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Approximate Stress-Concentration Factors Kts for a Round Bar or Tube Having a Transverse Round Hole and Loaded in Torsion Source: R. E. Peterson, Stress-Concentration Factors, Wiley, New York, 1974, pp. 148, 244. $T D a T d$ The maximum stress occurs on the inside of the hole, slightly below the shaft surface. The nominal shear stress is $\tau_0 = T ...$

Charts of Theoretical Stress-Concentration Factors K*

This tab defines the stress concentration factor for a bar with a rectangular cross section and a central circular hole. ... "Peterson's Stress Concentration Factors," 3rd Edition "Roark's Formulas for Stress and Strain," 8th Edition Budynas-Nisbett, "Shigley's Mechanical Engineering Design," 8th Ed. ... Free Free Limited Limited Access to ...

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Useful Tables 1039 Table A-15 Charts of Theoretical Stress-Concentration Factors K_t (Continued) Figure A-15-16 Round shaft with flat-bottom groove in bending and/or tension. s 0 5 4 F p d 2 1 32 M p d 3 Source: W. D. Pilkey and D. F. Pilkey, Peterson's Stress-Concentration Factors, 3rd ed. John Wiley & Sons, Hoboken, NJ, 2008, p. 115.

Factors from R E Peterson Design Factors for Stress ...

Values for the notch sensitivity and typical geometric stress concentration factors are given in Figures 5.22-5.25 and Table 5.5. The miscellaneous factor k_g is used to account for residual stresses, heat treatment, corrosion, K_{qkft1} (1) $k_{Kff1kd b}$ 1.85 for 50 mm) 0 19.

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