

TABLE A-15
Charts of Theoretical Stress-
Concentration Factors K_t
(Continued)

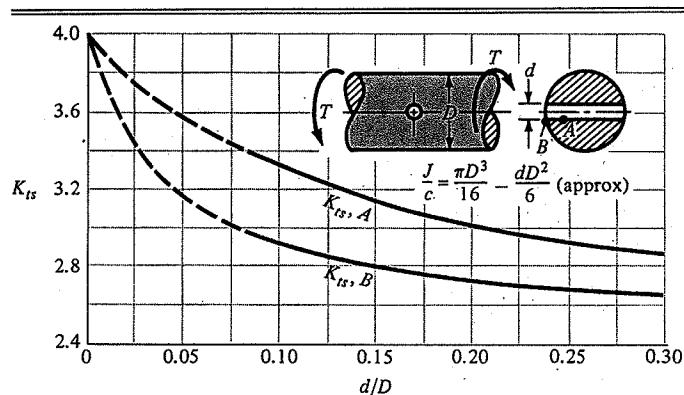


FIGURE A-15-10
Round shaft in torsion with transverse hole.

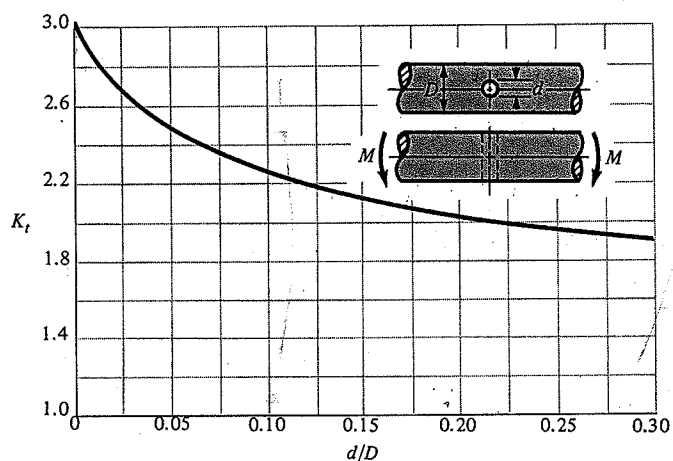


FIGURE A-15-11
Round shaft in bending with a transverse hole. $\sigma_0 = M/[(\pi D^3/32) - (d D^2/6)]$, approximately.

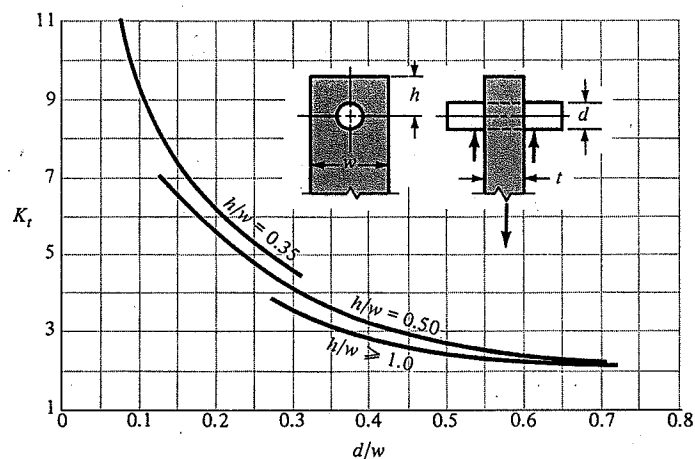


FIGURE A-15-12
Plate loaded in tension by a pin through a hole. $\sigma_0 = F/A$, where $A = (w - d)t$. When clearance exists, increase K_t 35 to 50 percent.
(M. M. Frocht and H. N. Hill, "Stress Concentration Factors around a Central Circular Hole in a Plate Loaded through a Pin in Hole," J. Appl. Mechanics, vol. 7, no. 1, March 1940, p. A-5.)