

MODEL T TENSION PACKER

PRODUCT 20-306

The **TechWest T Tension Shear Packer** is a resettable, compact, economical packer for use in shallow production or injection installations. It is ideally suited for applications where pressure differential from below is expected.

This packer features an adjustable shear type Safety Release System which may be used to release the packer. The Shear Release System is located below the packing element with standard factory set shears.

A *High-Flow* variation of the Model T 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

- Resettable, compact design with minimal parts.
- Straight motion release
- Safety back-up shear release (can be adjusted to non-shear release).
- Available in a High Flow configuration (reduced x/s area)

OPERATION

Run to the desired setting depth. Make a $\frac{1}{4}$ turn to the right at the tool. Apply tension to the packer causing the slips to fully engage with the casing and energizing the elements. Tension must be maintained at the packer to keep the elements energized.

To release the packer simply remove tension and lower the tubing. The Jay mechanism will auto rotate back into the running position and the packer may now be moved up or down hole. If unable to normally unset the packer the packer contains an emergency shear release.



| 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 | | | | | | |
| | 23 | 34.2 | 4.670 | 118.6 | 4.50 | 114.3 | 2.441 | 62.00 | 2 7/8 EUE | 20-302/4/5/6/7-0560 |
| | 20 | 29.8 | 4.778 | 121.4 | | | | | | |
| | 17 | 25.3 | 4.892 | 124.3 | 4.625 | 117.3 | | | | 20-302/4/5/6/7-0580 |
| 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 | | | | | | |