

EXPANSION SAFETY JOINT

PRODUCT 20-030

The **TechWest Expansion Safety Joint** is placed in the tubing string to allow for pipe contraction or expansion due to changes in pressure or temperature. It is a swivel joint type which allows for the tubing string to rotate freely whether it is fully extended or compressed. The mandrel may be shear pinned throughout the full stroke at 2 foot intervals. In the event the tubing must be retrieved, full extension of the Expansion Safety Joint will release the bottom hole assembly from the tubing string. The force required to disconnect the tubing string is fully adjustable by increasing or decreasing the number of shear screws.

OPERATION

Run to depth and complete operations. Release the expansion safety joint from the running position by picking up tubing string and allow the run in pins to shear. The mandrel is now allowed to move.

To retrieve the tubing string, pull enough tension to fully extend the mandrel and exceed the safety release force.

