

Hooked Anchor Rod

<div><div></div><div>$\phi_t := 0.75$</div></div>	<div><div></div><div>$F_u := 70 \cdot \frac{\text{kgf}}{\text{mm}^2}$</div></div>	<div><div></div><div>limit tensile strength Table 8-26 p. 8-90</div></div>	<div><div></div><div>$d := 20 \cdot \text{mm}$</div></div>	<div><div></div><div>diameter</div></div>	<div><div></div><div>$f_c := 5 \cdot \text{ksi}$</div></div>
<div><div></div><div>$A_g := \pi \cdot \frac{d^2}{4}$</div></div>					
<div><div></div><div>$A_g = 0.49 \text{ in}^2$</div></div>					
<div><div></div><div>$\phi R_n := \phi_t \cdot F_u \cdot A_g$</div></div>					
<div><div></div><div>$L_{h_min} := \frac{\frac{\phi R_n}{2}}{0.7 \cdot f_c \cdot d}$</div></div>					
<div><div></div><div></div></div>					
<div><div></div><div>$\phi R_n = 36.36 \text{ kip}$</div></div>	<div><div></div><div>$\phi R_n = 16.49 \text{ ton}$</div></div>				
<div><div></div><div>$L_{h_min} = 6.6 \text{ in}$</div></div>	<div><div></div><div>$L_{h_min} = 0.17 \text{ m}$</div></div>	<div><div></div><div>projected bent orthogonal to rod length of leg</div></div>			