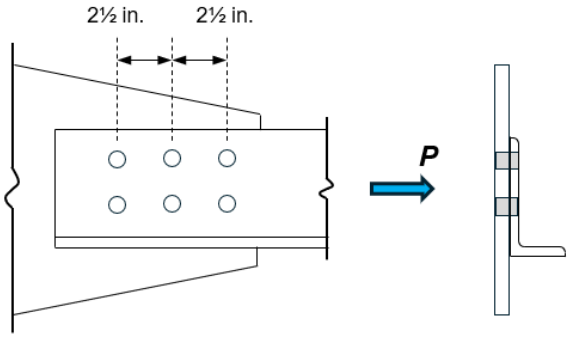
Classroom Problem 3.3-1: Compute the maximum acceptable tensile service load on a single angle **L6 x 3½ x ½** of **A572 Grade 50** steel (***Fy*** = 50 *ksi*, ***Fu*** = 65 *ksi*) that is connected along both legs. The 5-in. leg contains a double-gage line of ½ in.-diameter bolts. The live load is two times the dead load.



<u>Classroom Problem 3.3-2</u>: Compute the maximum acceptable tensile service load on a single angle **L5 x 5 x ¾** of **A572 Grade 50** steel (***F_y*** = 50 *ksi*, ***F_u*** = 65 *ksi*). The angle is welded to a gusset plate. The live load is two times the dead load.