

Magnum Piering® MTB075

Grade 75 All-Threadbar

22 ton to 480 ton Ultimate Capacity

75 ksi Yield, 100 ksi Ultimate Strength Continuous Threaded Bar



Description

Grade 75 All-Thread bars have an ultimate capacity from 22 to 480 tons in tension and compression (fully braced conditions only). All-Thread bars can be used in a variety of applications including micropiles, rock anchors, soil nails, and soil anchors for permanent and temporary structures. All-threadbars are typically installed in ground using a fixed or articulated mast microdrill with down-hole or top vibratory hammer. These systems can have advantages over helical piles and push piers in soils with excessive rock, cobble, or debris. They also are useful when penetration into hard to very hard bedrock is required. Ultimate and yield strength shown in specifications below is indicative of the steel structural strength without corrosion. The strength of micropiles, rock anchors, soil nails, and soil anchors in ground may be limited by the soil-grout bond or grout-steel bond. Magnum recommends that all thread bar applications be designed by a licensed professional engineer or architect experienced in the design of these systems. Magnum technical support representatives are available to assist with design of grouted thread bar systems for a multitude of applications.



SPECIFICATIONS						
Designation	Nominal Diameter	Gross Area	Ultimate Strength	Yield Strength	Nominal Weight	Part Number
06	3/4"	0.44 in ²	22 tons	17 tons	1.5 plf	MTB075-06LH
07	7/8"	0.60 in ²	30 tons	23 tons	2.0 plf	MTB075-07LH
08	1"	0.79 in ²	40 tons	30 tons	2.7 plf	MTB075-08LH
09	1-1/8"	1.00 in ²	50 tons	38 tons	3.4 plf	MTB075-09LH
10	1-1/4"	1.27 in ²	64 tons	48 tons	4.3 plf	MTB075-10LH
11	1-3/8"	1.56 in ²	78 tons	59 tons	5.3 plf	MTB075-11LH
14	1-3/4"	2.25 in ²	113 tons	84 tons	7.7 plf	MTB075-14RH
18	2-1/4"	4.00 in ²	200 tons	150 tons	13.6 plf	MTB075-18RH
20	2-1/2"	4.91 in ²	246 tons	184 tons	16.7 plf	MTB075-20RH
28	3-1/2"	9.61 in ²	480 tons	360 tons	32.7 plf	MTB075-28RH

LH = Left Hand Thread
RH = Right Hand Thread

Magnum Piering, Inc.

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All Magnum Products Made in U.S.A.

U.S. Patents 6,058,662 and 5,234,287; Other Patents Pending.