kn

78.4

73.5

68.6

63.7

58.8

53.9

39.2

29.4

24.5

19.6

14.7

9.8

1000

working load

0

2

3

4

5

6

7 8

SF75-12-1100AC

1400

1200

kqs

8000

7500

7000

6500

6000

5500

5000

4500

4000

3500

3000

2500

5000

1500

1000

## **Spirafix Limited**

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Designed & Manufactured in # Britain

0 (>181Nm)

(N=>250)

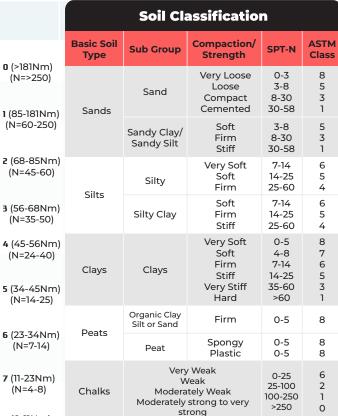
(N=45-60)

(N=35-50)

for Buried

Services

2600



## 75mm DiameterSpirafix™ Vertical Maximum Working Tensile Loads These values indicative only. For any application on-site load tests need to

be conducted to ascertain accurate values. The area within the black curves represent approximately 70% of results ( $\sigma$ =1.5). 10% of possible values lie above the upper curve (0) and 10% below the lower curve (8).

The maximum load is achieved when a steadily increasing pull is applied to the anchor and it ruptures out of the ground. The ground is deemed to have failed at this point and this is called the Ultimate Load. Acceptable working loads of the anchor are up to 70% of the Ultimate Load, termed the Maximum Working Load, which are shown on the curves below. Above this point the anchor becomes unstable in the ground and is unable to hold the load.

**Quick Reference Load Chart** 

SF75-12-1320AC

1600

depth of spirafix<sup>™</sup> - mm III

1800

	Anchor code	Tensile Load kgs	Tensile Load kN
	SF75-12-1100	1350 to 2700	13.2 to 26.5
	SF75-12-1320	1750 to 3700	17.2 to 36.3
	SF75-12-1760	2300 to 5000	22.6 to 49.1
	SF75-12-2200	3000 to 6500	29.4 to 63.8
	SF75-12-2640	3800 to 8200	37.3 to 80.4
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2000

5500

2400

## Notes:

The above classifications are outlined in BS 5930 with the exception of chalk and the "Sands" and "Clavs" 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