

Method for the determination of loads/damage in
a mechanical structure

Abstract

5

In a method for the determination of loads in a
mechanical structure and/or of damage or states in the
mechanical structure which result from the loads in the
mechanical structure, the rotations of a part of the
10 mechanical structure which are caused by loads/damage
in the mechanical structure are measured via a fibre-
optic rotation sensor which is rigidly connected
mechanically to the structural part, and the
loads/damage/states in the mechanical structure are
15 deduced from the measured rotations.

(Fig. 1)