

Pull-Out and Shear Test Results

Anchor Dia. (Inches)	2,000 PSI Concrete Tension in Ft./Lbs. (Embedment)	2,000 PSI Concrete Shear in Ft./Lbs. (Embedment)	4,000 PSI Concrete Tension in Ft./Lbs. (Embedment)
1/4	900 (at 1" minimum) 1,000 (at 1-1/2" maximum)	1,600 (at 1")	1,300 (at 1" minimum) 1,400 (at 1-1/2" maximum)
5/16	1,400 (at 1-1/4" minimum) 1,500 (at 1-7/8" maximum)	3,000 (at 1-1/4")	2,100 (at 1-1/4" minimum) 2,400 (at 1-7/8" maximum)
3/8	2,200 (at 1-1/2" minimum) 2,800 (at 2-1/4" maximum)	3,400 (at 1-1/2")	3,200 (at 1-1/2" minimum) 3,700 (at 2-1/4" maximum)
1/2	3,600 (at 2" minimum) 4,200 (at 3" maximum)	7,200 (at 2")	5,600 (at 2" minimum) 5,700 (at 3" maximum)
5/8	5,400 (at 2-1/2" minimum) 6,600 (at 3-3/4" maximum)	9,200 (at 2-1/2")	7,500 (at 2-1/2" minimum) 10,400 (at 3-3/4" maximum)
3/4	7,500 (at 3" minimum) 9,900 (at 4-1/2" maximum)	13,500 (at 3")	9,500 (at 3" minimum) 13,400 (at 4-1/2" maximum)

Maximum values shown. Use 1/4 of the capacities for the recommended 4:1 safety factor.