



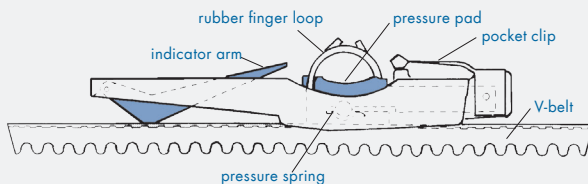
OPTIKRIK TENSION GAUGES

FOR OPTIBELT V-BELTS AND RIBBED BELTS

This simplified method for static tension measuring should be used for installation and maintenance tensioning of the belt when the important technical data is unavailable and the optimum tension cannot be calculated. This method requires only knowledge of the small pulley diameter and the belt section and construction. The gauges may also be used to set tensions when the optimum tension has been calculated from known technical data.



OPTIBELT TENSION GAUGES – INSTRUCTIONS FOR USE –

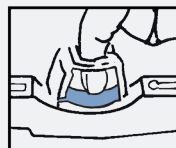


Tension Gauges:

OPTIKRIK 0	Range:	15 - 35 Lbs. / 70 - 150 N
OPTIKRIK I	Range:	30 - 150 Lbs. / 150 - 600 N
OPTIKRIK II	Range:	100 - 300 Lbs. / 500 - 1400 N
OPTIKRIK III	Range:	300 - 700 Lbs. / 1300 - 3100 N



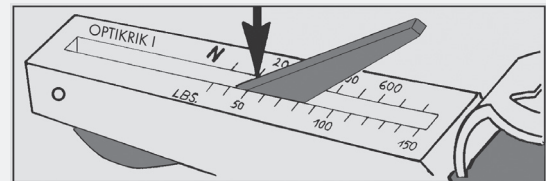
A



B



C



1. Select the gauge appropriate to the belt section and construction being tensioned. See notes below the simplified tensioning table.
2. The illustration above (A, B or C) shows three ways to hold the gauge so that pressure is applied to the pad only.
3. Position the gauge on one of the belts on the drive in the middle of an accessible span length. Take care to ensure that the gauge is only in contact with one of the belts, and that the indicator arm is pushed down into the gauge body. Align the gauge so that its body is parallel with the sides of the belt.
4. Push down on the pressure pad slowly and firmly with one finger in one of the ways illustrated above (A, B or C). When a "click" is heard and/or felt, stop immediately and remove the gauge carefully to avoid disturbing the indicator arm.
5. Read the gauge to judge the tension as follows and as illustrated in the sketch above.
6. Turn the gauge sideways to ascertain the exact point where the top surface of the indicator arm crosses the scale.
7. Mark this point mentally or with a thumbnail and turn the gauge to read the scale.
8. Check the tension found against the simplified tensioning table or the calculated tension. Tighten or slacken the belt, if necessary.

