# Appendix B: Connection Test Tables

Appendix B contains tables with the numerical values quantified for each connection specimen tested. In addition to equivalent elastic-plastic curves (EEP) and corresponding equivalent strain energy, the figure below shows the corresponding points of interest as summarized in the tables, including several variables, such as elastic stiffness and capacity, 5% offset yield and failure load and slip values. Abbreviations for load-slip curves are as follows:

$P_{cap}$ = Peak or capacity load
$P_{5\%}$ = 5% offset yield load
$P_y$ = Equivalent elastic-plastic yield load
$P_f$ = Failure load
$\Delta_f$ = Failure slip
0.4 $P_{cap}$ = 40% of capacity load
$k_e$ = Elastic stiffness
Ductility = $\Delta_f/\Delta_y$
Equiv energy = Area under equivalent elastic-plastic curve (EEP)

Note: For clarification, $\Delta$ (slip) corresponds to its respective P (load).

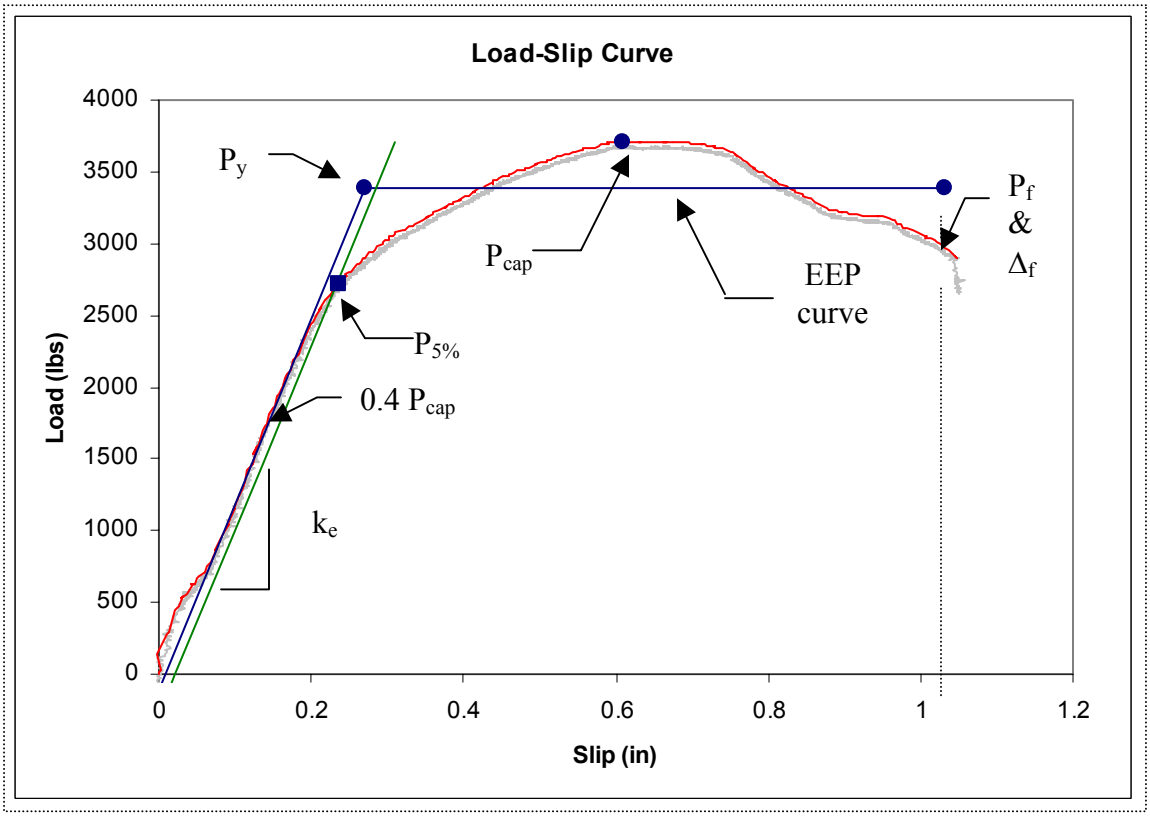


Figure B: Typical connection test and property definitions