

Instruction of use

- a) To prevent premature recovery, do not expose rings to temperatures above 45 C degree prior to installation.
- b) The outside surface of ring is marked with thermochromic paint which changes color when the appropriate installation temperature, 170C, is reached Rings must be heated to this temperature to insure full stress generation. Do not use a heating technique, such as a torch, which would heat the paint faster than the ring.
- c) Do not heat rings above 300C during installation, or afterward, to avoid the possibility of stress relaxation.
- d) To ensure consistent performance, the substrate should have the dimensions and rigidity to hold the installed ring diameter to this size, or larger. (For a minimum unresolved recovery of 1.5%)
- e) This is a nominal radial clamping force for design purposes, equal to the ring-to-substrate contact area times the contact pressure. The actual force applied by a ring is a function of installation method, substrate material and geometry, and operating temperatures. The force decreases with decreasing temperature and with decreasing substrate diameter. Testing is required to qualify performance in specific applications.