

# Maximum Tensile and Shear Values As Tested in 28-Day Unreinforced Stone Aggregate Concrete

Wej-It® and Hole Dia. (Inches)	Embedment Depth (Inches)	Tensile Strength at 2,000 PSI (Lbs.)	Shear Strength at 2,000 PSI (Lbs.)	Tensile Strength at 4,000 PSI (Lbs.)	Shear Strength at 4,000 PSI (Lbs.)
1/4	1	1,088	1,751	1,450	2,316
	1-1/8	1,320	1,751	1,780	2,316
	1-1/4	1,748	1,751	2,231	2,316
	1-1/2	1,855	1,751	2,473	2,316
3/8	1-1/2	2,876	4,286	3,834	5,213
	2	3,017	4,286	4,022	5,213
	3-1/2	3,299	4,286	4,399	5,213
	4	3,488	4,286	4,650	5,213
1/2	2	3,430	7,138	5,717	10,748
	2-1/4	3,473	7,138	5,789	10,748
	3-1/2	3,847	7,138	6,411	10,748
	4	4,328	7,138	7,213	10,748
	5	4,809	7,138	8,015	10,748
5/8	3	6,711	10,719	11,185	15,583
	3-1/2	7,582	10,719	12,636	15,583
	3-3/4	8,336	10,719	13,893	15,583
	4	8,623	10,719	14,372	15,583
3/4	3	11,579	15,537	19,299	21,000
	3-1/2	12,249	15,537	20,415	21,000
	4	12,918	15,537	21,530	21,000
	5	13,550	15,537	22,583	21,000

*Recommended safe working load is one-fourth tensile and shear values shown.*