



Anchor Code	Tensile Load kgs	Tensile Load kN
SF75-12-1100AC/C	1350 to 2700	13.2 to 26.5
SF75-12-1320AC/C	1750 to 3700	17.2 to 36.3
SF75-12-1760AC/C	2300 to 5000	22.6 to 49.1
SF75-12-2200AC/C	3000 to 6500	29.4 to 63.8
SF75-12-2640AC/C	3800 to 8200	37.3 to 80.4

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

**Notes:**

The above classifications are outlined in BS5930 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 Part 9, ASTM Standard D1586-84 and AS 1289.6.3.1-1993

