

#Jenny



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#Diego Butler



*so many fake sites. this is the first one which worked! Many thanks*

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#### Question #42

A) Determine the maximum allowable working pressure allowed on stayed flat plates 11mm thick with staybolts attached by fusion welding in accordance with ASME Section I and pitched 145mm horizontally and vertically.

B) Calculate the diameter of staybolt required for the stayed flat plate used in part "A" if the maximum allowable stress of the staybolt is 48.0MPa.

Design Details:

S = 105000kPa

T = Design metal temperature is 300°C

Corrosion allowance = 0

Pressure is on the concave side

Note: All code questions are to be calculated in mm and MPa unless otherwise stated.

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