ABSTRACT

APPARATUS AND METHOD FOR CALIBRATING A SHEAR TEST TOOL

An apparatus for calibrating a shear test tool utilizes a resilient pivot mechanism to improve accuracy and reliability of the force calibration. The apparatus includes a fixed element, a pivotable element configured to be rotatable relative to the fixed element, and a resilient pivot mechanism coupled between the fixed element and the pivotable element to form a pivot. The pivotable element is rotatable about the pivot to lift a weight coupled to the pivotable element when the shear test tool applies a force on the pivotable element in order to rotate the pivotable element and lift the weight.

[FIG. 1A]