

**SS5 (SQUARE-SHAFT) ANCHORS**  
**HOLDING CAPACITY CHART FOR SS5 (SQUARE-SHAFT) ANCHORS**

Catalog No.	Length Ft.(m)	Helix Combinations In. (mm)	Std. Pkg. / Pallet	Holding Capacity - (lb. (kN)) vs. Soil Class					
				Class 7	Class 6	Class 5	Class 4	Class 3	Class 2
O12642AE*	3 (0.9)	8 (203) - 10 (254)	1/20	19,000 (84.5)	23,000 (102.3)	27,000 (120.1)	32,000 (142.3)	36,000 (160.1)	41,000 (182.4)
O12642EJ	3.5 (1.1)	10 (254) - 12 (305)	1/20	21,000 (93.4)	26,000 (115.7)	31,000 (137.9)	36,000 (160.1)	41,000 (182.4)	46,000 (204.6)
O12642AEJ*	5.5 (1.7)	8 (203) - 10 (254) - 12 (305)	1/20	26,000 (115.7)	32,000 (142.3)	39,000 (173.5)	46,000 (204.6)	51,000 (226.9)	58,000 (258.0)
O12642EJN*	7 (2.1)	10 (254) - 12 (305) - 14 (356)	1/20	29,000 (129.0)	37,000 (164.6)	45,000 (200.2)	53,000 (235.8)	61,000 (271.3)	69,000 (306.9)
O12642AEJN	10.5 (3.2)	8 (203) - 10 (254) - 12 (305) - 14 (356)	1/20	31,000 (137.9)	40,000 (177.9)	49,000 (218.0)	58,000 (258.0)	67,000 (298.0)	N/A
O12642EJNS*	10.5 (3.2)	10 (254) - 12 (305) - 14 (356) - 14 (356)	1/20	40,000 (177.9)	51,000 (226.9)	62,000 (275.8)	70,000 (311.4)	N/A	N/A

**ROCK-IT™ Square Shaft Lead Sections includes forged carbide tip to improve penetration**

C1101290	3 (0.9)	6 (152) - 8 (203)	1/20	16,700 (74.3)	20,600 (91.6)	23,500 (104.5)	28,400 (126.3)	31,400 (139.7)	36,300 (161.5)
C1101291	3 (0.9)	8 (203) - 10 (254)	1/20	19,000 (84.5)	23,000 (102.3)	27,000 (120.1)	32,000 (142.3)	36,000 (160.1)	41,000 (182.4)
C1101292	5.5 (1.7)	8 (203) - 10 (254)	1/20	19,000 (84.5)	23,000 (102.3)	27,000 (120.1)	32,000 (142.3)	36,000 (160.1)	41,000 (182.4)

\*RUS Accepted.

See holding capacity notes 1 & 2 at bottom of page.

\*Packaging note: Lead sections are banded to wood blocks to facilitate forklift handling.

**LOAD CAPACITY<sup>1</sup> BASED ON INSTALLATION TORQUE<sup>2</sup>**  
**LOAD CAPACITY OF SS ANCHORS IN SOIL (POUNDS TENSION (kN))**

Helix Combinations In. (mm)	Installation Torque ft-lb (kN-m)								
	1500 (2)	2000 (2.7)	2500 (3.4)	3000 (4.1)	3500 (4.7)	4000 (5.4)	4500 (6.1)	5000 (6.8)	5500 (7.5)
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)	63,000 (280.2)
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)	66,000 (293.6)
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)	68,000 (302.5)
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)	70,000 (311.4)
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)	70,000 (311.4)
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)	70,000 (311.4)

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.