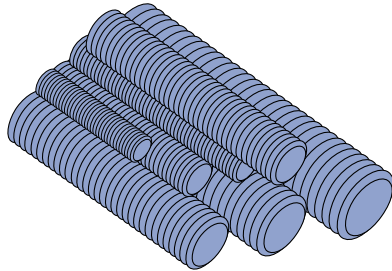


Steel Threaded Rod



Low Carbon Steel

 $F_y = 32,000$ psi $F_t = 52,000$ psi

Part No.	Size	Wt/100 Ft. Lbs (kg)
HTHR025	1/4" x 20	13 5.9
HTHR031	5/16" x 18	20 9.1
HTHR037	3/8" x 16	30 13.6
HTHR044	7/16" x 14	30 13.6
HTHR050	1/2" x 13	53 24.0
HTHR062	5/8" x 11	84 38.1
HTHR075	3/4" x 10	124 56.2
HTHR087	7/8" x 9	170 77.1
HTHR100	1" x 8	223 101.2

Load Carrying Capacity Of Threaded Hot Rolled Steel
Conforming To ASTM A575 And A576

Threaded Rod Loads for Piping Applications *

Nominal Diameter	Root Area In ² (mm ²)	Maximum Safe Load at 650°F (343°C) Lbs (kg)
3/8"	0.068 43.9	730 331
1/2"	0.126 81.3	1,350 612
5/8"	0.202 130.3	2,160 980
3/4"	0.302 194.8	3,230 1,465
7/8"	0.419 270.3	4,480 2,032
1"	0.552 356.1	5,900 2,676

* Based on MSS SP-58

Threaded Rod Loads for Structural Applications *

Nominal Diameter	Nominal Area In ² (mm ²)	Allowed Tension Load Lbs (kg)
1/4"	0.049 31.6	840 381
3/8"	0.110 71.0	1,890 857
7/16"	0.150 96.8	2,570 1,166
1/2"	0.196 126.5	3,360 1,524
5/8"	0.307 198.2	5,260 2,386
3/4"	0.442 285.4	7,580 3,438
7/8"	0.601 388.0	10,310 4,677
1"	0.785 506.8	13,470 6,110

* Based on AISC, Steel Construction Manual, ASD, 9th Edition

Per AISC, Allowed Tensile Stress = $0.33 * F_u$