



The Spike® is a one-piece tamper proof, vibration resistant anchor for use in concrete, block, brick or stone. Several head styles and anchor materials are available.

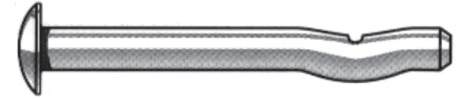
The Spike® anchor is formed with an "s" shaped configuration at the working end of the anchor to create an expansion mechanism. Since the anchor is pre expanded, there is no secondary tightening operation required which greatly reduces the overall cost of an anchor installation.

Sizes



Perma-Seal™ Coated Carbon Steel Spike®

Anchor Size	Drill Dia.	Min. Embed.	Std. Box	Std. Ctn.
1/4" x 1-1/4"	1/4"	7/8"	500	500
1/4" x 1-1/2"	1/4"	7/8"	500	500
1/4" x 2"	1/4"	1-1/4"	500	500
1/4" x 2-1/2"	1/4"	1-1/4"	500	500
1/4" x 3"	1/4"	1-1/4"	500	500
1/4" x 3-1/2"	1/4"	1-1/4"	500	500
1/4" x 4"	1/4"	1-1/4"	500	500
1/4" x 4-1/2"	1/4"	1-1/4"	500	500
1/4" x 5"	1/4"	1-1/4"	500	500
1/4" x 5-1/2"	1/4"	1-1/4"	500	500
1/4" x 6"	1/4"	1-1/4"	250	250
1/4" x 6-1/2"	1/4"	1-1/4"	250	250
1/4" x 7"	1/4"	1-1/4"	250	250
1/4" x 7-1/2"	1/4"	1-1/4"	250	250
1/4" x 8"	1/4"	1-1/4"	250	250
1/4" x 9"	1/4"	1-1/4"	250	250



Mushroom Head Grade 8.2 Carbon Steel Spike®

Anchor Size	Drill Dia.	Min. Embed.	Std. Box	Std. Ctn.
1/4" x 1"	1/4"	7/8"	100	1000
1/4" x 1-1/4"	1/4"	1"	100	1000
1/4" x 1-1/2"	1/4"	1-1/4"	100	1000
1/4" x 2"	1/4"	1-1/4"	100	1000
1/4" x 2-1/2"	1/4"	1-1/4"	100	1000
1/4" x 3"	1/4"	1-1/4"	100	1000
1/4" x 3-1/2"	1/4"	1-1/4"	100	1000
1/4" x 4"	1/4"	1-1/4"	100	500
3/8" x 2"	3/8"	1-3/4"	25	250
3/8" x 2-1/2"	3/8"	1-3/4"	25	250
3/8" x 3"	3/8"	1-3/4"	25	250
3/8" x 3-1/2"	3/8"	1-3/4"	25	250
3/8" x 4"	3/8"	1-3/4"	25	250
3/8" x 5"	3/8"	1-3/4"	25	250
3/8" x 6"	3/8"	1-3/4"	25	250

The published length is measured from below the head to the end of the anchor.



Flat Head Grade 8.2 Carbon Steel Spike®

Anchor Size	Drill Dia.	Min. Embed.	Std. Box	Std. Ctn.
1/4" x 1-1/2"	1/4"	1-1/4"	100	1000
1/4" x 2"	1/4"	1-1/4"	100	1000
1/4" x 2-1/2"	1/4"	1-1/4"	100	1000
1/4" x 3"	1/4"	1-1/4"	100	1000
1/4" x 3-1/2"	1/4"	1-1/4"	100	1000
1/4" x 4"	1/4"	1-1/4"	100	500

The published length is the overall length of the anchor.

Ultimate Tension and Shear Load Capacities for Carbon Steel Spike®

	Drill Dia.	Embed Depth	Concrete			Concrete Block
			3K PSI	4K PSI	5K PSI	
Tensile						
	1/4"	7/8"	820	945	1,010	440
	1/4"	1"	975	1,135	1,185	670
	1/4"	1 1/4"	1,100	1,550	1,700	800
	3/8"	1 3/4"	2,530	3,140	3,435	N/A
Shear						
	1/4"	7/8"	2,040	2,230	2,360	1,650
	1/4"	1"	2,310	2,460	2,640	1,840
	1/4"	1 1/4"	2,500	2,750	3,200	2,100
	3/8"	1 3/4"	6,310	7,080	7,150	N/A



Mushroom Head Type 316 Stainless Steel Spike®

Anchor Size	Drill Dia.	Min. Embed.	Std. Box	Std. Ctn.
1/4" x 1"	1/4"	7/8"	100	1000
1/4" x 1-1/4"	1/4"	1"	100	1000
1/4" x 1-1/2"	1/4"	1-1/4"	100	1000
1/4" x 2"	1/4"	1-1/4"	100	1000
1/4" x 2-1/2"	1/4"	1-1/4"	100	1000
1/4" x 3"	1/4"	1-1/4"	100	1000
1/4" x 3-1/2"	1/4"	1-1/4"	100	1000
1/4" x 4"	1/4"	1-1/4"	100	500
3/8" x 2"	3/8"	1-3/4"	25	250
3/8" x 2-1/2"	3/8"	1-3/4"	25	250
3/8" x 3"	3/8"	1-3/4"	25	250

Published length is measured from below the head to the end of the anchor.

*Supplied with EPDM Sealing Washer. **Discontinued item once stock is exhausted.

Ultimate Tension and Shear Load Capacities for Stainless Steel Spike®

	Drill Dia.	Embed Depth	Concrete			Concrete Block
			3K PSI	4K PSI	5K PSI	
Tensile						
	1/4"	7/8"	790	880	980	435
	1/4"	1"	970	1,045	1,125	645
	1/4"	1 1/4"	1,080	1,465	1,660	770
	3/8"	1 3/4"	1,990	2,420	2,570	N/A
Shear						
	1/4"	7/8"	1,980	2,140	2,270	1,350
	1/4"	1"	2,290	2,350	2,530	1,620
	1/4"	1 1/4"	2,430	2,610	2,840	1,890
	3/8"	1 3/4"	5,610	6,235	6,500	N/A