


**Ultimate Tension Load Capacities for Snake+ in Normal-Weight Uncracked Concrete<sup>1,2,3,4</sup>**

Anchor Diameter in. (mm)	Minimum Embedment Depth in. (mm)	Minimum Concrete Compressive Strength					
		$f'_c = 2,500$ psi (17.2 MPa)		$f'_c = 3,000$ psi (20.7 MPa)		$f'_c = 6,000$ psi (41.4 MPa)	
		Tension lbs. (kN)	Shear lbs. (kN)	Tension lbs. (kN)	Shear lbs. (kN)	Tension lbs. (kN)	Shear lbs. (kN)
1/4 (6.3)	1-5/8 (41)	2,130 (9.5)	1,045 (4.6)	2,335 (10.4)	1,045 (4.6)	-	-
3/8 (9.5)	1-5/8 (41)	2,165 (9.7)	1,045 (4.6)	2,370 (10.6)	1,045 (4.6)	3,190 (14.2)	1,045 (4.6)
1/2 (12.7)	2-3/16 (55)	5,590 (24.9)	2,050 (9.1)	6,125 (27.3)	2,050 (9.1)	7,425 (33.1)	2,050 (9.1)

1. Tabulated load values are for anchors installed in concrete. Concrete compressive strength must be at the specified minimum at the time of installation.

2. Ultimate load capacities must be reduced by a minimum safety factor of 4.0 or greater to determine allowable working load.

3. The tabulated load values are applicable to single anchors in uncracked concrete installed at critical spacing distance between anchors and at critical edge distance.

4. Ultimate shear capacity is controlled by steel strength of ASTM A36 element (or equivalent).

**ORDERING INFORMATION**
**Carbon Steel Snake+ Screw Anchor**

Cat. No.	Anchor Size	Embedment	Internal Thread Depth	Std. Box	Std. Ctn.
6400SD	1/4"	1-5/8"	11/32"	100	1,000
6401SD	3/8"	1-5/8"	23/32"	50	500
6403SD	1/2"	2-1/2"	15/16"	50	300


**Setting Tool for Snake+ Screw Anchor**

Cat. No.	Anchor Size	Std. Ctn.
6402SD	1/4"	1
6407SD	3/8"	1
6404SD	1/2"	1

