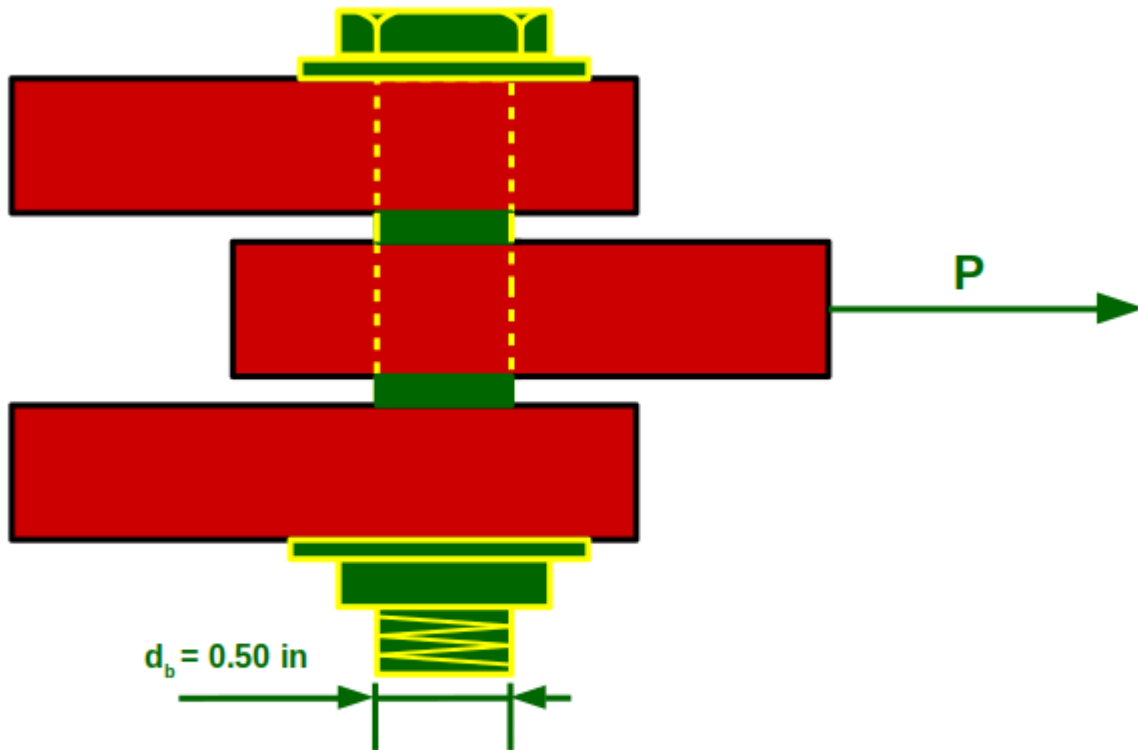




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Find the allowable load ( $P_{allow}$ ) for the bolted joint lap with diameter given ( $d_b = 0.5$  in), if the allowable average shear stress is 23 ksi ( $\tau_{allow} = 23$  ksi).



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**Answers (refer to solutions for detail)**

$$P_{allow} = 9.032 \text{ kips}$$