

Feb 16 1979

Mr. Gary Faulkenberry  
Continental-Emsco Company  
P.O. Box 401388  
Garland, Texas 75040

Dear Mr. Faulkenberry:

Your letter of December 5, 1978, refers to Title 49 CFR Section 192.149 Standard Fittings, Paragraph (b), the second sentence, which reads in part, "The actual burst strength of the fitting must at least equal the computed burst strength of the pipe of the designated material and wall thickness...." Your specific question was, "Is there a formula you can recommend to use that will adhere to the guidelines set in Section 192.149, Paragraph (b)?"

The requirement of this section is based on Paragraph 8 of ASA-B16.9, "Wrought Steel Butt welding Fittings" (1964 Edition) which does include a simple hoop stress formula for computing burst strength. A photo copy of this paragraph is enclosed for your information.

Sincerely,

Cesar DeLeon  
Associate Director for  
Pipeline Safety Regulation