

Appendix C: Dowel Embedment Test Tables

Appendix C contains tables with values quantified for each dowel embedment specimen tested. The figure below shows the corresponding points of interest as summarized in the tables, including variables, such as elastic stiffness and capacity and 5% offset yield load and displacement values. Abbreviations for load-displacement curves are as follows:

P_{cap} = Peak or capacity load

$P_{5\%}$ = 5% offset yield load

k_e = Elastic stiffness

A = Bearing area = ld , where l = thickness of specimen and d = dowel diameter

F_{cap} = P_{cap}/A = Capacity stress

$F_{5\%}$ = $P_{5\%}/A$ = 5% offset yield stress

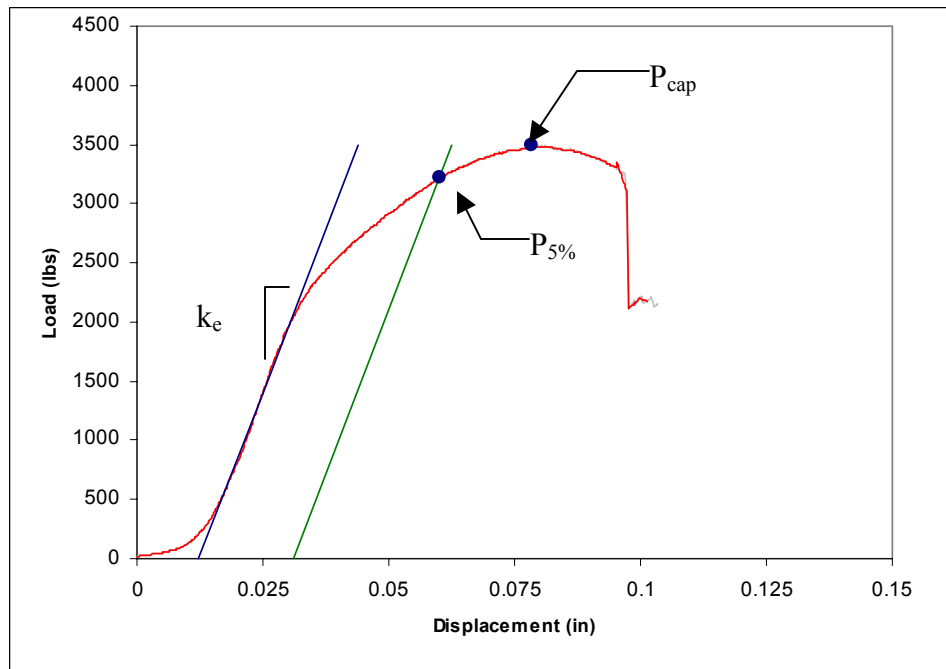


Figure C: Typical dowel embedment test and property definitions