

SS225 (SQUARE-SHAFT) ANCHORS HOLDING CAPACITY CHART FOR SS225 (SQUARE-SHAFT) ANCHORS

**LOAD (1) CAPACITY BASED ON INSTALLATION TORQUE (2)
TYPE SS ANCHORS IN SOIL (POUNDS TENSION (kN))**

Catalog No.	Length ft.(m)	Helix Dia in. (mm)	Installation Torque ft-lb (N-m) - Continued below												
			1,500 (2.0)	2,000 (2.7)	2,500 (3.4)	3,000 (4.1)	3,500 (4.8)	4,000 (5.4)	4,500 (6.1)	5,000 (6.8)	5,500 (7.5)	6,000 (8.1)	6,500 (8.8)	7,000 (9.5)	7,500 (10.2)
C1101957	5' (1.52)	8 (203)-10 (254)	17,000 (75.6)	23,000 (102.3)	29,000 (129.0)	34,000 (151.2)	40,000 (177.9)	46,000 (204.6)	52,000 (231.3)	58,000 (258.0)	64,100 (285.1)	69,900 (310.9)	75,800 (337.2)	81,600 (363.0)	87,400 (388.8)
C1101958	6.5' (1.98)	10 (254) - 12 (305)	18,000 (80.1)	24,000 (106.8)	30,000 (133.4)	36,000 (160.1)	42,000 (186.8)	48,000 (213.5)	54,000 (240.2)	60,000 (266.9)	67,000 (298.0)	73,100 (325.2)	79,200 (352.3)	85,300 (379.4)	91,400 (406.6)
C1100544	6.5' (1.98)	8 (203)-10 (254) - 12 (305)	19,000 (84.5)	25,000 (111.2)	31,000 (137.9)	38,000 (169.0)	44,000 (195.7)	50,000 (222.4)	56,000 (249.1)	62,000 (275.8)	69,900 (310.9)	76,200 (339.0)	82,600 (367.4)	88,900 (395.4)	95,300 (423.9)
C1101463	6.5' (1.98)	10 (254) - 12 (305) - 14 (356)	20,000 (89.0)	26,000 (115.7)	32,000 (142.3)	39,000 (173.5)	46,000 (204.6)	52,000 (231.3)	58,000 (258.0)	65,000 (289.1)	72,700 (323.4)	79,300 (352.7)	85,900 (382.1)	92,500 (411.5)	99,100 (440.8)
C1100591	10' (3.05)	8 (203)-10 (254) - 12 (305) - 14 (356)	20,000 (89.0)	27,000 (120.1)	34,000 (151.2)	40,000 (177.9)	47,000 (209.1)	54,000 (240.2)	61,000 (271.3)	68,000 (302.5)	75,300 (335.0)	82,100 (365.2)	89,000 (395.9)	95,800 (426.1)	102,600 (456.4)
C1101586	10' (3.05)	10 (254)-12 (305) - 14 (356) - 14 (356)	21,000 (93.4)	28,000 (124.6)	35,000 (155.7)	42,000 (186.8)	49,000 (218.0)	56,000 (249.1)	63,000 (280.2)	70,000 (311.4)	78,200 (347.9)	85,300 (379.4)	92,400 (411.0)	99,500 (442.6)	106,600 (474.2)

See holding capacity notes 1 & 2 on page 2

Catalog No.	Length ft.(m)	Helix Dia in. (mm)	Installation Torque ft-lb (N-m) - Continued from above												
			8,000	8,500 (11.5)	9,000 (12.2)	9,500 (12.9)	10,000 (13.6)	10,500 (14.2)	11,000 (14.9)	11,500 (15.6)	12,000 (16.3)	12,500 (16.9)	13,000 (17.6)	13,500 (18.3)	14,000 (19.0)
C1101957	5' (1.52)	8 (203)-10 (254)	93,200 (414.6)	99,100 (440.8)	104,900 (466.6)	110,700 (492.4)	116,600 (518.7)	122,400 (544.5)	128,200 (570.3)	134,100 (596.5)	139,900 (622.3)	145,700 (648.1)	151,600 (674.4)	157,400 (700.2)	163,200 (725.9)
C1101958	6.5' (1.98)	10 (254) - 12 (305)	97,500 (433.7)	103,500 (460.4)	109,600 (487.5)	115,700 (514.7)	121,800 (541.8)	127,900 (568.9)	134,000 (596.1)	140,100 (623.2)	146,200 (650.3)	146,500** (651.7)	146,500** (651.7)	146,500** (651.7)	146,500** (651.7)
C1100544	6.5' (1.98)	8 (203)-10 (254) - 12 (305)	101,700 (452.4)	108,000 (480.4)	114,400 (508.9)	120,700 (536.9)	127,100 (565.4)	133,400 (593.4)	139,800 (621.9)	146,200 (650.3)	152,500 (678.4)	158,900 (706.8)	165,200 (734.8)	171,600 (763.3)	177,900 (791.3)
C1101463	6.5' (1.98)	10 (254) - 12 (305) - 14 (356)	105,700 (470.2)	112,300 (499.5)	118,900 (528.9)	125,600 (558.7)	132,200 (588.1)	138,800 (617.4)	145,400 (646.8)	152,000 (676.1)	158,600 (705.5)	165,200 (734.8)	171,800 (764.2)	178,400 (793.6)	185,100 (823.4)
C1100591	10' (3.05)	8 (203)-10 (254) - 12 (305) - 14 (356)	109,500 (487.1)	116,300 (517.3)	123,200 (548.0)	130,000 (578.3)	136,900 (609.0)	143,700 (639.2)	150,600 (669.9)	157,400 (700.2)	164,300 (730.8)	171,100 (761.1)	178,000 (791.8)	184,800 (822.0)	191,700 (852.7)
C1101586	10' (3.05)	10 (254)-12 (305) - 14 (356) - 14 (356)	113,700 (505.8)	120,800 (537.3)	127,900 (568.9)	135,000 (600.5)	142,100 (632.1)	149,200 (663.7)	156,400 (695.7)	163,500 (727.3)	170,600 (758.9)	177,700 (790.4)	184,800 (822.0)	191,900 (853.6)	199,000 (885.2)

See holding capacity notes 1 & 2 on page 2

Catalog No.	Length ft.(m)	Helix Dia in. (mm)	Installation Torque ft-lb (N-m) - Continued from above												
			14,500 (19.6)	15,000 (20.3)	15,500 (21.0)	16,000 (21.7)	16,500 (22.4)	17,000 (23.1)	17,500 (23.8)	18,000 (24.5)	18,500 (25.2)	19,000 (25.9)	19,500 (26.6)	20,000 (27.3)	20,500 (28.0)
C1101957	5' (1.52)	8 (203)-10 (254)	169,000 (751.7)	170,000** (756.2)	170,000** (756.2)	170,000** (756.2)	170,000** (756.2)	170,000** (756.2)	170,000** (756.2)	170,000** (756.2)	170,000** (756.2)	170,000** (756.2)	170,000** (756.2)	170,000** (756.2)	170,000** (756.2)
C1101958	6.5' (1.98)	10 (254) - 12 (305)	146,500** (651.7)	146,500** (651.7)	146,500** (651.7)	146,500** (651.7)	146,500** (651.7)	146,500** (651.7)	146,500** (651.7)	146,500** (651.7)	146,500** (651.7)	146,500** (651.7)	146,500** (651.7)	146,500** (651.7)	146,500** (651.7)
C1100544	6.5' (1.98)	8 (203)-10 (254) - 12 (305)	184,300 (819.8)	190,600 (847.8)	197,000 (876.3)	200,000* (889.6)	200,000* (889.6)	200,000* (889.6)	200,000* (889.6)	200,000* (889.6)	200,000* (889.6)	200,000* (889.6)	200,000* (889.6)	200,000* (889.6)	200,000* (889.6)
C1101463	6.5' (1.98)	10 (254) - 12 (305) - 14 (356)	191,700 (852.7)	198,300 (882.1)	200,000* (889.6)	200,000* (889.6)	200,000* (889.6)	200,000* (889.6)	200,000* (889.6)	200,000* (889.6)	200,000* (889.6)	200,000* (889.6)	200,000* (889.6)	200,000* (889.6)	200,000* (889.6)
C1100591	10' (3.05)	8 (203)-10 (254) - 12 (305) - 14 (356)	198,500 (883.0)	200,000* (889.6)	200,000* (889.6)	200,000* (889.6)	200,000* (889.6)	200,000* (889.6)	200,000* (889.6)	200,000* (889.6)	200,000* (889.6)	200,000* (889.6)	200,000* (889.6)	200,000* (889.6)	200,000* (889.6)
C1101586	10' (3.05)	10 (254)-12 (305) - 14 (356) - 14 (356)	200,000* (889.6)	200,000* (889.6)	200,000* (889.6)	200,000* (889.6)	200,000* (889.6)	200,000* (889.6)	200,000* (889.6)	200,000* (889.6)	200,000* (889.6)	200,000* (889.6)	200,000* (889.6)	200,000* (889.6)	200,000* (889.6)

*Minimum Ultimate Tension Strength = 200,000 lbs.
 **Ultimate Capacity of Helices Limits Anchor Capacity
 See holding capacity notes 1 & 2 on page 2



LOAD (1) CAPACITY BASED ON SOIL CLASS
LOAD CAPACITY OF TYPE SS 200 SCREW ANCHORS IN SOIL (POUNDS TENSION)

Helix Dia In. (mm)	Class 7	Class 6	Class 5	Class 4	Class 3	Class 2	Class 1
8 (203)-10 (254)	19,000 (84.5)	23,000 (102.3)	27,000 (120.1)	32,000 (142.3)	36,000 (160.1)	41,000 (182.4)	45,400 (201.9)
10 (254) - 12 (305)	21,000 (93.4)	26,000 (115.7)	31,000 (137.9)	36,000 (160.1)	41,000 (182.4)	46,000 (204.6)	51,000 (226.9)
8 (203)-10 (254) - 12 (305)	26,000 (115.7)	32,000 (142.3)	39,000 (173.5)	46,000 (204.6)	51,000 (226.9)	58,000 (258.0)	64,000 (284.7)
10 (254) - 12 (305) - 14 (356)	29,000 (129.0)	37,000 (164.6)	45,000 (200.2)	53,000 (235.8)	61,000 (271.3)	69,000 (306.9)	77,000 (342.5)
8 (203)-10 (254) - 12 (305) - 14 (356)	31,000 (137.9)	40,000 (177.9)	49,000 (218.0)	58,000 (258.0)	67,000 (298.0)	76,000 (338.1)	85,000 (378.1)
10 (254) -12 (305) - 14 (356)- 14 (356)	40,000 (177.9)	51,000 (226.9)	62,000 (275.8)	73,000 (324.7)	84,200 (374.5)	95,200 (423.5)	100,000 (444.8)

*Minimum Ultimate Tension Strength = 200,000 lbs.

Note 1: Load capacities listed above are ultimate values based on average test data and are offered as an application guide. Typical deflection at ultimate load ranges between 2 and 4 inches. The listed values should be reduced by an appropriate factor of safety. More specific data on soils and anchor performance in any site condition can be obtained by contacting Hubbell Power Systems. Minimum installation depth of top helix is 5 x diameter of top helix. For example, if top helix is 12", the top helix should be 5' vertically below grade.

Note 2: The torque values shown are steady values in homogeneous soils. The torque values shown are obtained by averaging the readings from the last 2 feet of anchor penetration.

