

*all dimensions in (mm) .

Figure (1) Cross-sectional and dimension details, as well as beam reinforcement (Normal, RPC1, RPC2, and RPC3).

3.3 RPC has the following mechanical
properti

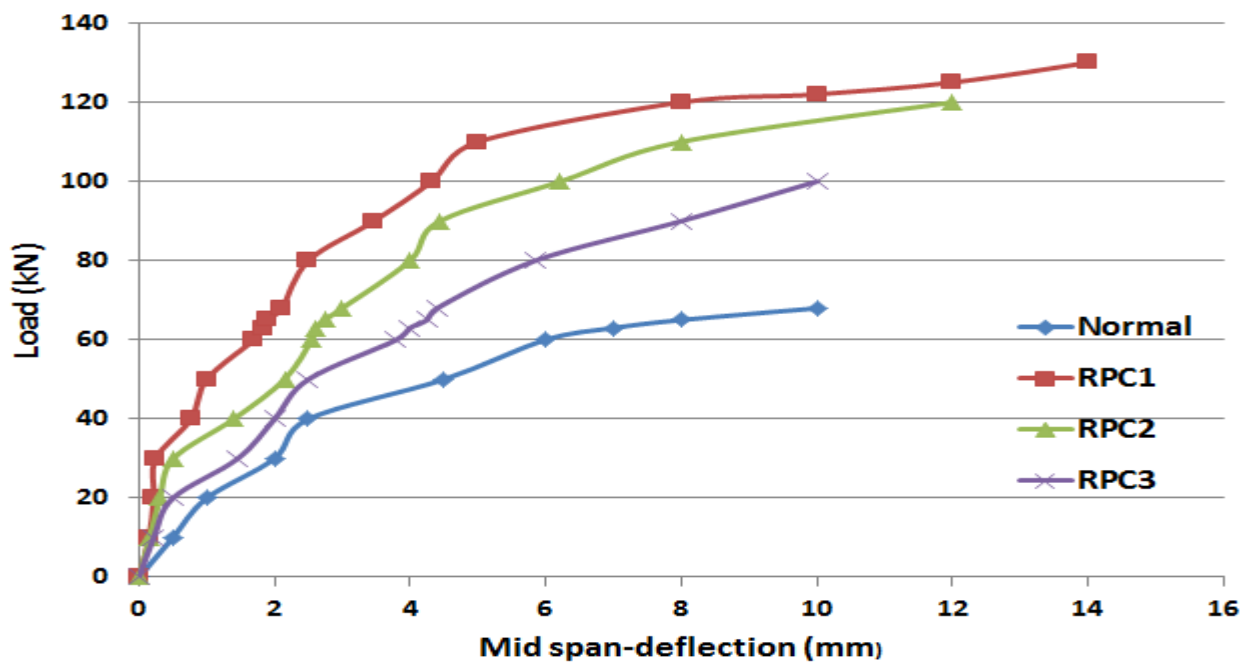


Figure (2): Effect of hybrid section on load deflection curves of T-beams

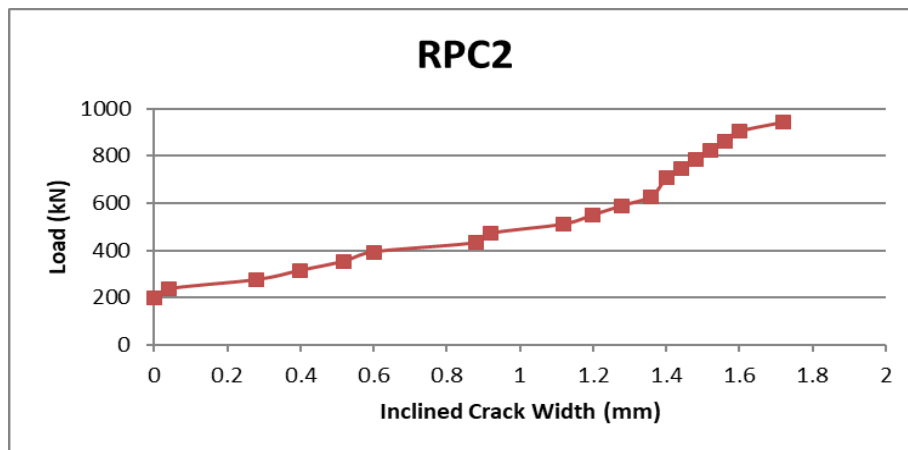
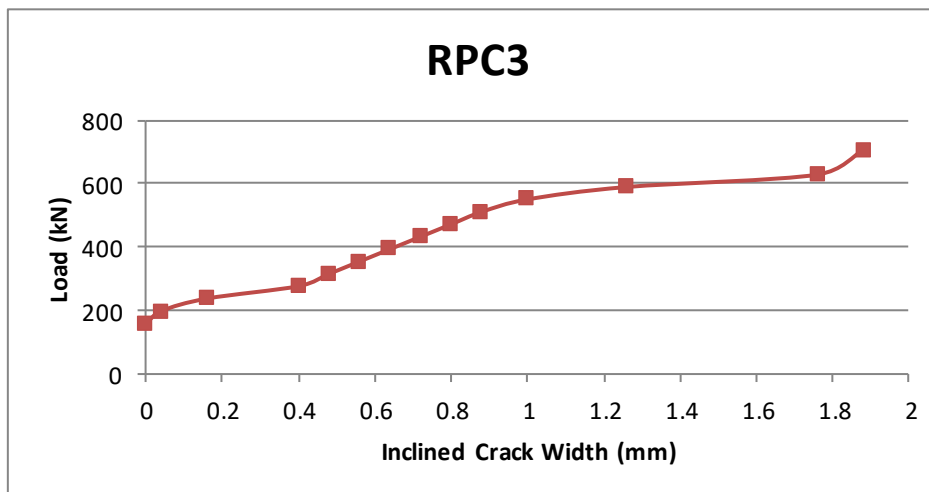
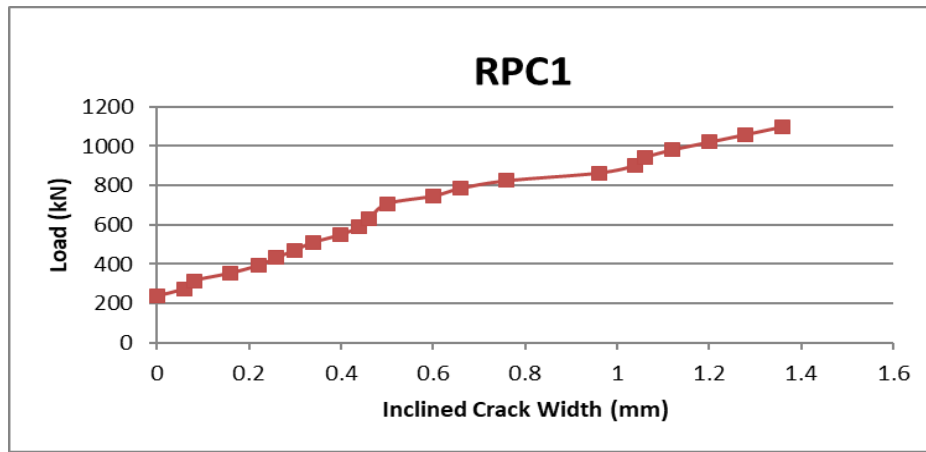


Figure (3): Load- Inclined Crack Width

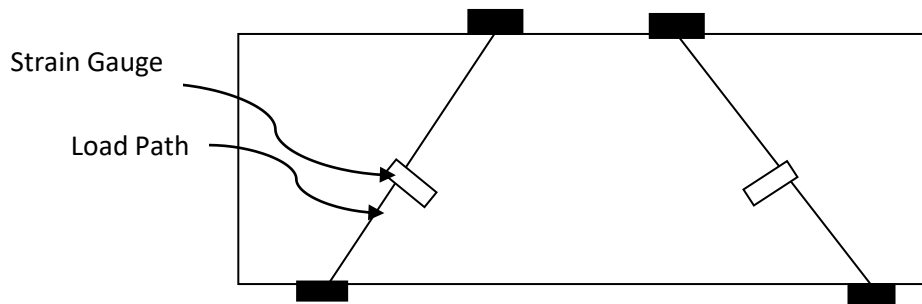


Figure (4): Location of Strain Gauge

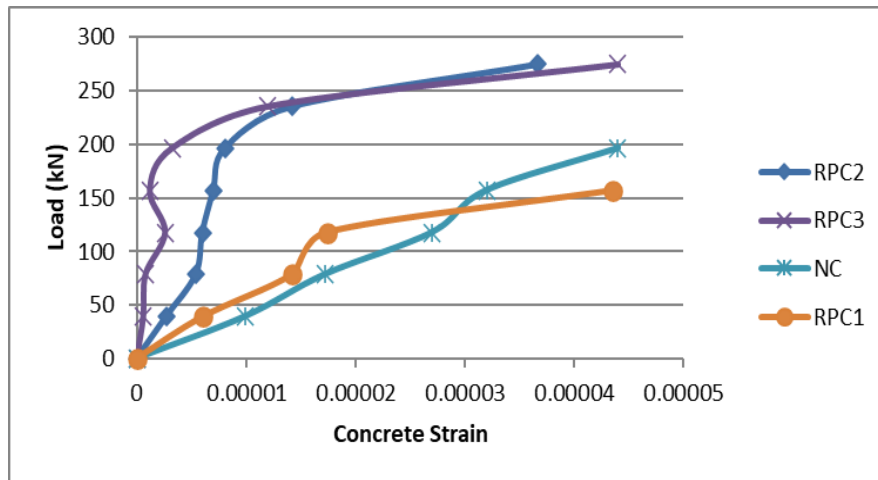


Figure (5): Load-Concrete Strain (By Electrical Strain Gauges)