

**TABLE NO.1 - PRO-POXY 300 FAST TENSION VALUES (lbs) FOR
THREADED ROD INSTALLED IN NORMAL WEIGHT CONCRETE** ^{1,2,3,4,5,6}

Anchor Diameter (Inches)	Bit Diameter (Inches)	Embedment (Inches)	Ultimate Bond Strength (lbs)				Allowable Steel Strength (lbs)		
			Concrete Strength, f'c				A36	A193 B7	300 Series Stainless
			2000 psi	2500 psi	4000 psi	5500 psi			
3/8	7/16	3-3/8	6530	7300	8250	9200	2110	4550	3100
3/8	9/16	3-3/8	8550	9560			2110	4550	3100
3/8	7/16	5-5/8	9820	10980	11360	11740	2110	4550	3100
1/2	9/16	4-1/2	9430	10540	11730	12920	3750	8100	5680
1/2	11/16	4-1/2	13090	14640			3750	8100	5680
1/2	9/16	7-1/2	13110	14660	17010	19360	3750	8100	5680
5/8	3/4	5-5/8	13240	14800	18870	22940	5880	12660	9040
5/8	7/8	5-5/8	20880	23340			5880	12660	9040
5/8	3/4	9-3/8	19280	21560	26260	30960	5880	12660	9040
3/4	7/8	6-3/4	20020	22380	25870	29360	8460	18220	11290
3/4	1	6-3/4	26700	29850			8460	18220	11290
3/4	7/8	11-1/4	27120	30320	34340	38360	8460	18220	11290
7/8	1	7-7/8	20420	22830	29235	35640	11500	24800	15580
7/8	1-1/8	7-7/8	32520	36360			11500	24800	15580
7/8	1	13-1/8	26670	29820			11500	24800	15580
1	1-1/8	9	20840	23300	28780	34260	15020	32400	20440
1	1-1/4	9	36440	40740			15020	32400	20440
1	1-1/8	15	34650	38340			15020	32400	20440
1-1/4	1-3/8	11-1/4	33240	37160	46760	56360	23480	50610	32700
1-1/4	1-3/8	18	44880	50180			23480	50610	32700

¹ The tabulated shear and tension values are for anchors installed in normal weight concrete having reached the designated ultimate compressive strength at the time of installation. Linear interpolation may be used for concrete strengths between those listed.
² Spacing and edge distance shall be in accordance with Table No. 5.
³ For other steel grades compare allowable tension values with table bond values and use the lesser. Stainless steel values are based on ASTM F 593, cold worked condition strength.
⁴ Allowable loads may be increased by 33-1/3% for short term loading due to earthquakes or wind.
⁵ 2000 psi ultimate loads were determined in accordance with Section 7.5 of ICBO-ES AC-58, by multiplying 2500 psi test results by a reduction factor of (2000/2500) ² 1/2 = 0.894.
⁶ Pro-Poxy 300 Fast is recognized for installation in water-filled or moist holes, for use in locations subject to severe exterior weathering conditions and for resisting tension and shear loads due to earthquake and wind.