

ULTIMATE PULLOUT (IN CONCRETE)		
Anchor Diameter	Embedment Depth	Concrete Compressive Strength
		3,000 psi
5/16"	1-3/4"	2,785 lbs.
3/8"	2-1/2"	5,445 lbs. 10% higher than wedge 28% higher than sleeve
1/2"	3"	7,415 lbs. equal to wedge 22% higher than sleeve

ULTIMATE SHEAR (IN CONCRETE)		
Anchor Diameter	Embedment Depth	Concrete Compressive Strength
		3,000 psi
5/16"	1-3/4"	3,045 lbs.
3/8"	2-1/2"	5,955 lbs. 10% higher than wedge 28% higher than sleeve
1/2"	3"	11,960 lbs. equal to wedge 22% higher than sleeve

A safety factor of 4:1 or 25% of ultimate pullout/shear value is generally accepted as a safe working load.