Figure 3.6.3-5—Minimum Moment versus Circumferential Crack Leakage Sizes for 5 gpm at Various Main Coolant Loop Locations

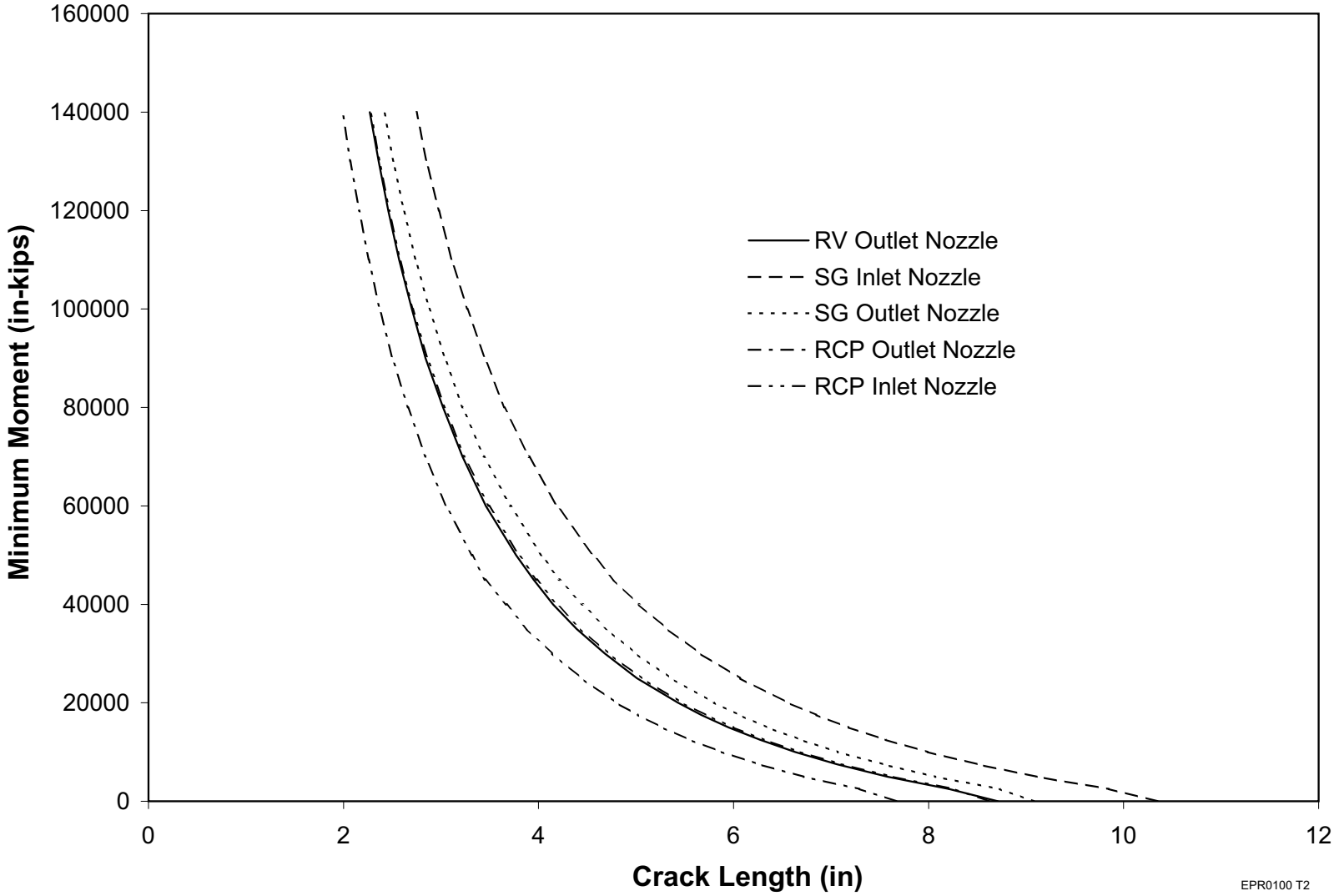

Figure 3.6.3-6—Minimum Moment versus Circumferential Crack Leakage Sizes for 5 gpm at Two Surge Line Locations

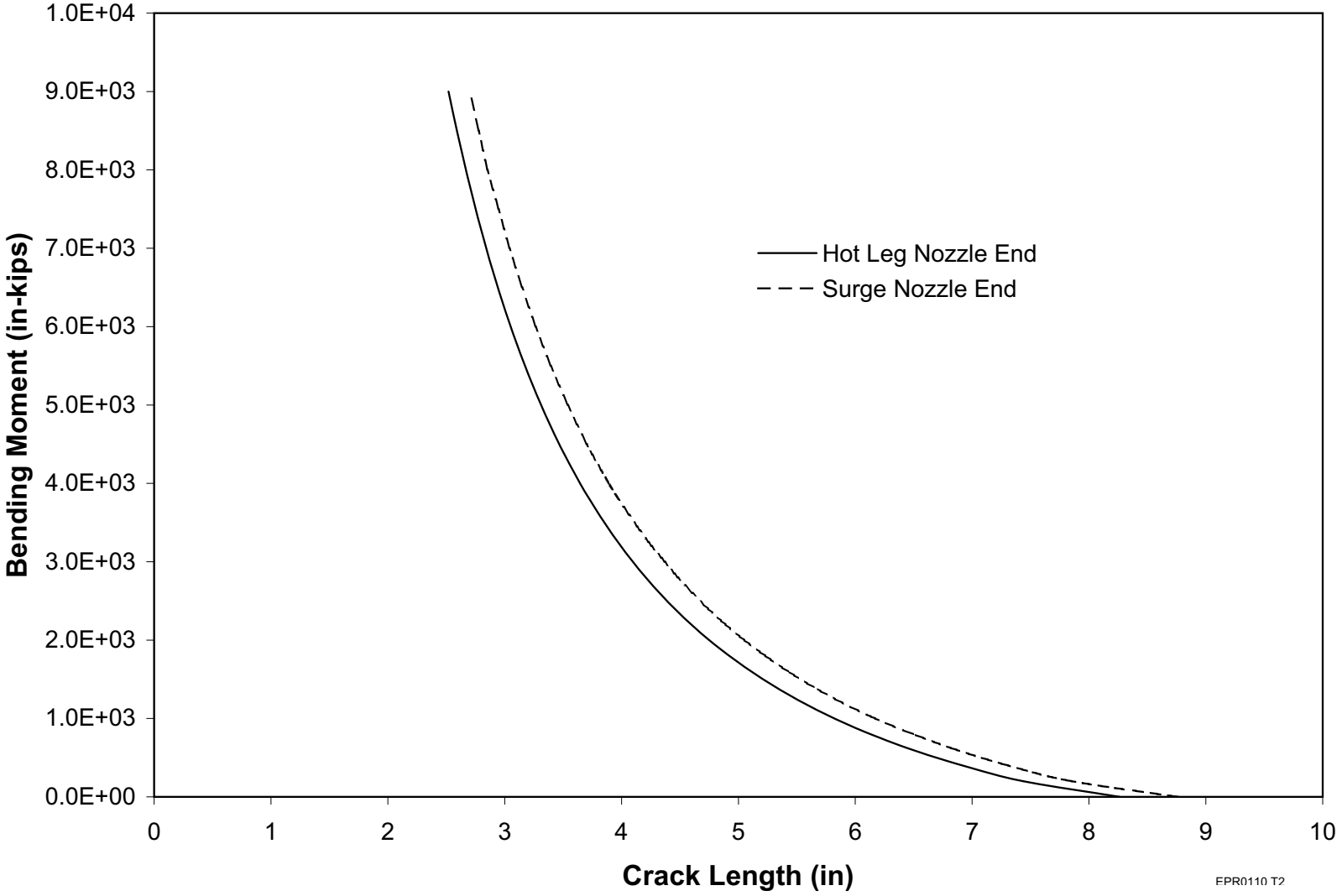

Figure 3.6.3-7—Pressure Only Leakage Rate versus Crack Length for Both Axial and Circumferential Crack Morphologies

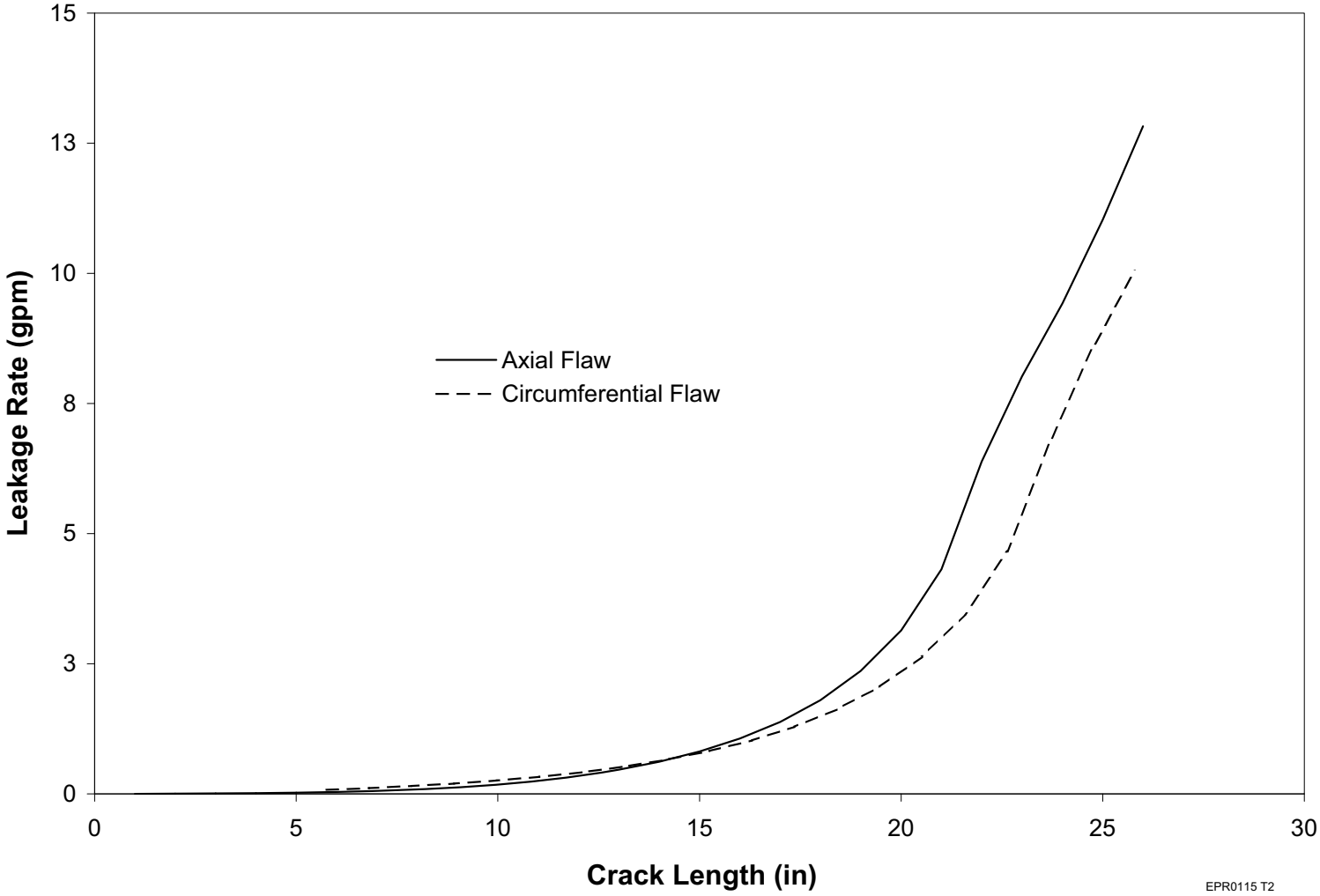

Figure 3.6.3-8—Minimum Moment versus Circumferential Crack Leakage Sizes for 1 gpm in Main Steam Line Piping

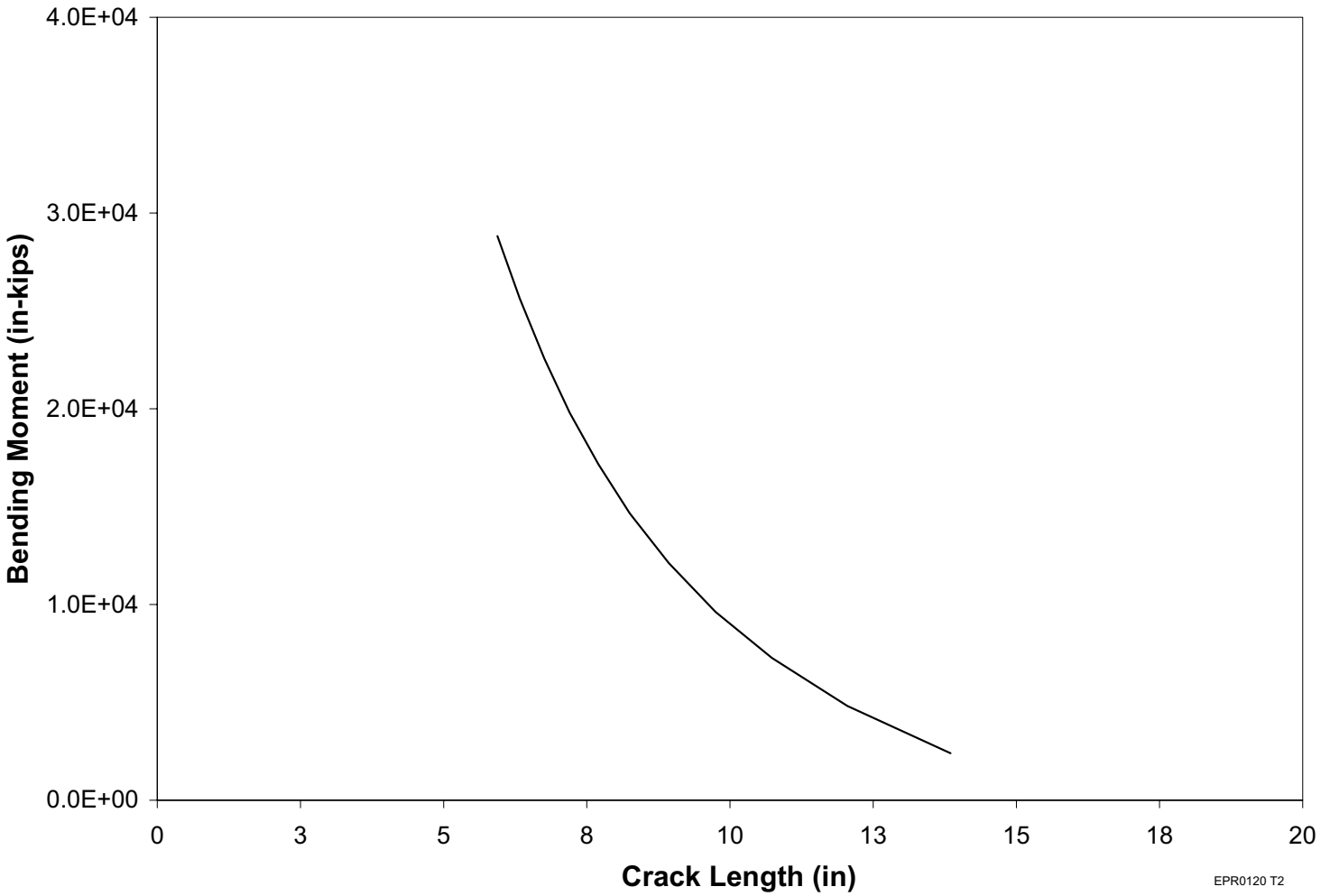

Figure 3.6.3-9—Schematics of Analyzed Crack Geometries Considered for Straight Pipe Section

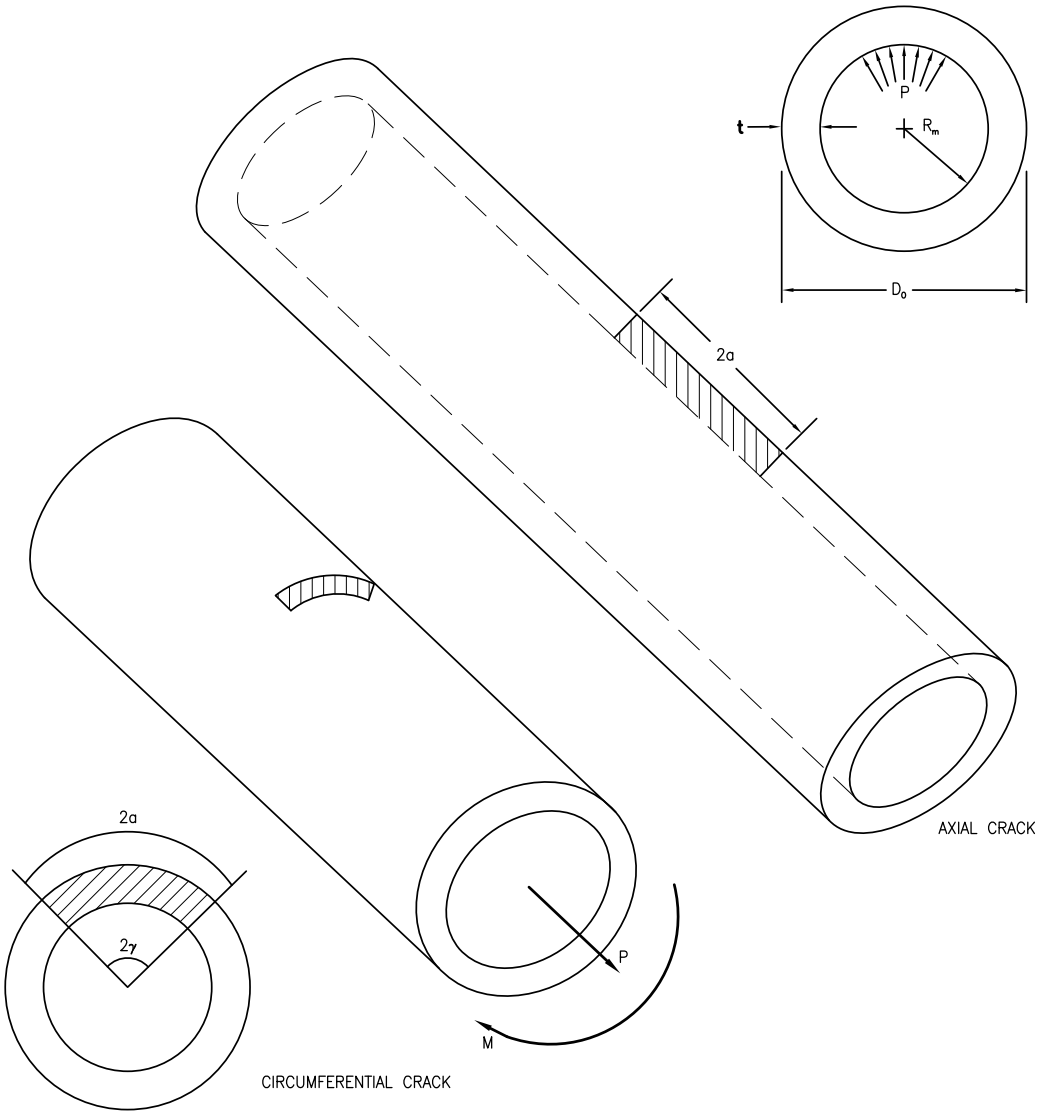

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Figure 3.6.3-10—Schematic of J-Tearing Instability Diagram

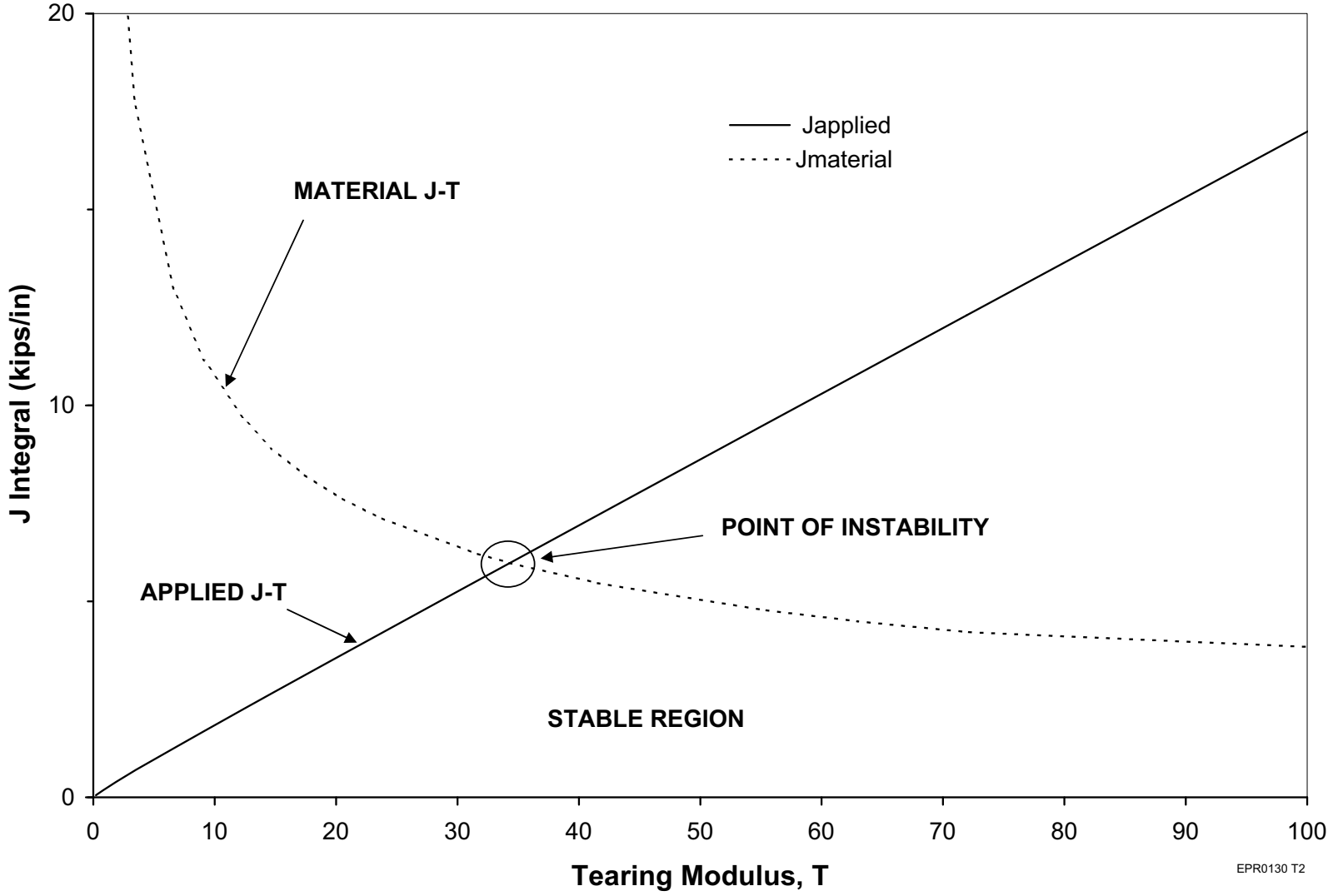

Figure 3.6.3-11—Typical Allowable Load Limit (ALL) Diagram Considering Various Axial Loadings

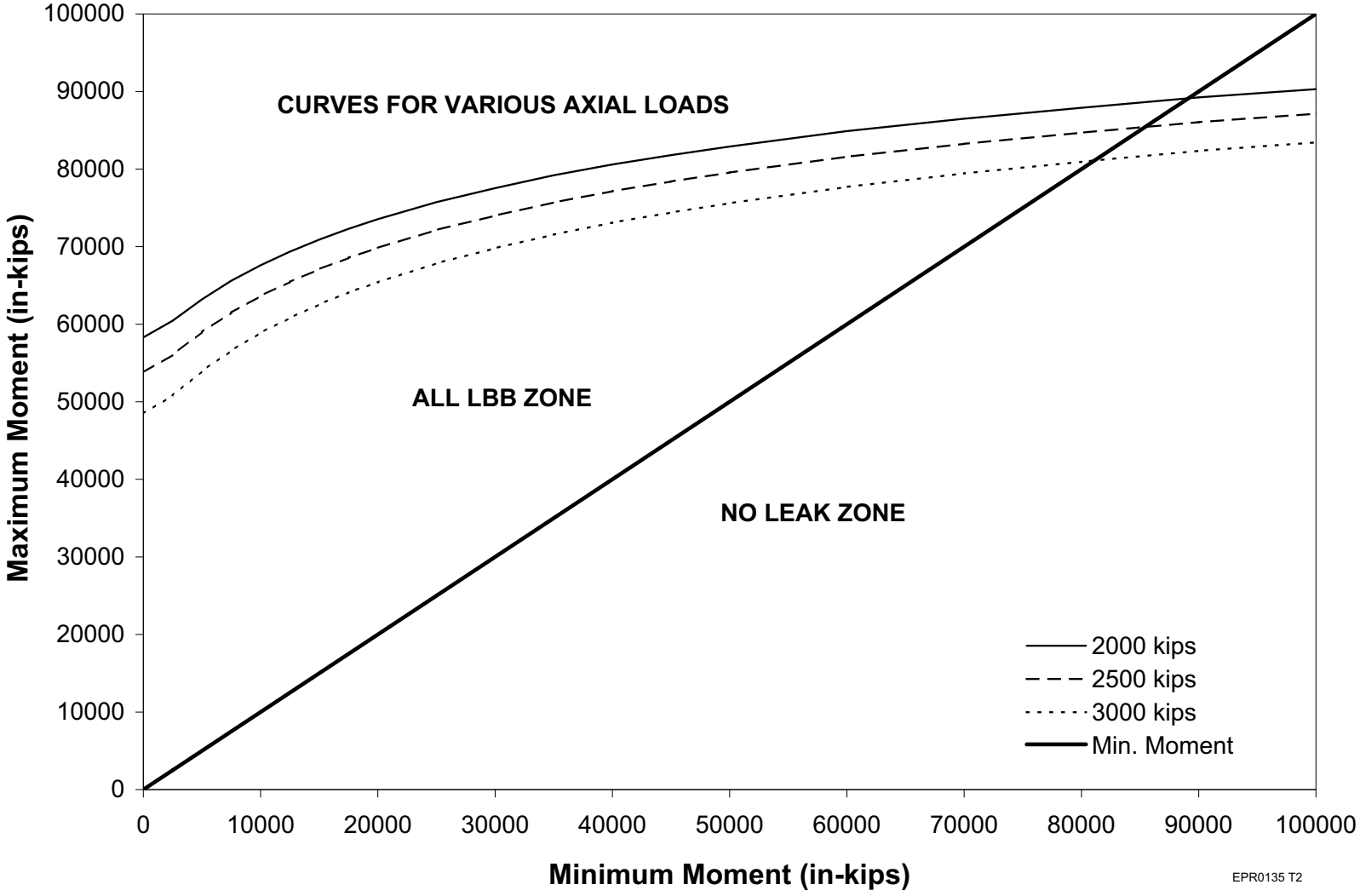

Figure 3.6.3-12—ALL for Reactor Vessel Outlet Nozzle at Alloy 52 Weld

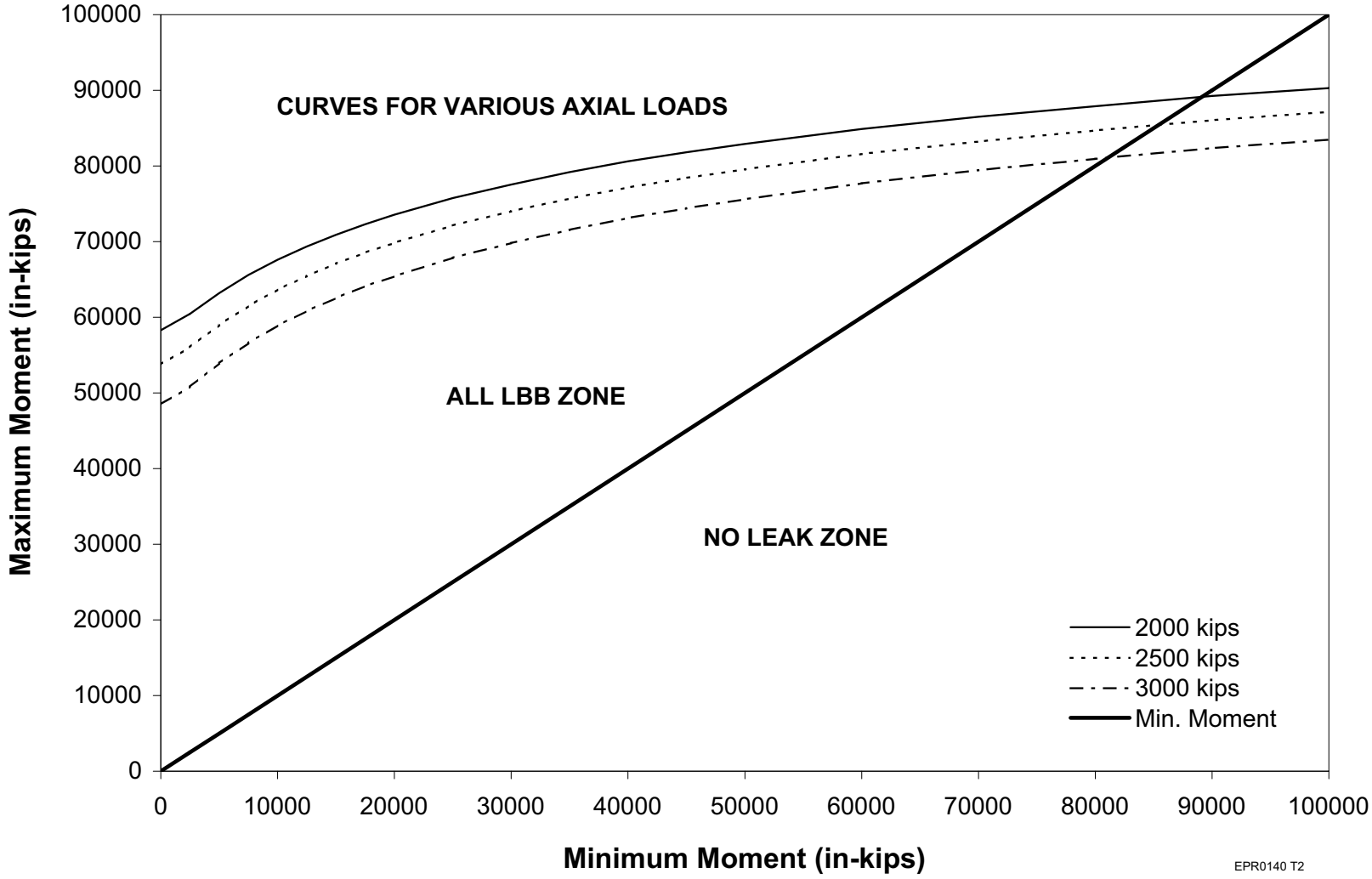

Figure 3.6.3-13—ALL for Steam Generator Inlet Nozzle at Alloy 52 Weld

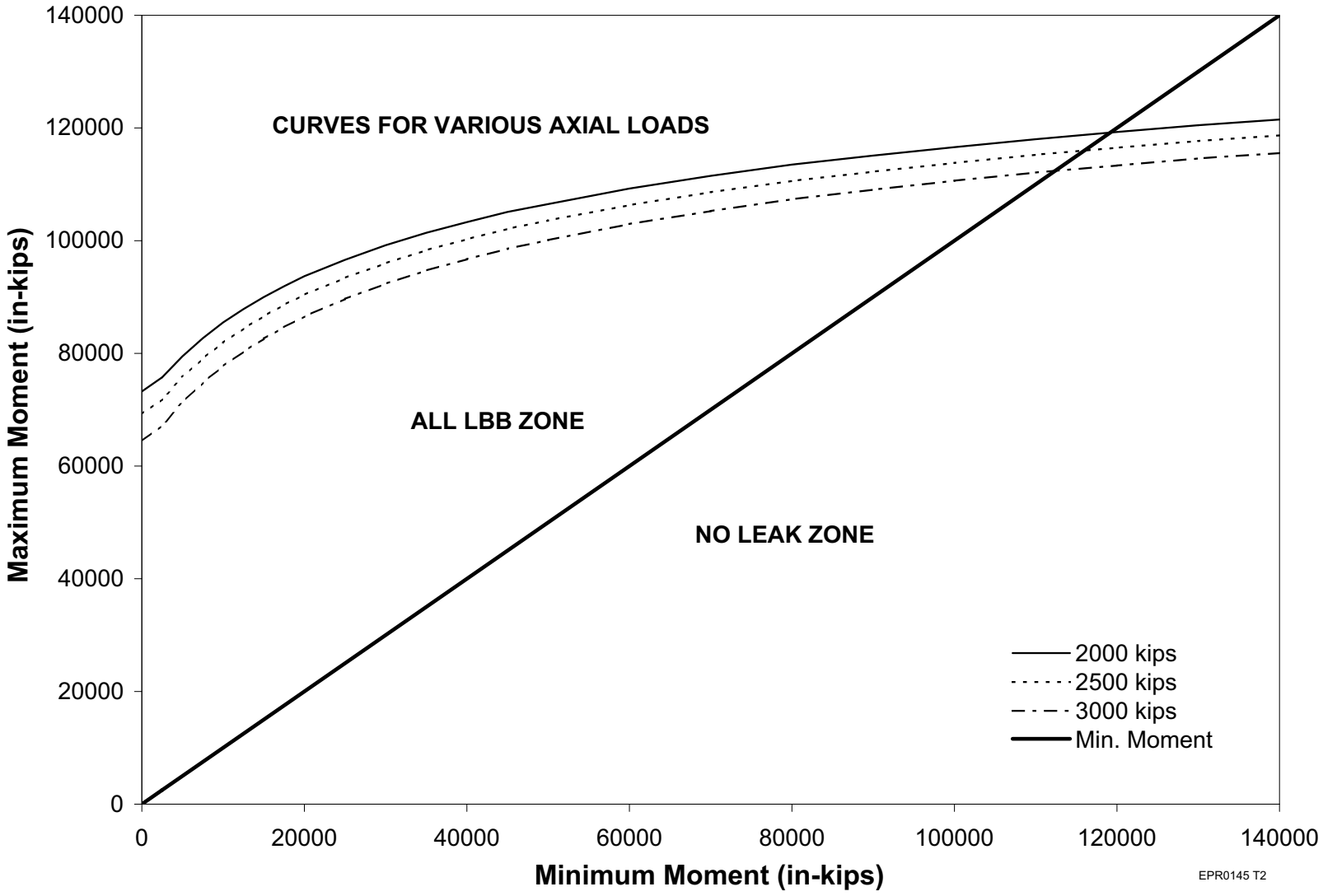

Figure 3.6.3-14—ALL for Steam Generator Outlet Nozzle at Alloy 52 Weld

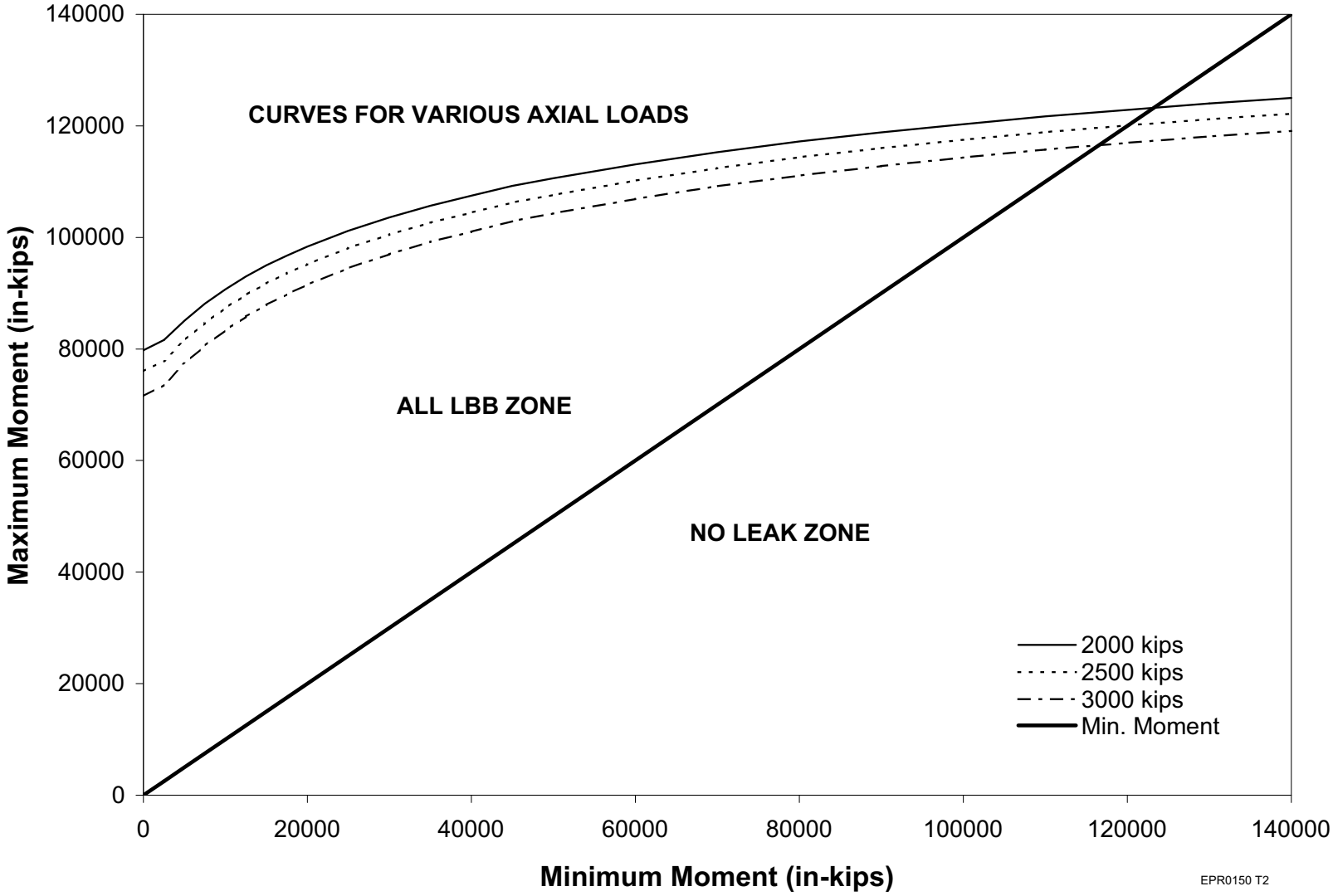

Figure 3.6.3-15—ALL for CASS RC Pump Outlet Nozzle, Cold Leg Pipe, and RPV Inlet Nozzle

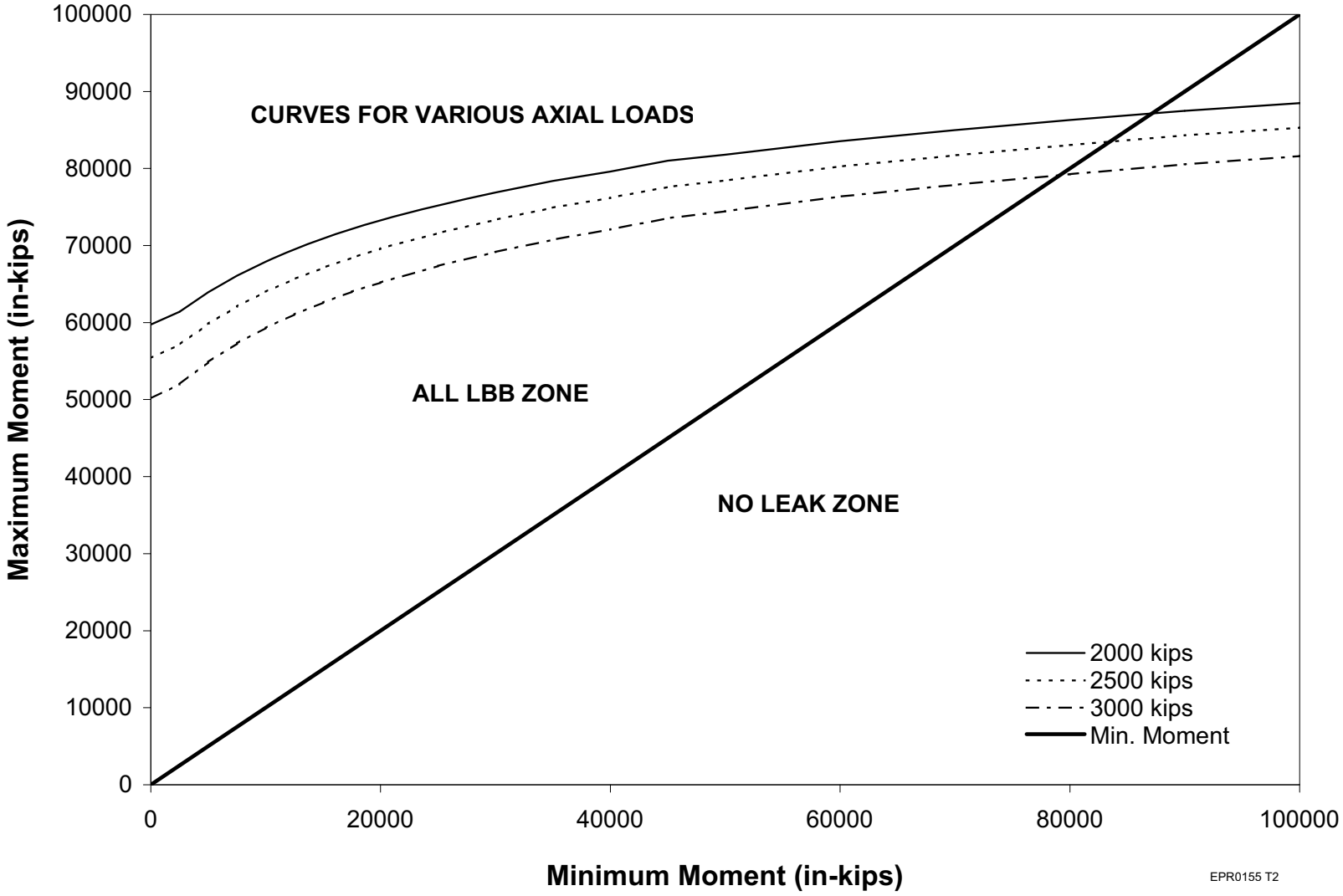

Figure 3.6.3-16—ALL for CASS RC Pump Inlet Nozzle

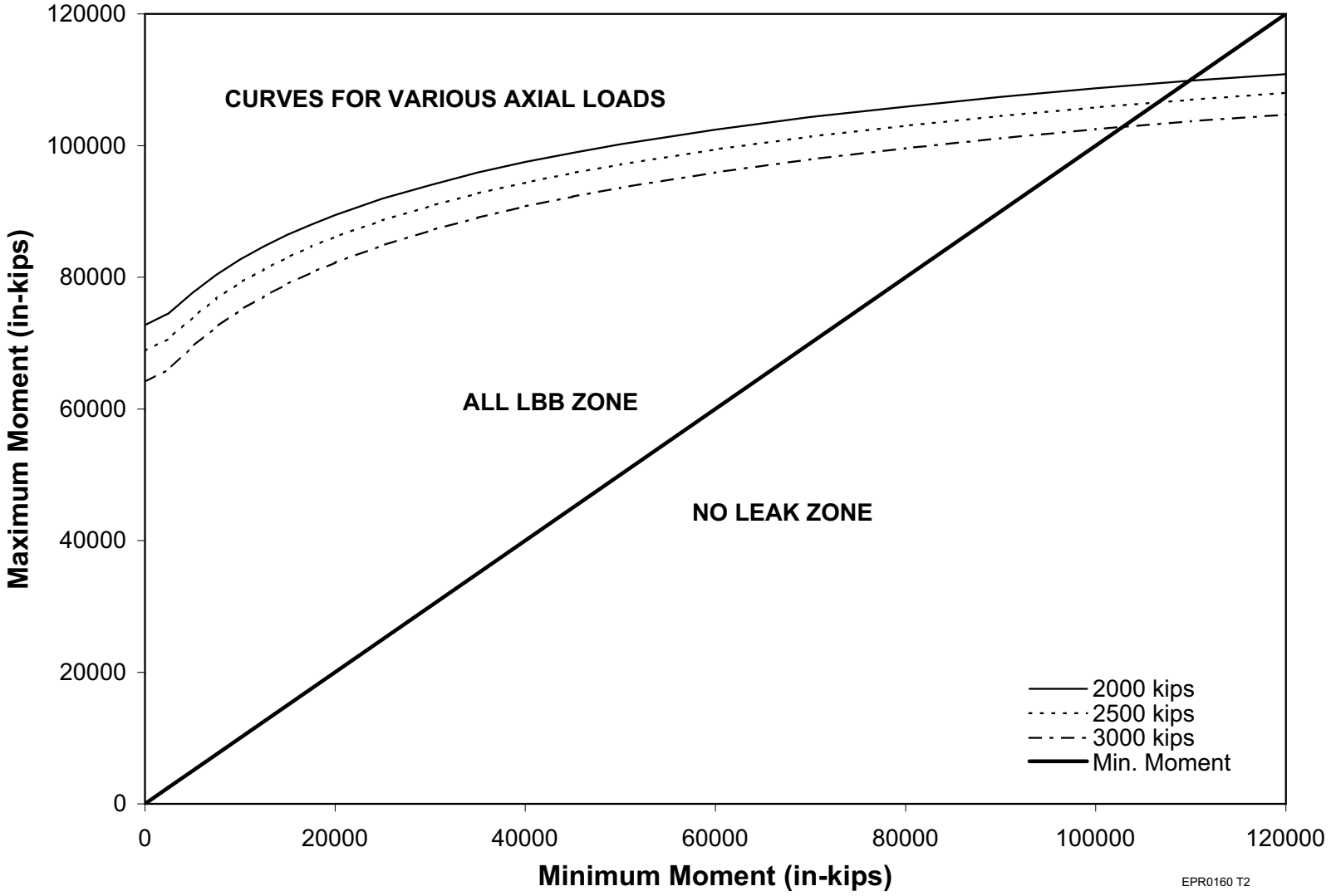

Figure 3.6.3-17—ALL for Hot Leg and Crossover Leg Piping

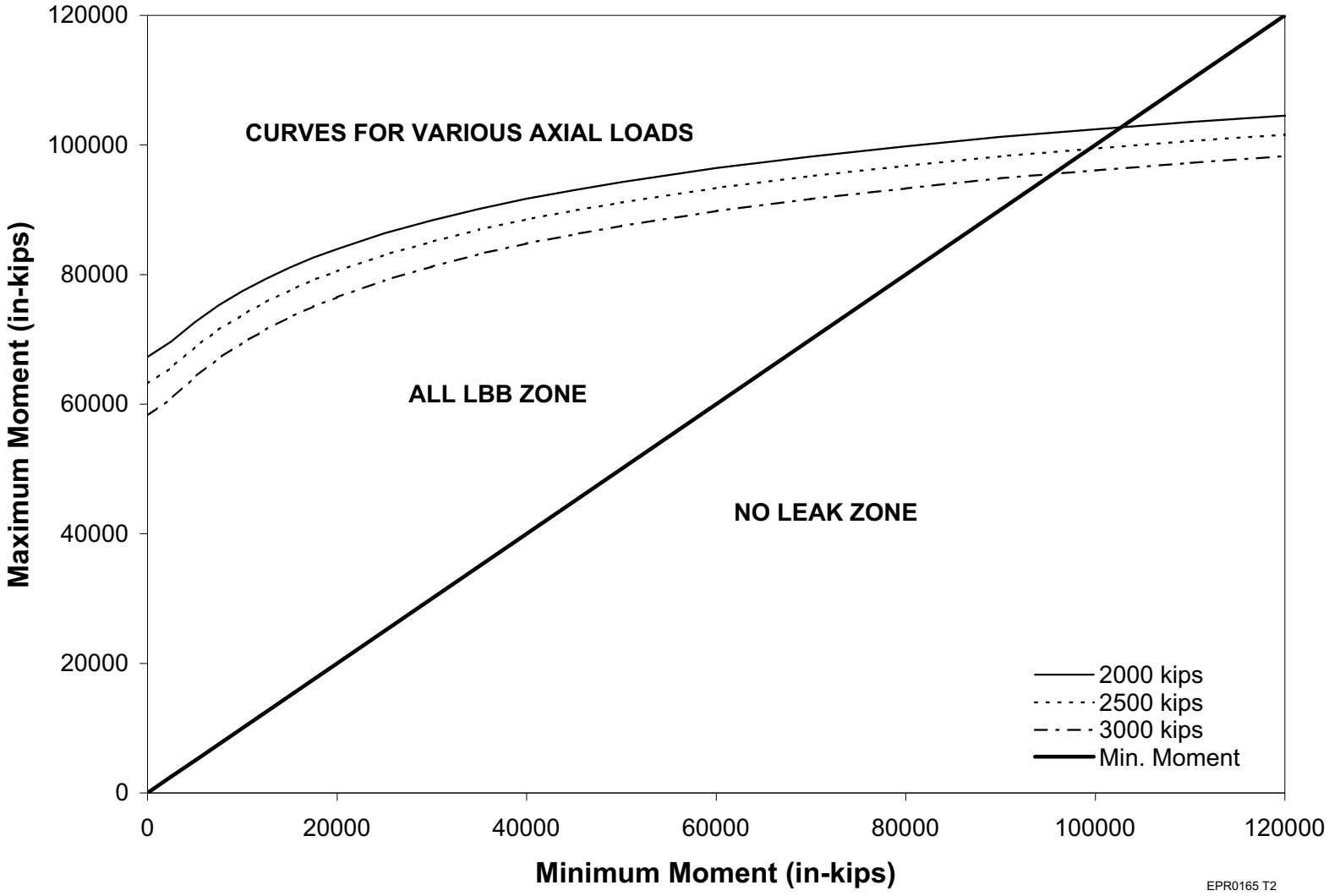

Figure 3.6.3-18—ALL for Pressurizer Surge Nozzle at Alloy 52 Weld

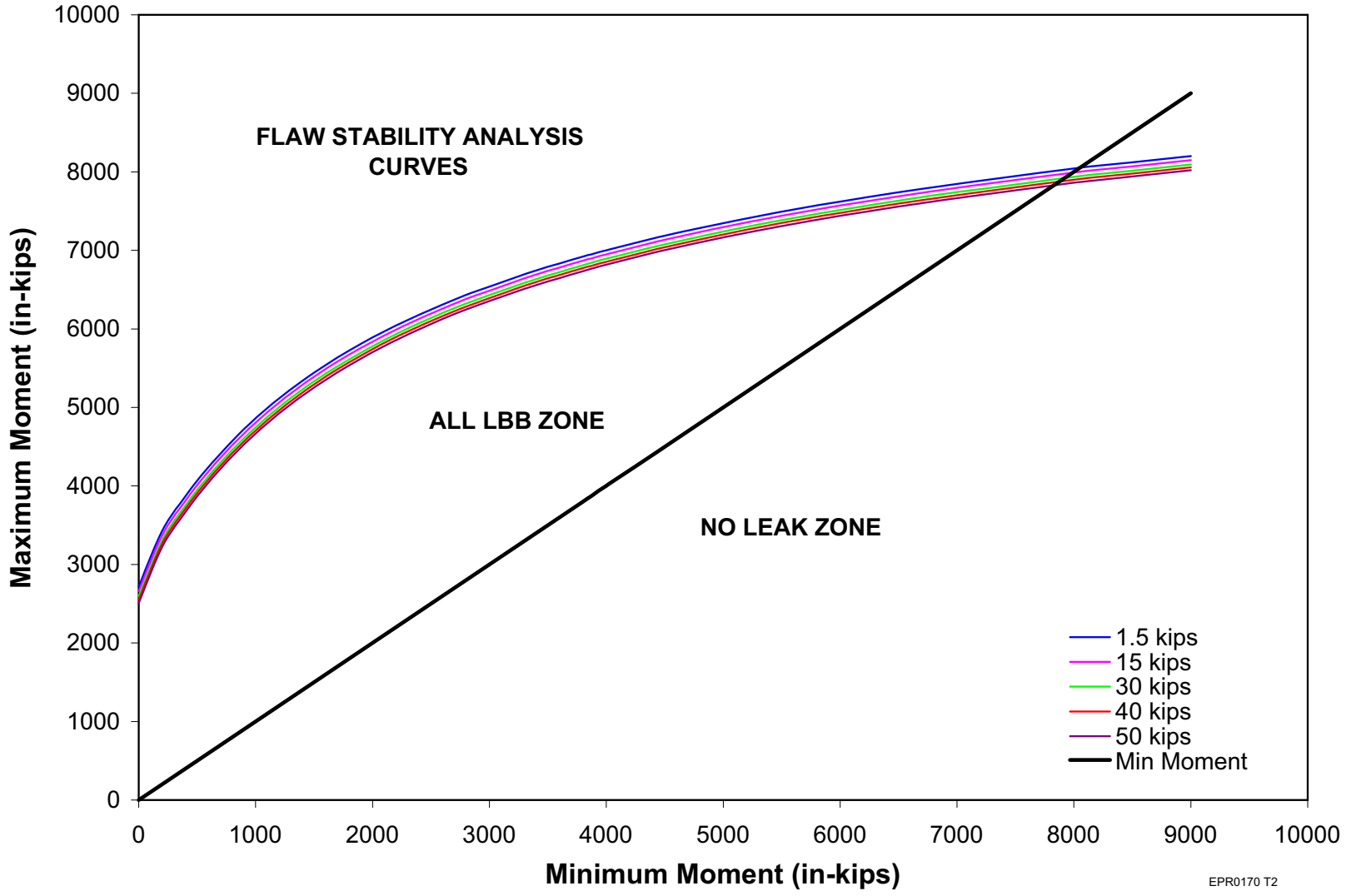

Figure 3.6.3-19—ALL for Surge Line Piping

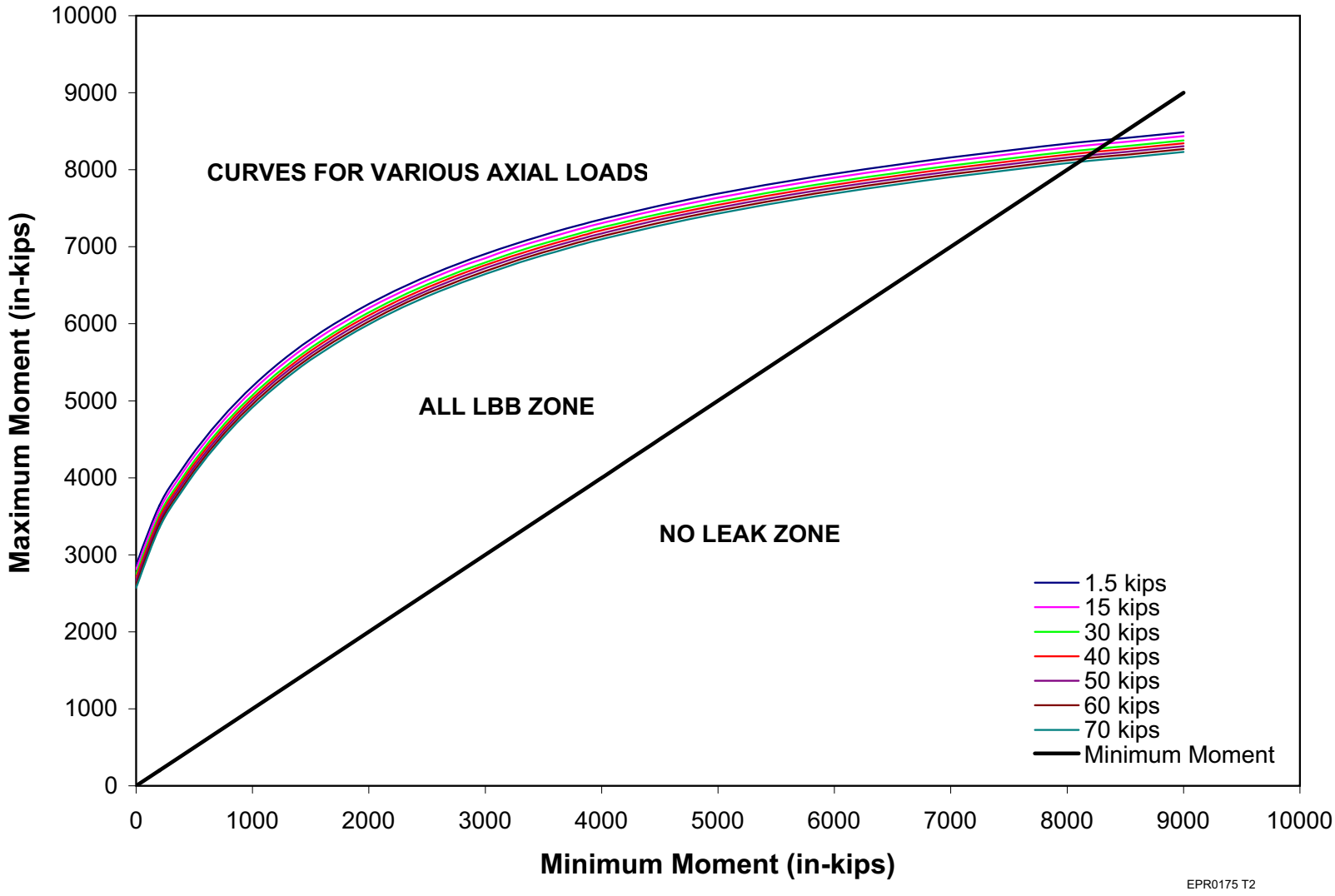

Figure 3.6.3-20—ALL for Hot Leg Nozzle

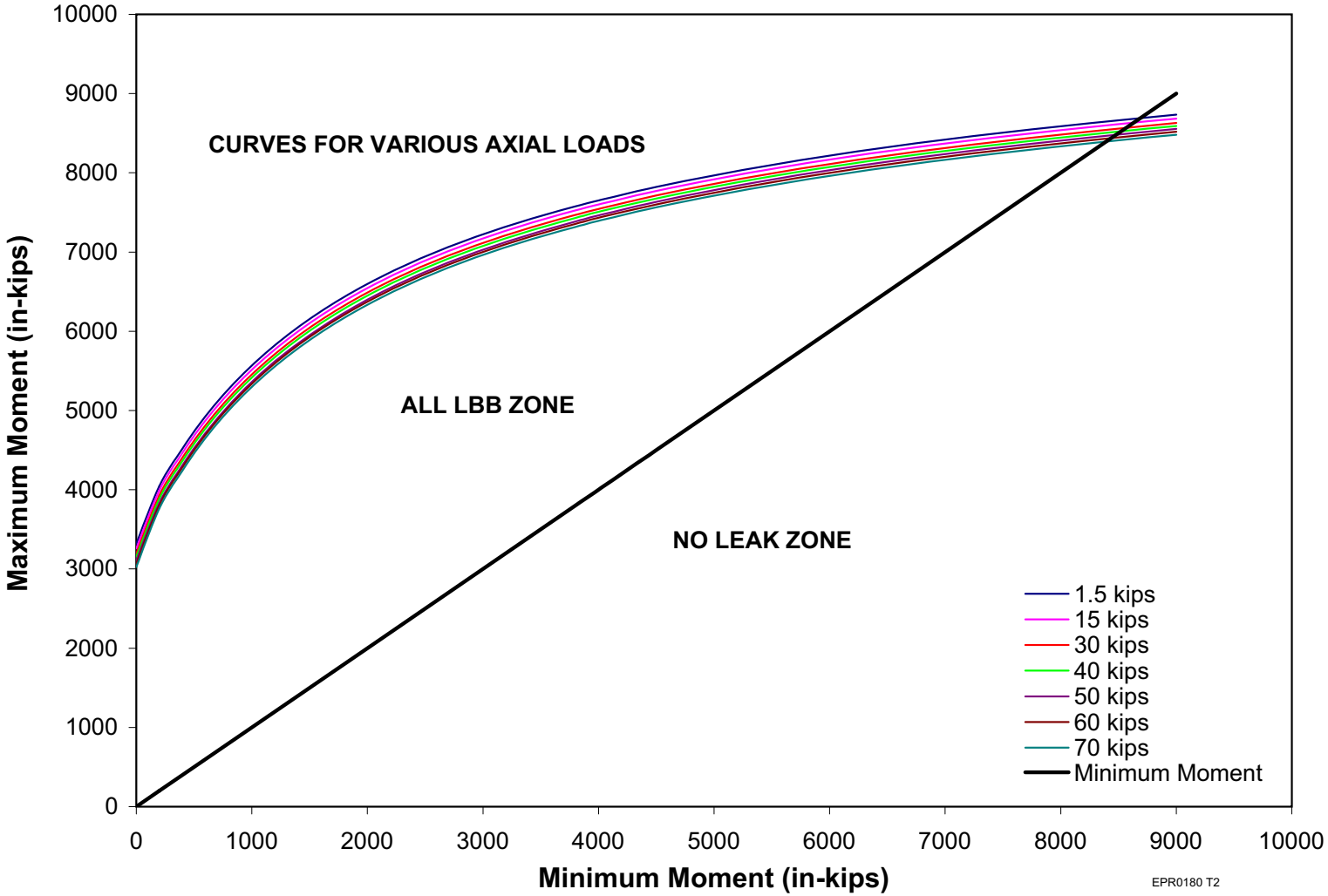

Figure 3.6.3-21—Comparison of Base and Weld Metal ALL in Main Steam Line Piping

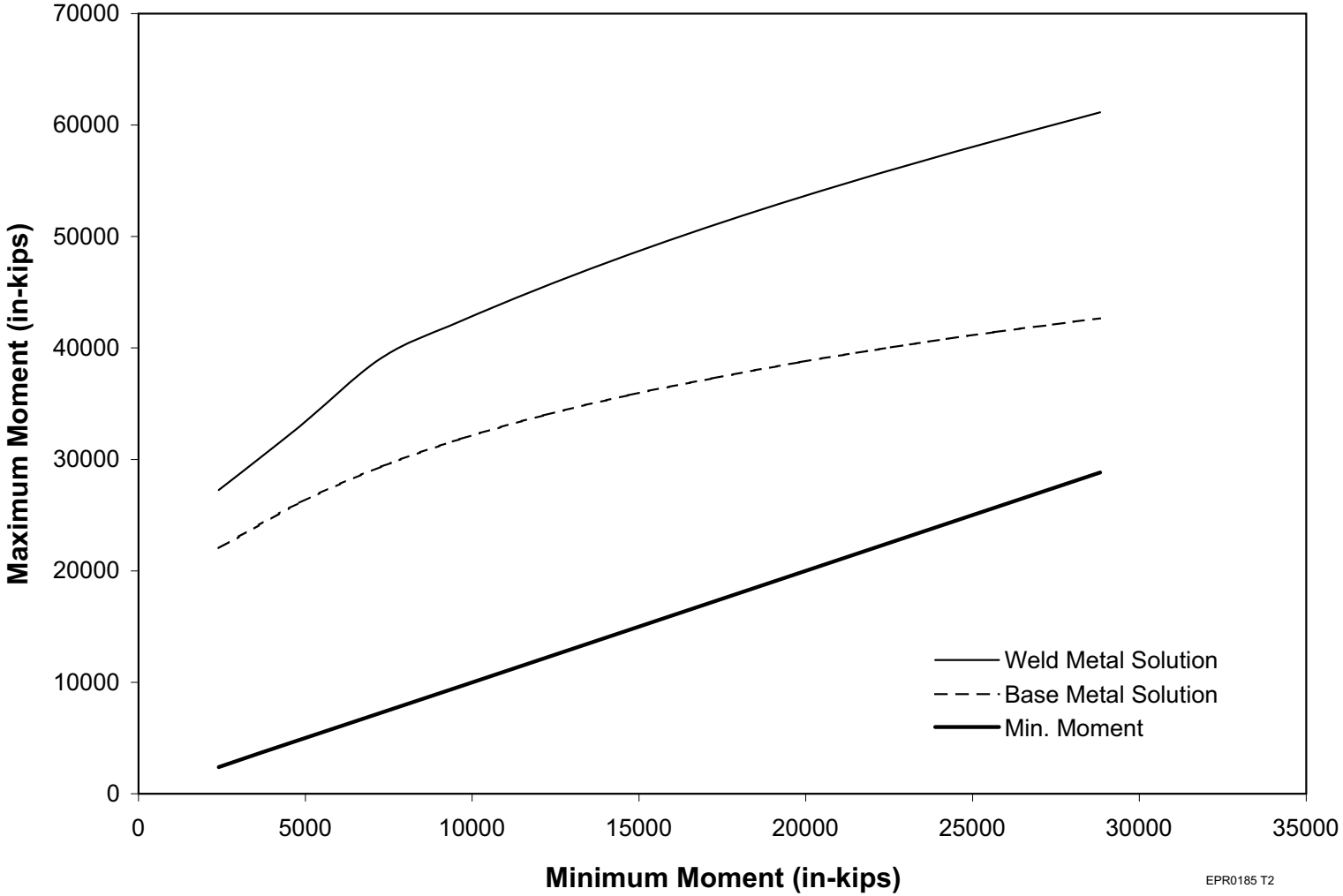

Figure 3.6.3-22—ALL for Main Steam Line Piping with Safety Factor of 2 on Flaw Size (Base Metal)

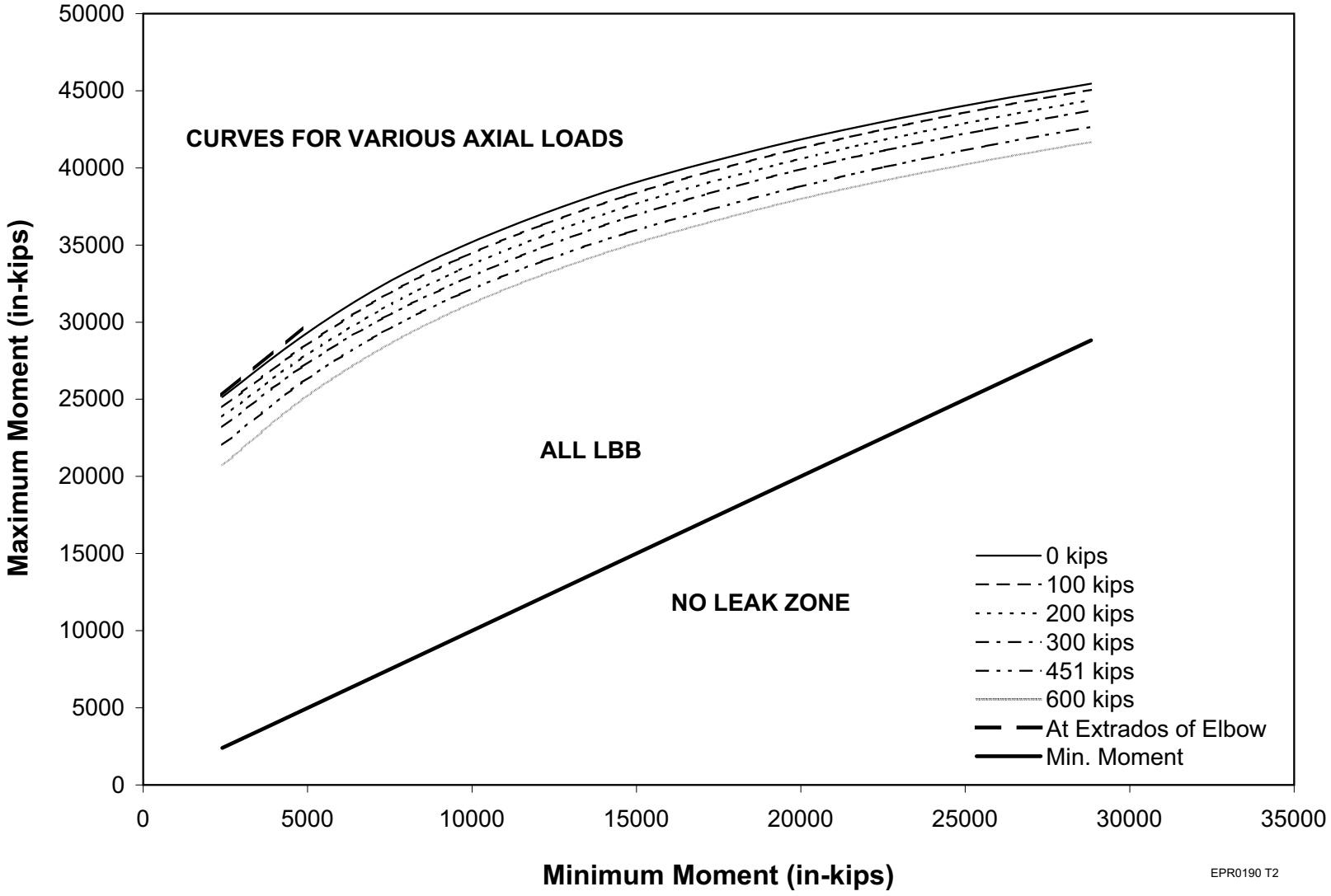

Figure 3.6.3-23—ALL for Main Steam Line Piping with Safety Factor of 1.7 on Flaw Size (Base Metal)