

TENSION UNLOADER

Kline's Tension Unloader provides a means of equalizing differential pressure after completing squeeze cementing or other remedial work below a packer.

When run above a tension-set squeeze packer, the unloader will remain open going in or out of the well due to an internal friction device. The tension used to set the packer will also close the unloader, permitting pressure work below the packer.

The unloader can be opened by setting sufficient weight on the packer to overcome the internal friction device. Resistance to closing or opening can easily be adjusted in the field, from a minimum of zero to a maximum of approximately 12,000 lbs.

The Kline Tension Unloader is available for:

1 1/4" TUBING (to run in 2 7/8" tubing)

1 1/2" TUBING (to run in 3 1/2" or 4" tubing)

2 3/8" TUBING (to run in 4 1/2" and larger casing)

2 7/8" TUBING (to run in 5 1/2" and larger casing)

3 1/2" TUBING (to run in 7" and larger casing)

