

## SS200 (SQUARE-SHAFT) ANCHORS HOLDING CAPACITY CHART FOR SS200 (SQUARE-SHAFT) ANCHORS

LOAD (1) CAPACITY BASED ON INSTALLATION TORQUE (2) -  
TYPE SS 200 ANCHORS IN SOIL (POUNDS TENSION (KN))

Catalog No.	Length ft.(m)	Helix Dia in. (mm)	Installation Torque (ft-lb) (Continued Below)														
			1500 (2.0)	2000 (2.7)	2500 (3.4)	3000 (4.1)	3500 (4.8)	4000 (5.4)	4500 (6.1)	5000 (6.8)	5500 (7.5)	6000 (8.1)	6500 (8.8)	7000 (9.5)	7500 (10.2)	8000 (10.8)	8500 (11.5)
C1101166	2.5 (0.76)	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)	64,140 (285.3)	69,970 (311.2)	75,800 (337.2)	81,633 (363.1)	87,464 (389.0)	93,295 (415.0)	99,126 (440.9)
C1101256	3.5 (1.07)	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)	67,030 (298.2)	73,125 (325.3)	79,218 (352.3)	85,312 (379.5)	91,406 (406.6)	97,500 (433.7)	103,593 (460.8)
C1100570	5 (1.52)	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)	69,920 (311.0)	76,280 (339.3)	82,635 (367.6)	88,990 (395.8)	95,348 (424.1)	101,705 (452.4)	108,061 (480.7)
C1100791	7.0 (2.13)	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)	72,720 (323.5)	79,330 (352.9)	85,943 (382.3)	92,554 (411.7)	99,165 (441.1)	105,776 (470.5)	112,387 (500.0)
C1100573	10.0 (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)	75,310 (335.0)	82,159 (365.5)	89,005 (395.9)	95,852 (426.4)	102,700 (456.4)	109,545 (487.3)	116,392 (517.7)

See holding capacity notes 1 & 2 at bottom of page

Installation Torque (ft-lb) (Continued from above)														
9000 (12.2)	9500 (12.9)	10000 (13.6)	10500 (14.2)	11000 (14.9)	11500 (15.6)	12000 (16.3)	12500 (16.9)	13000 (17.6)	13500 (18.3)	14000 (19.0)	14500 (19.6)	15000 (20.3)	15500 (21.0)	16000 (21.7)
104,957 (466.8)	110,788 (492.8)	116,619 (518.7)	120,000** (533.8)	120,000** (533.8)	120,000** (533.8)	120,000** (533.8)	120,000** (533.8)	120,000** (533.8)	120,000** (533.8)	120,000** (533.8)	120,000** (533.8)	120,000** (533.8)	120,000** (533.8)	120,000** (533.8)
109,687 (487.9)	115,781 (515.0)	120,000** (533.8)	120,000** (533.8)	120,000** (533.8)	120,000** (533.8)	120,000** (533.8)	120,000** (533.8)	120,000** (533.8)	120,000** (533.8)	120,000** (533.8)	120,000** (533.8)	120,000** (533.8)	120,000** (533.8)	120,000** (533.8)
114,418 (508.9)	120,774 (537.2)	127,130 (565.5)	133,487 (593.8)	139,844 (622.0)	146,200 (650.3)	150,000* (667.2)	150,000* (667.2)	150,000* (667.2)	150,000* (667.2)	150,000* (667.2)	150,000* (667.2)	150,000* (667.2)	150,000* (667.2)	150,000* (667.2)
118,998 (529.3)	125,609 (558.7)	132,220 (588.1)	138,831 (617.5)	145,442 (646.9)	150,000* (667.2)	150,000* (667.2)	150,000* (667.2)	150,000* (667.2)	150,000* (667.2)	150,000* (667.2)	150,000* (667.2)	150,000* (667.2)	150,000* (667.2)	150,000* (667.2)
123,238 (548.2)	130,084 (578.6)	136,931 (609.1)	143,778 (639.5)	150,000* (667.2)	150,000* (667.2)	150,000* (667.2)	150,000* (667.2)	150,000* (667.2)	150,000* (667.2)	150,000* (667.2)	150,000* (667.2)	150,000* (667.2)	150,000* (667.2)	150,000* (667.2)

\*Minimum Ultimate Tension Strength = 150,000 lbs.

\*\*Ultimate Capacity of Helicies Limits Anchor Capacity

See holding capacity notes 1 & 2 at bottom of page

## 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)	45,453 (202.2)
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 (226.8)
8 (203) - 10 (254) - 12(305)	26,000 (115.7)	32,000 (142.3)	39,000 (173.5)	46,000 (204.6)	51,000 (226.8)	58,000 (258.0)	64,020 (284.8)
10 (254) - 12 (305) - 14 (356)	29,000 (129.0)	37,000 (164.6)	45,000 (200.2)	53,000 (235.7)	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)

\*Minimum Ultimate Tension Strength = 150,000 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.