

## Load Ratings of Carbon Steel Threaded Rod

Nominal Rod Diameter (in inches)	Root Area of Coarse Thread (in <sup>2</sup> )	Maximum Safe Load (lbs) Rod Temperature, 650°F	Maximum Safe Load (lbs) Rod Temperature, 750°F
1/4	0.027	240	210
3/8	0.068	610	540
1/2	0.126	1130	1010
5/8	0.202	1810	1610
3/4	0.302	2710	2420
7/8	0.419	3770	3360
1	0.552	4960	4420
1 1/8	0.693	6230	5560
1 1/4	0.889	8000	7140
1 1/2	1.293	11630	10370
1 3/4	1.744	15700	14000
2	2.292	20700	18460
2 1/4	3.021	27200	24260
2 1/2	3.716	33500	29880