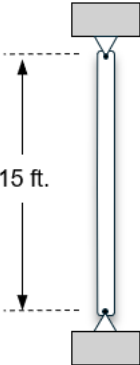


Classroom Problem 4.4-1: A **W12 x 45** of **A992** steel ($F_y = 50 \text{ ksi}$ and $F_u = 65 \text{ ksi}$) is 15 ft. long and pinned at the ends. Investigate the column for local stability.



Classroom Problem 4.4-2: A HSS 10 x 5 x 1/4 of A500 Grade C steel ($F_y = 50 \text{ ksi}$ and $F_u = 62 \text{ ksi}$) has a length of 10 ft., and the ends are pinned. Compute the flexural buckling strength.

