

## TG Stroke indicator

The stroke indicator consists of a stroke indicator on each bolt tensioner and a panel for the pump operator.

The purpose of the stroke indicator is to make tensioning and detensioning going quicker, a typical saving in time is 15 – 45 seconds / pull.

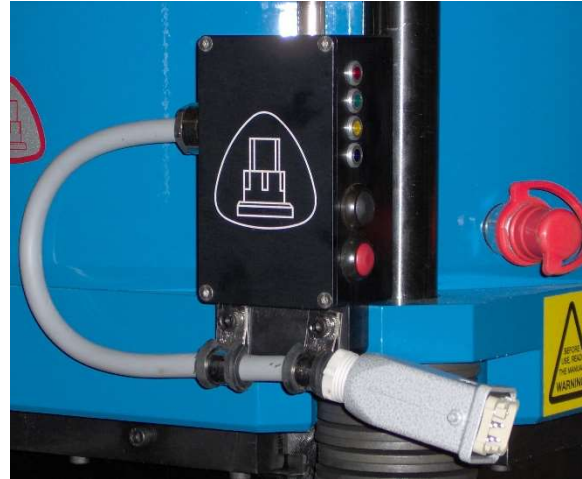
The stroke indicator eliminates the risk of over-stroke. When the bolt tensioner is going to over-stroke a red lamp is lightened on the console.

Stroke indicator can send clear signals, blue lamp, from bolt tensioner operator to pump operator and reverse, useful in noisy surroundings or when eye contact is not possible.

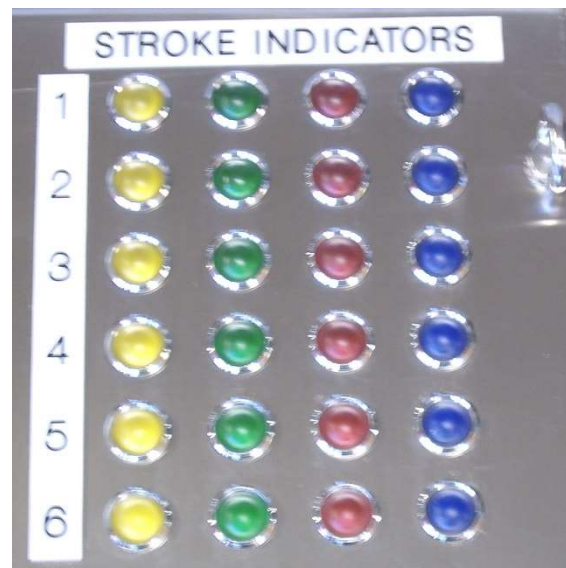
The stroke indicator has five advantages:

1. Give the tensioner a pre-stroke to minimize pumping time during tensioning and detensioning. This eliminates the risk that the bolt tensioner is locked to the stud when relieving the pressure.
2. Give the pump operator a signal to prevent the bolt tensioner to go overstroke.
3. Allow pump operator to send a clear signal, blue lamp, to bolt tensioner operator.
4. Allow bolt tensioner operator to send a clear signal, blue lamp to pump operator.
5. Bolt tensioner operator can stop pumping if necessary.

All the lamps are made with LED technology and have a life-time well over 1000 hours.



Stroke indicator.



Stroke indicator panel on the console.