettable packer that is run on jointed or coiled tubing. The packer is set and released with only axial (upwards and downwards) motion, making it ideal for coil tubing use, or when rotating conventional tubing is impractical. The indexing Auto-J allows for reseatability without surfacing the tool, making it ideal for multi-zone treatments or fracturing.

The packer features an adjustable shear type Safety Release System allowing for packer retrieval in the event normal unsetting fails.

A *High-Flow* variation of the Model Ti Packer is available with slots machined into the Drag body and Element Cone to increase the cross-sectional flow area past the Packer. This design feature reduces frictional losses when pumping or flowing past the anchor, allowing for higher flow rates.

FEATURES

- Compact and user-friendly design for easy redressing
- Sets/Unsets with only axial (up-down) motion
- Resettable Auto-J for service/completion work
- Can run upside down in tension or without element as an anchor
- Elastomer and metallurgical options available for hostile environments

OPERATION

The packer operates with a continuous Auto-J indexing mechanism. The Ti Packer is run to the desired setting depth with the tool starting in the *run-in* position. Pickup puts the tool into the pre-set (pulling) position. Lowering the tubing anchors the slips into the casing and energizes the element. Compression must be maintained in order to hold pack-off. To release the packer, pickup the tubing to unset and then freely move up or down. The packer may be reset again by the initial procedure. If unable to normally unset, apply compression exceeding the shear force of the pins installed.



SPECIFICATION GUIDE - T Packer Series (20-302, 304, 306, 307)										
CASING					PACKER					
OD	WEIGHT		ID		OD		MIN ID		Connection	Product No
	lb / ft	kg / m	in	mm	in	mm	in	mm		
2 3/8 50.8	4.7	7.0	1.995	50.7	1.81	46.0	0.378	9.6	1.000 NPT	20-302/4/5/6/7-0200
2 7/8 73	6.5	9.7	2.441	62.0	2.20	55.9	0.750	19.1	1.500 NPT	20-302/4/5/6/7-0250
	6.4	9.5	2.441	62.0						
3 1/2 88.9	10.2	15.2	2.992	76.0	2.81	71.4	1.380	35.05	1.500 NPT	20-302/4/5/6/7-0350
	7.7	11.5	3.068	77.9						
4 1/2 114.3	15.1	22.6	3.826	97.2	3.50	88.9	1.610	40.89	1.900 EUE	20-302/4/5/6/7-0440
	13.5	20.1	3.920	99.6						
	11.6	17.3	4.000	101.6	3.80	96.5	1.940	49.1	2 3/8 EUE	20-302/4/5/6/7-0450
	9.5	14.1	4.090	103.9						
5 1/2 139.7	26	38.7	4.548	115.5	4.41	111.9	2.441	62.00	2 7/8 EUE	20-302/4/5/6/7-0530
	23	34.2	4.670	118.6						
	23	34.2	4.670	118.6	4.45	113.0	1.995	50.67	2 3/8 EUE	20-302/4/5/6/7-0540
	23	34.2	4.670	118.6	4.45	113.0	2.441	62.00	2 7/8 EUE	20-302/4/5/6/7-0550
	23	34.2	4.670	118.6	4.50	114.3				20-302/4/5/6/7-0560
	20	29.8	4.778	121.4						4.625
	17	25.3	4.892	124.3						
13	19.3	5.044	128.1							
5 3/4 146.0	24.2	36.0	4.910	124.7	4.728	120.1	2.441	62.00	2 7/8 EUE	20-302/4/5/6/7-0600
	22.5	33.5	4.990	126.7						
	19.5	29.0	5.090	129.3	4.823	122.5				20-302/4/5/6/7-0610
	17	25.3	5.190	131.8						
6 5/8 168.3	32	47.6	5.675	144.1	5.44	138.2	2.441	62.00	2 7/8 EUE	20-302/4/5/6/7-0650
	28	41.7	5.791	147.1						
	24	35.7	5.921	150.4	5.750	146.1				20-302/4/5/6/7-0700
	20	29.8	6.049	153.6						
7 177.8	32	47.6	6.940	154.8	5.750	146.1	2.441	62.00	2 7/8 EUE	20-302/4/5/6/7-0700
	29	43.2	6.184	157.1						
	26	38.7	6.276	159.4	6.00	152.4				20-302/4/5/6/7-0710
	17	25.3	6.538	166.1						
7 5/8 193.7	39	58.0	6.625	168.3	6.45	163.8	2.441	62.84	2 7/8 EUE	20-302/4/5/6/7-0750
	33.7	50.2	6.765	171.3						
	29.7	44.2	6.875	174.6	6.67	169.5				20-302/4/5/6/7-0760
	24	35.7	7.025	178.4						
9 5/8 244.4	53.5	79.6	8.535	216.8	8.25	209.6	4.000	101.6	4 1/2 EUE	20-302/4/5/6/7-0950
	47	69.9	8.681	220.5						
	43.5	64.7	8.755	222.4	8.50	215.9				20-302/4/5/6/7-0960
	32.3	48.1	9.001	228.6						