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Product Name :
Stress And Strain Analysis On A Thick-Walled Cylinder

Product Code :
LBNY-0005-12700062



Description :

Hydraulic cylinder with hydraulic pump to generate pressure
Hermetically sealed hydraulic system, maintenance-free
Investigation of the stresses and strains in a thick-walled cylinder under internal pressure
Strain gauge application at various radial points in the groove and on the cylinder surface
Two-part cylinder with flat groove.

Technical Specification :

Aluminium cylinder
wall thickness: 50mm
internal pressure: max. 7N/mm (70bar)
length: 300mm
diameter: d=140mm
Strain gauge application
gauge factor: 2,00 +/-1%
11 strain gauges: half-bridges, 350Ohm
Pressure gauge: 0...100bar, accuracy: class 1,0
Supply voltage: 10V.

Laboratory Instrument India

