

## OMEGAMATIC RETRIEVABLE PACKER

### PRODUCT 10-348

The **TechWest Omegamatic Packer** is a full-bore, bi-directional, resettable service packer used for cementing, stimulation and production testing operations that may be configured as either Left or Right-Hand set.

This packer utilizes hydraulic hold-down slips located above the elements. The slips are engaged with pressure differential from below, making it ideal for deep and high-pressure service work. The hydraulic slip configuration prevents solids or cement from entering the Slip System and provides the ability to unset the packer with a straight pull without rotation of the tubing.

The packer contains a large by-pass, allowing fluid to equalize between the tubing and annulus, reducing the swabbing effect during run-in and retrieval.

The Omegamatic may be run in conjunction with a retrievable bridge plug, such as the TTU Mechanical Set Bridge Plug (product no. 15-725) for straddle work.

### FEATURES

- Three element design for reliable seal under high pressure
- Hydraulic holds downs for secure anchoring and reliable resetting.
- Large internal by-pass
- Can be configured as either LHS or RHS.

### OPERATION

To set the Omegamatic Packer, run to depth and rotate the tubing approximately 2/3 of a turn (at the packer) to release the Slip Assembly. The required amount of tubing weight is then slacked off onto the packer to close the Bypass and pack off the elements.

To release the packer, simply pick up on the tubing to open the Bypass and equalize the pressure across the packer. To move the Omegamatic down the hole, the tubing is rotated 2/3 of a turn (at the packer) in the opposite direction turned when setting. This will lock the Slip Assembly into the running position.

