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web when a thin walled tube or cylinder is subjected to internal pressure a hoop and longitudinal stress are produced in the wall for the thin walled equations below the wall thickness is less than $1/20$ of tube or cylinder diameter hoop circumferential stress

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web apr 5 2021 this experiment provides the insight on thin walled pressure cylinders where thickness is less than or equal to $1/10$ of the internal diameter when axial and biaxial load is applied on it