

FIGURE 6-7. Hinging of W27x146 beam at maximum applied moment with Von Mises stress (ksi) distribution at tension flange.

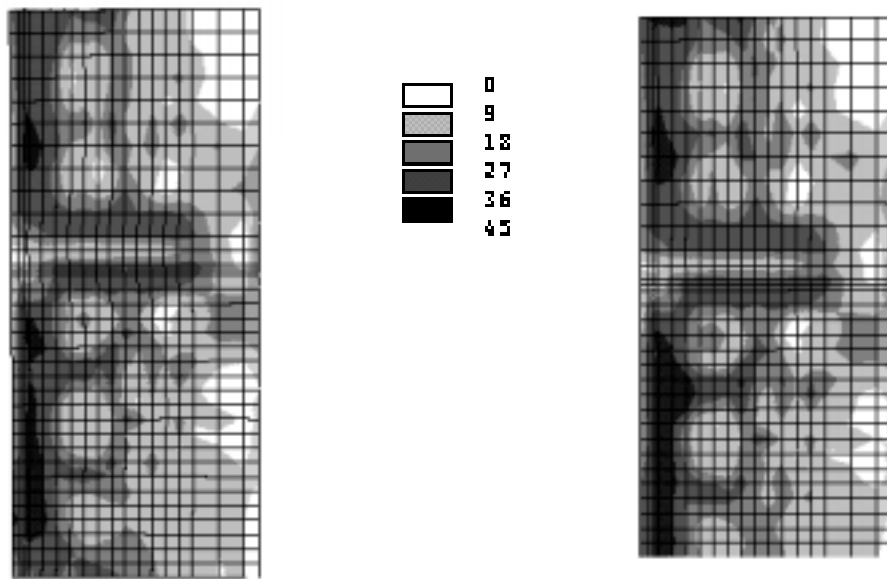


FIGURE 6-8. Von Mises stress (ksi) distribution for W27x146 thin plate at maximum applied moment.

FIGURE 6-9. Von Mises stress (ksi) distribution for W27x146 thick plate at maximum applied moment.

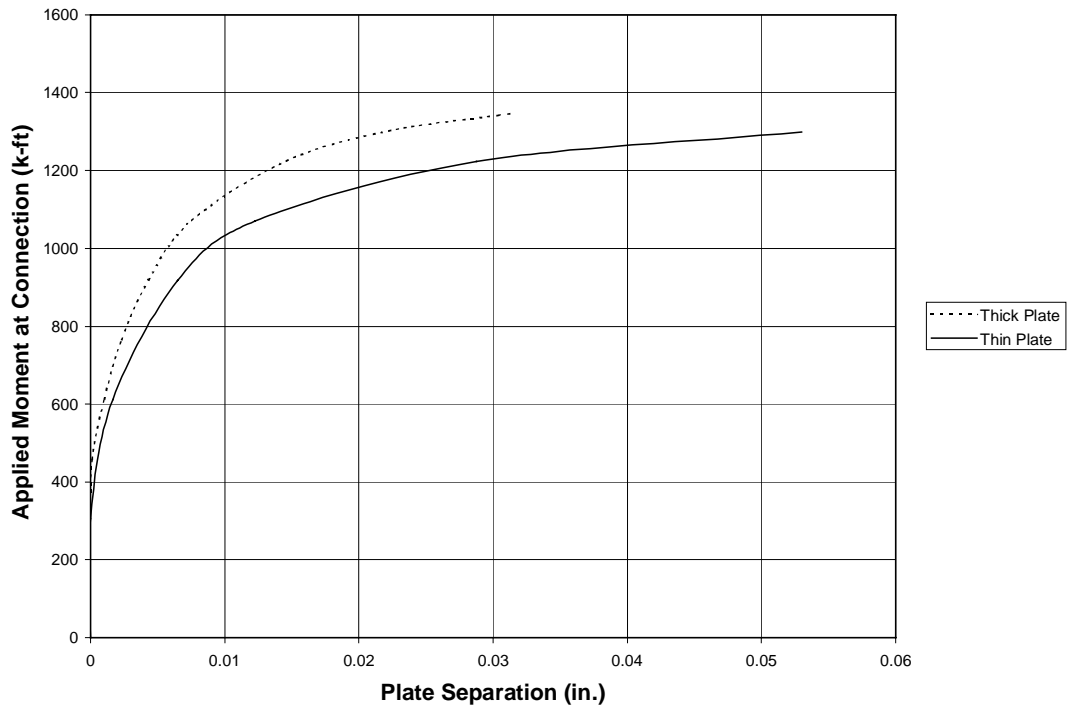


FIGURE 6-10. Applied moment vs. plate separation for W21x101 beam.

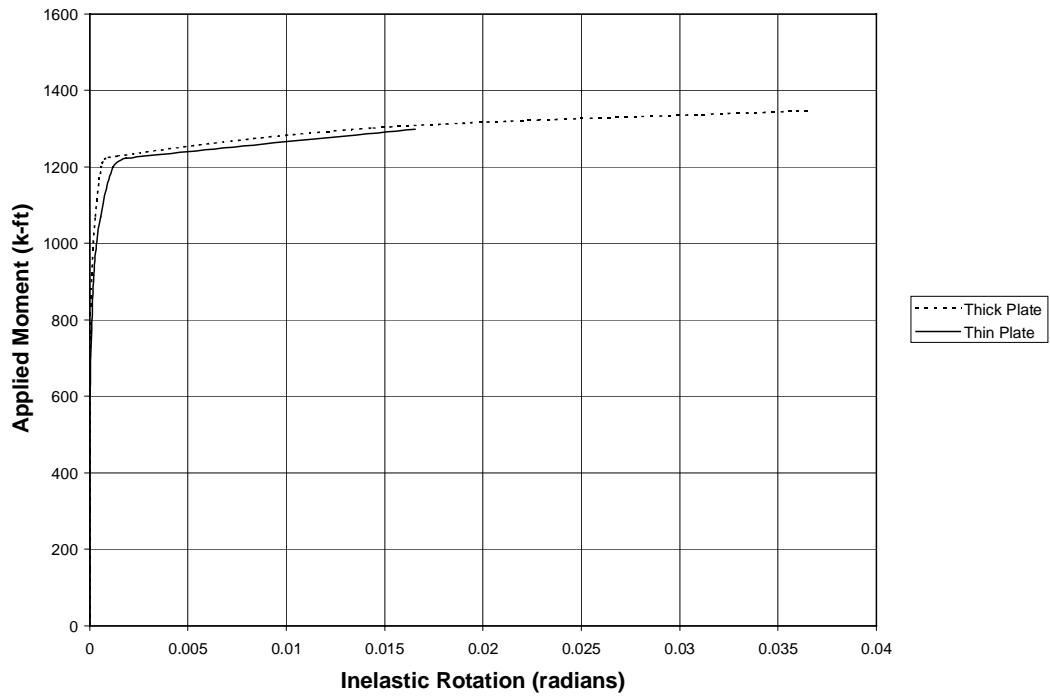


FIGURE 6-11. Applied moment vs. inelastic rotation for W21x101 beam.

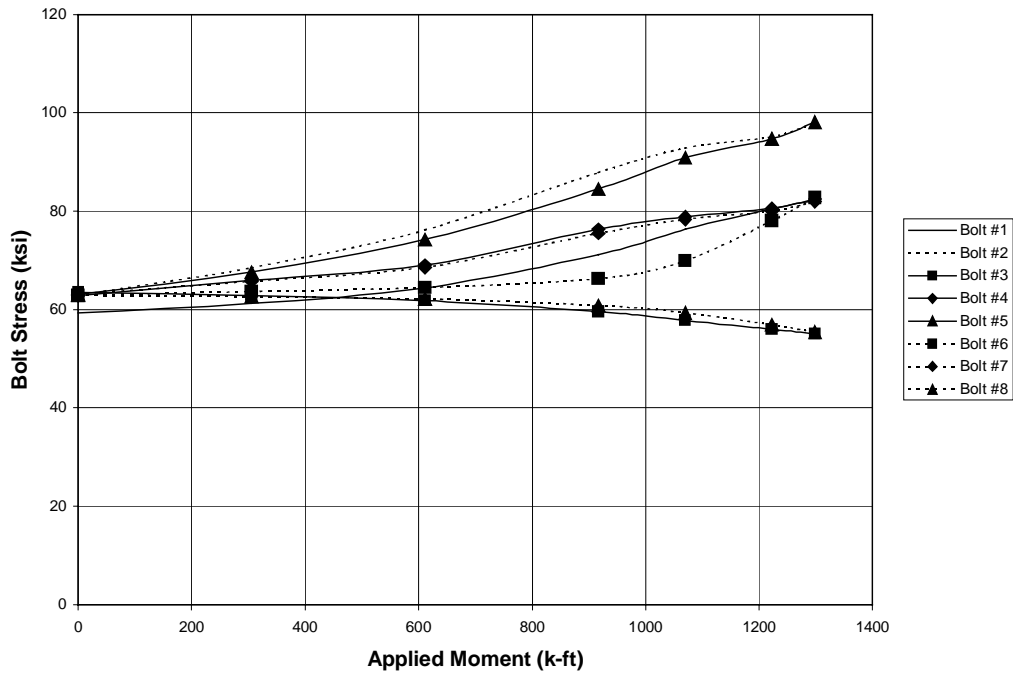


FIGURE 6-12. Bolt stress vs. applied moment for W21x101 beam with thin end-plate.

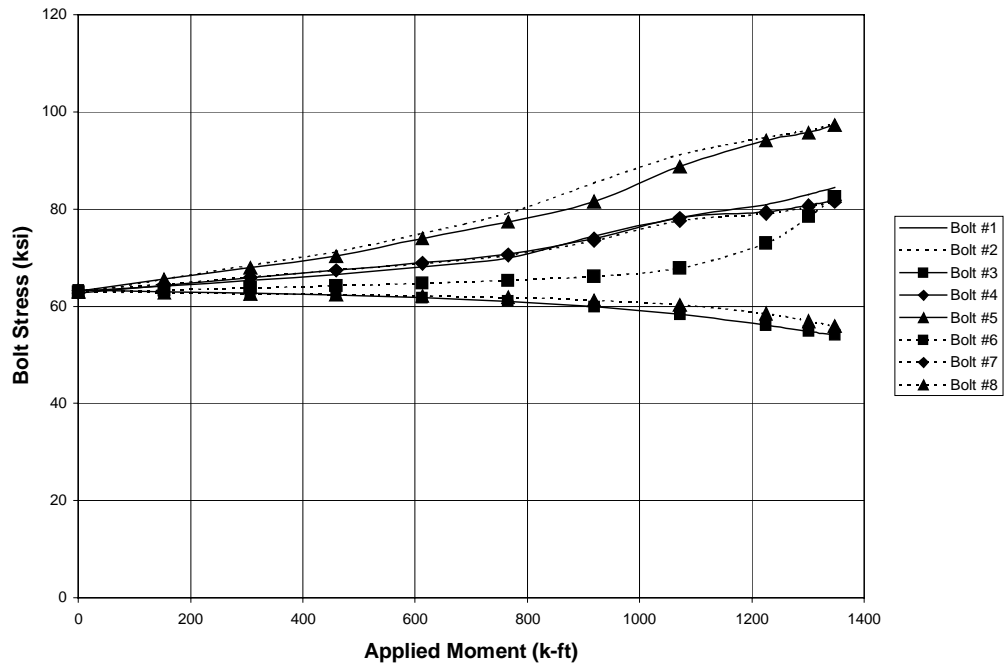


FIGURE 6-13. Bolt stress vs. applied moment for W21x101 beam with thick end-plate.

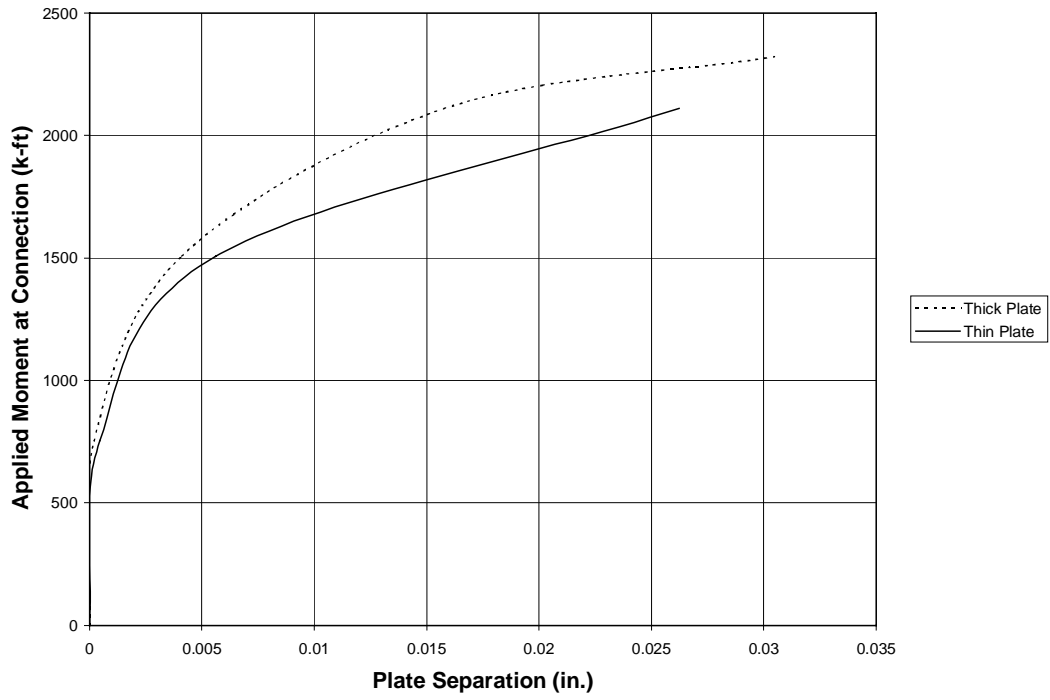


FIGURE 6-14. Applied moment vs. plate separation for W27x146 beam

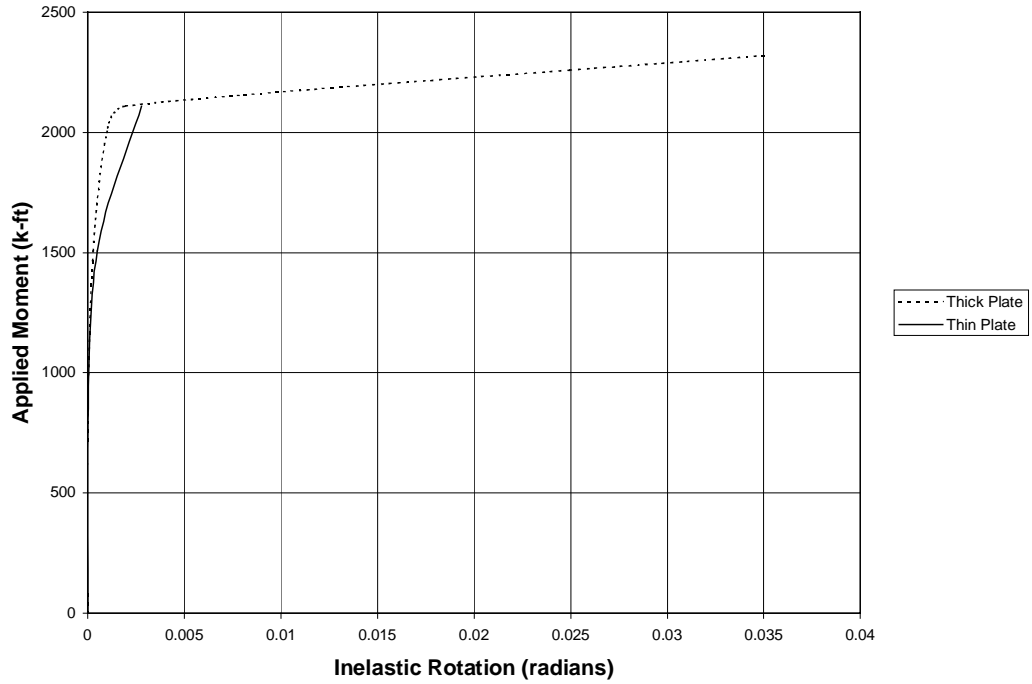


FIGURE 6-15. Applied moment vs. inelastic rotation for W27x146 beam.

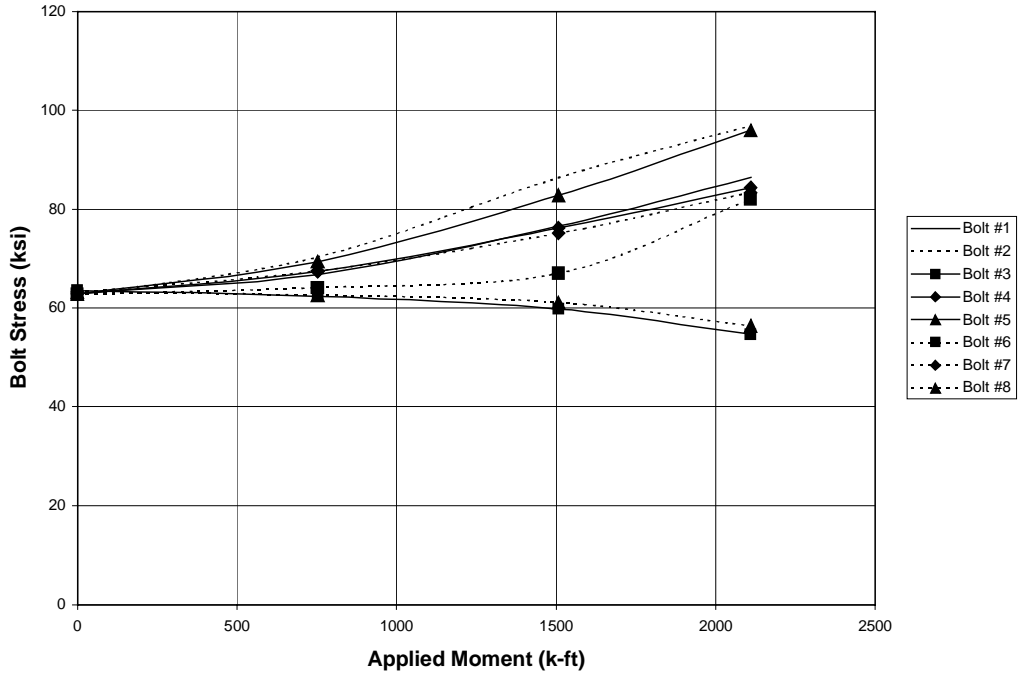


FIGURE 6-16. Bolt stress vs. applied moment for W27x146 beam with thin end-plate.

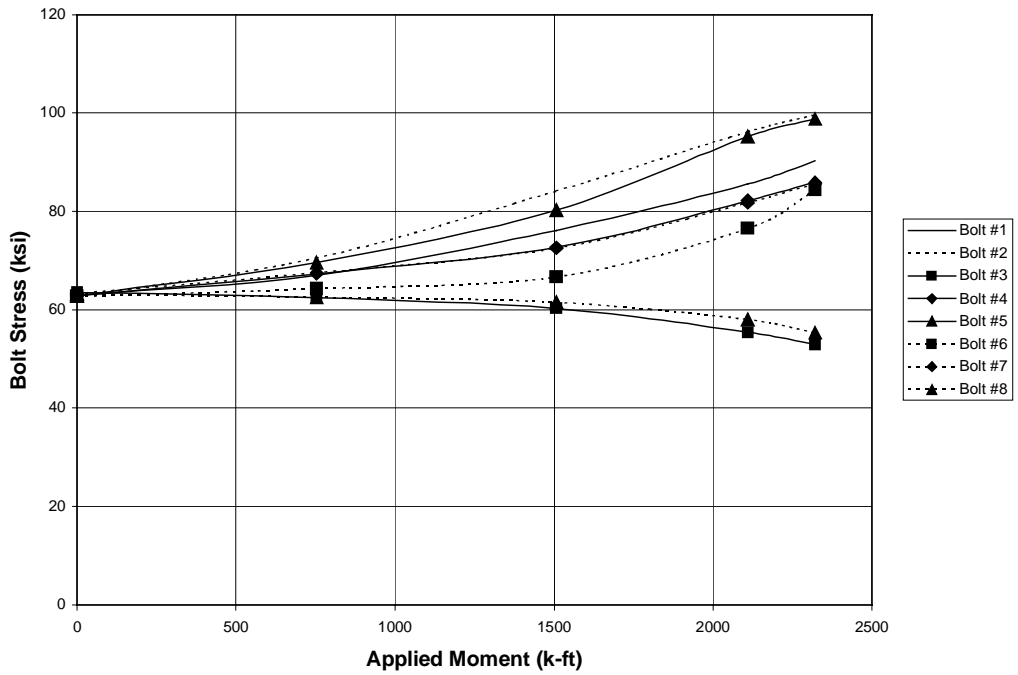


FIGURE 6-17. Bolt stress vs. applied moment for W27x146 beam with thick end-plate.