

Bar Size	Hole Diameter (in.)	Embedment (in.)	Tension Ultimate Bond Strength (kip)		Shear Strength (kip)
			100% F_y	125% F_y	
#4	5/8	4½	12.0	15.0	2.6
#5	3/4	5¾	18.6	23.2	4.8
#6	1	6¾	26.4	33.0	7.4
#7	1 1/8	8	36.0	45.0	10.6
#8	1 1/4	9	47.4	59.2	14.4
#9	1 3/8	10½	60.0	75.0	18.7

1. *Values are based on the use of 60-ksi reinforcement.*
2. *Embedment shown is considered as deep.*
3. *Anchors are considered 100% effective if the edge distance is equivalent to, or greater than, the standard embedment depth. The edge distance may be reduced to half the standard embedment depth if the strength is reduced linearly to 70%.*
4. *Anchors are considered 100% effective if the spacing is equivalent to, or greater than, the standard embedment depth. Spacing may be reduced to half the standard embedment depth if the strength is reduced linearly to 50%.*

DESIGN DATA FOR ANCHOR SYSTEMS

Figure 72-5A