

UNISORB VECTOR ANCHOR BOLTS



DESCRIPTION:

Made from high quality forged steel, Vector Bolts have a series of angular facets which resolve stress forces into a cone-shaped pressure pattern. An advantage of this unique design is the increased contact area between the bolt and the grout. The wedge shaped design on the bottom of the bolt transfers the tensile load of the stud into a lateral compressional load in the foundation assuring maximum pull out strengths. This results in reduction of embedment depth required to achieve full strength as well as lowering construction costs and the cost of grouting material.

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Bolt Diameter (mm/in.)	Available Lengths (in./mm)	Failure Load* (lbs)	Calculated Minimum Embedment	Recommended Minimum Embedment	Recommended Torque Values (Ft. lbs)**
12mm (1/2")	6" (150mm) 8" (200mm)	12,100	4.0"	5.0"	27
16mm (5/8")	6" (150mm) 8" (200mm) 10" (255mm) 12" (300mm) 14" (355mm) 18" (460mm)	22,600	5.5"	6.5"	67
20mm (3/4")	8" (200mm) 10" (255mm) 12" (300mm) 14" (355mm) 16" (410mm) 18" (460mm)	35,300	7.0"	8.0"	130
24mm (15/16")	12" (300mm) 14" (355mm) 16" (410mm) 18" (460mm) 20" (508mm) 24" (610mm)	50,800	8.0"	10.0"	225
30mm (1 3/16")	12" (300mm) 14" (355mm) 16" (410mm) 18" (460mm) 24" (610mm)	80,800	10.0"	12.5"	447
36mm (1-7/16")	16" (410mm) 24" (610mm)	117,700	12.0"	15.0"	781
* UTS of 93,000, Material grade C-45 (Germany) ** These torque values should stress the anchor to a level of 45%-60% of it's yield strength.					