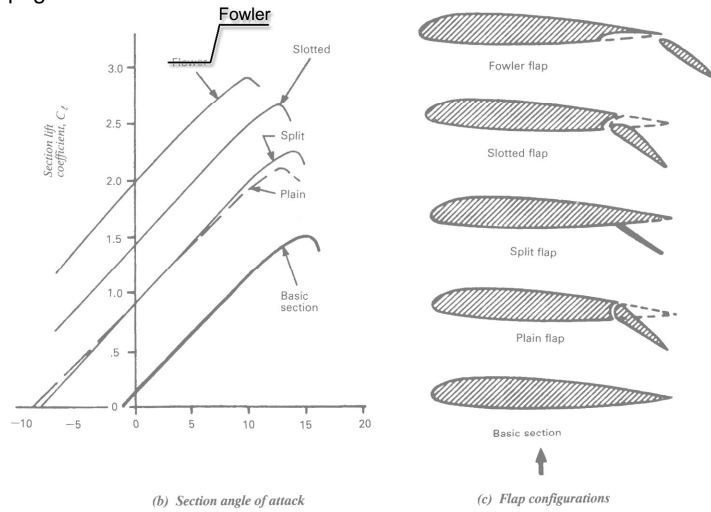


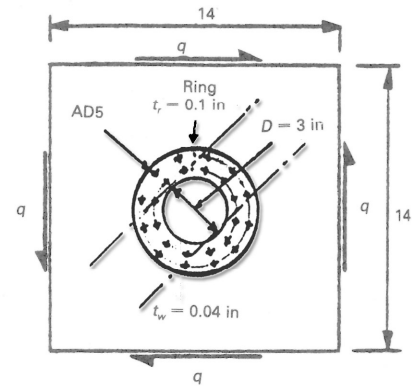
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Determine the size of ring with $D = 3$ in and rivet pattern.

Use AD5 (MS20470-AD5), 596 lb/rivet per MIL-HDBK-5D (Ref. 4.1) with rivet spacing approximately 0.8 in as shown in the sketch.

1.0

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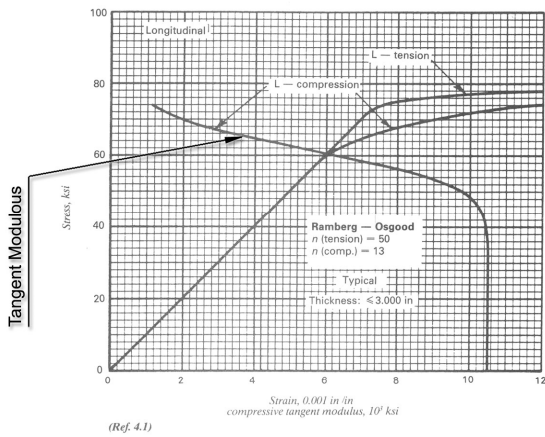


Fig. 4.3.9 Typical tensile and compressive stress-strain and compressive tangent-modulus curves for 7075-T6 and T651 aluminum alloy rolled-bar, rod, and shape at room temperature.

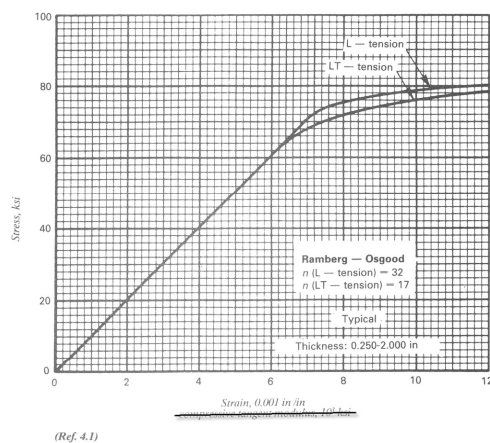


Fig. 4.3.10 Typical tensile stress-strain curves for 7075-T651 aluminum alloy plate at room temperature.

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- (5) Friction Welding: Friction welding joint is created through heat generated by forging under rotation force, see Fig. 7.6.7. This method is also referred to as inertia welding and offers a wide range in joining dissimilar metals. This process is more economical than either flash or pressure welding.

Fig. 7.6.4

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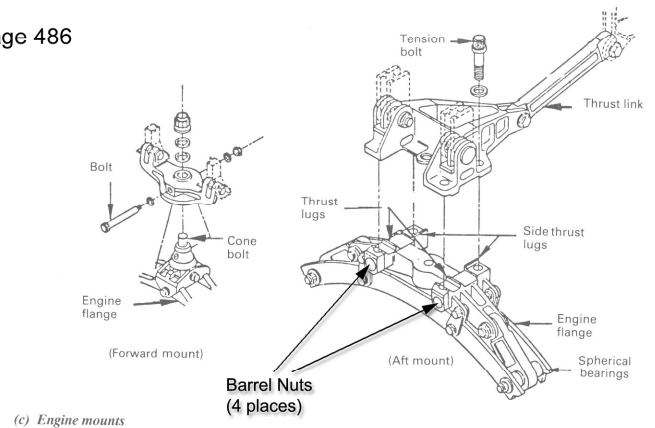


Fig. 13.4.7 (continued).