

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) | 1,800 (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) 9,800 (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.