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The purpose of this paper is to review international practice in the rock mechanics and rock engineering design of rock anchors which, as will be shown, has remained largely unchanged since the 1970s.

Rock engineering design of post-tensioned anchors for dams

In continuum mechanics, stress is a physical quantity that expresses the internal forces that neighbouring particles of a continuous material exert on each other, while strain is the measure of the deformation of the material. For example, when a solid vertical bar is supporting an overhead weight, each particle in the bar pushes on the particles immediately below it.

Stress (mechanics) - Wikipedia

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Deformation (engineering) - Wikipedia

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The Brazilian Disc Test for Rock Mechanics Applications

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