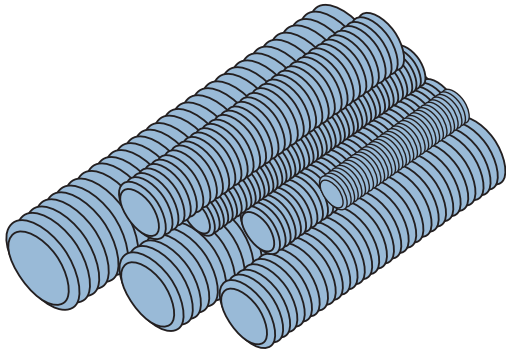




### STEEL THREADED ROD



Standard Length 12' (3.7m)

Low Carbon Steel  
 $F_y = 32,000$  psi minimum  
 $F_t = 52,000$  psi minimum

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 (based on MSS SP-58)		
Nominal Dia.	Root Area In <sup>2</sup> (mm <sup>2</sup> )	Max. Safe Load at 650°F (343°C) Lbs (kN)
3/8"	0.068 (43.9)	730 (3.25)
1/2"	0.126 (81.3)	1,350 (6.01)
5/8"	0.202 (130.3)	2,160 (9.61)
3/4"	0.302 (194.8)	3,230 (14.37)
7/8"	0.419 (270.3)	4,480 (19.93)
1"	0.552 (356.1)	5,900 (26.24)

Threaded Rod Loads for Structural Applications (Based on AISC, Steel Construction Manual, ASD, 9th Edition. Per AISC, Allowed Tensile Stress = $0.33 * F_u$ )		
Nominal Dia.	Nominal Area In <sup>2</sup> (mm <sup>2</sup> )	Allowed Tension Load Lbs (kN)
1/4"	0.049 (31.6)	840 (3.74)
3/8"	0.110 (71.0)	1,890 (8.41)
7/16"	0.150 (96.8)	2,570 (11.43)
1/2"	0.196 (126.5)	3,360 (14.95)
5/8"	0.307 (198.2)	5,260 (23.40)
3/4"	0.442 (285.4)	7,580 (33.72)
7/8"	0.601 (388.0)	10,310 (45.86)
1"	0.785 (506.8)	13,470 (59.92)

### MATERIAL

Unistrut channel nuts are manufactured from mild steel bars, and after machining operations are completed, they are case hardened, assuring positive biting action into the inturred edge of the Unistrut channel.

Bolt Size	Channel Nut ASTM
1/4" & 5/16"	A1011 SS GR45
3/8", 7/16" & 1/2"	A576 GR1015 Modified
5/8" & 3/4"	A36 or A675 GR60
7/8"	A36

### FINISHES

Nuts, bolts and washers are electro-galvanized (EG), ASTM B633 Type III SC1 finish, unless otherwise noted.

Many hardware items are also available in stainless steel. Consult factory for ordering information.

<b>Project:</b> _____ <b>Architect / Engineer:</b> _____ <b>Date:</b> _____ <b>Phone:</b> _____ <b>Contractor:</b> _____ <b>Address:</b> _____ _____ <b>Notes 1:</b> _____ _____ <b>Notes 2:</b> _____ _____	<b>Approval Stamp:</b> _____ _____ _____
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