

No-Wrench Screw Anchor Load Capacity

No-Wrench Screw Anchor Application Table

Catalog Number	Helix Diameter (Inches)	Shaft Length (Inches)	Shaft Diameter (Inches)	Ultimate Holding Strength (Lbs-force)			
				Soil Class 8	Soil Class 7	Soil Class 6	Soil Class 5
J6524WCA	4	54	3/4	500	1,500	3,000	4,000
J6526WCA	6	66	3/4	1,000	2,000	4,000	6,500
J6528WCA	8	66	1	2,000	4,000	7,000	10,000
J6530WCA	10	66	1-1/4	3,000	6,000	9,000	12,000
J6550WCA	10	96	1-1/4	3,000	6,000	9,000	12,000
J6585WCA	15	96	1-1/4	6,000	13,000	16,000	18,000

Note: Installing procedures and embedment depth must be followed to assure the anchor load capacity.

No-Wrench Screw Anchor Application Table (Metric)

Catalog Number	Helix Diameter (cm)	Shaft Length (cm)	Shaft Diameter (cm)	Ultimate Holding Strength (kg-force)			
				Soil Class 8	Soil Class 7	Soil Class 6	Soil Class 5
J6524WCA	10.2	137.2	1.9	227	680	1,361	1,814
J6526WCA	15.2	167.6	1.9	454	907	1,814	2,948
J6528WCA	20.3	167.6	2.5	907	1,814	3,175	4,536
J6530WCA	25.4	167.6	3.2	1,361	2,722	4,082	5,443
J6550WCA	25.4	243.8	3.2	1,361	2,722	4,082	5,443
J6585WCA	38.1	243.8	3.2	2,722	5,897	7,257	8,165

Note: Installing procedures and embedment depth must be followed to assure the anchor load capacity.



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Soil Classification Table

Class	Common Soil-Type Description	Geological Soil Classification	Typical Blow Count "N" per ASTM-D1586
0	Sound hard rock, unweathered	Granite, Basalt, Massive Limestone	N.A. ROD = 50-1/2
1	Very dense and/or cemented sands; coarse gravel and cobbles	Caliche, (Nitrate-bearing gravel/rock)	60-100+
2	Dense Fine sand; very hard silts and clays (may be preloaded)	Basal till; boulder clay; caliche; weathered laminated rock	45-60
3	Dense clays, sands and gravel; hard silts and clays	Glacial till; weathered shales, schist, gneiss and siltstone	35-50
4	Medium dense sandy gravel; very stiff to hard silts and clays	Glacial fill; hardpan; marls	24-40
5	Medium dense coarse sand and sandy gravels; stiff to very stiff silts and clays	Saprolites, residual soils	14-25
6	Loose to medium dense fine to coarse sand; firm stiff clays and silts	Dense hydraulic fill; compacted fill; residual soils	7-14
7**	Loose fine sand; Alluvium; loess; soft-firm clays; varied clays; fill	Flood plain soils; lake clays; adobe; gumbo, fill	4-8
8**	Peat, organic silts; inundated silts, fly ash	Miscellaneous fill, swamp marsh	0-5

