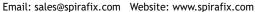


40mm Spirafix™ Ground Anchor Load Chart

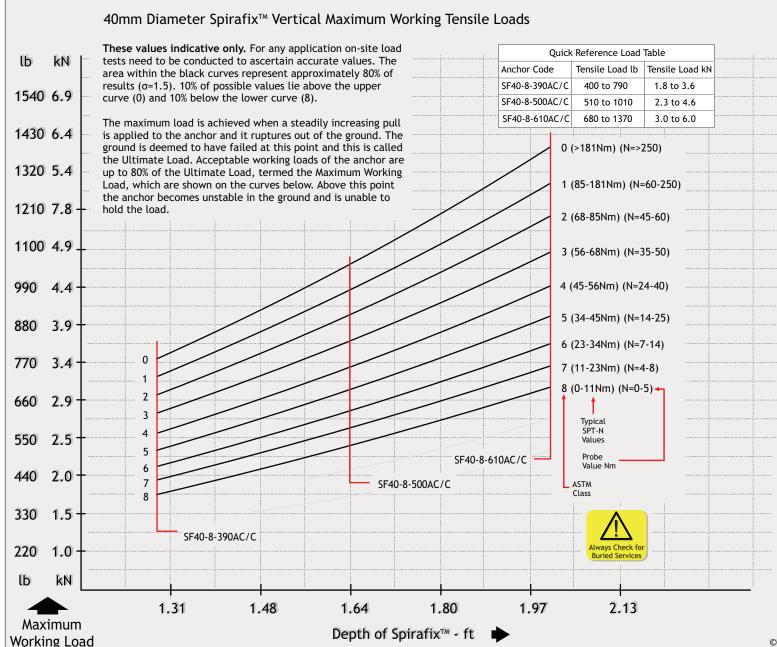
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Soil Classification				
Basic Soil Type	Sub Group	Compaction/ Strength	SPT-N	ASTM Class
Sands	Sand	Very Loose Loose Compact Cemented	0-3 3-8 8-30 30-58	8 5 3 1
	Sandy Clay/ Sandy Silt	Soft Firm Stiff	3-8 8-30 30-58	5 3 1
Silts	Silts	Very Soft Soft Firm	7-14 14-25 25-60	6 5 4
	Silty Clay	Soft Firm Stiff	7-14 14-25 25-60	6 5 4
Clays	Clay	Very Soft Soft Firm Stiff Very Stiff Hard	0-5 4-8 7-14 14-25 35-60 >60	8 7 6 5 3
Peats	Organic Clay Silt or Sand	Firm	0-5	8
	Peat	Spongy Plastic	0-5 0-5	8 8
Chalks	Very Weak Weak Moderately Weak Moderately strong to very strong		0-25 25-100 100-250 >250	6 2 1 0
Notes:				

Soil Classification

The above classifications are outlined in BS 5930 with the exception of chalk and the "Sands" and "Clays" sections have been expanded. Also chalk is not covered in the ASTM classification, but for the purposes of predicting loads it has been assigned values. The range of pull out loads in strong chalks can be considerably higher than shown on the chart and field tests need to be carried out to obtain accurate values.

The Standard Penetration Test (SPT) N values quoted above are in accordance with BS1377:1990 Part9, ASTM Standard D1586-84 and AS 1289.6.3.1-1993

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