

Bending Test Frame



Our third student-made testing frame has been made to measure deflections at the center of a concrete beam subjecting to a bending moment. The frame accepts specimens of two sizes, 3x3x11.25 in., and 6x6x21 in., with gauge lengths of 9 in. and 18 in., respectively.

The frame supports itself only along the neutral axis of the specimen, and is stabilized by tightening the slotted bars at the ends of the frame to ensure no rotation of the frame occurs.

Features:

- Two high accuracy AC LVDTs used to average output
- Two specimen sizes accepted
- Two gauge lengths
- Easy mounting, with knurled thumb screws
- Fully hardened pins ensure sufficient attachment and long useful life
- Easily modified for intermediate gauge lengths

