

# Strong-Bolt® 2 Wedge Anchor — Mechanically Galvanized



Strong-Bolt 2 wedge-type expansion anchor in a mechanically galvanized finish can be used where a high-load-resisting anchor is needed for exterior applications. It has the same dual undercutting embossments on each clip segment as the zinc-electroplated version. Suitable for horizontal, vertical and overhead applications, the STB2-MG anchor is tested in uncracked concrete in accordance with AC193 and also in uncracked masonry in accordance with AC01.

## Features

- Chamfered top designed to prevent mushrooming during installation
- Suitable for horizontal, vertical and overhead applications
- Tested for minimum concrete thickness of 3 1/4"
- Standard (ANSI) fractional sizes: fits standard fixtures and installs with common drill bit and tool sizes
- Tested per ACI355.2 and AC193

**Material:** Carbon steel

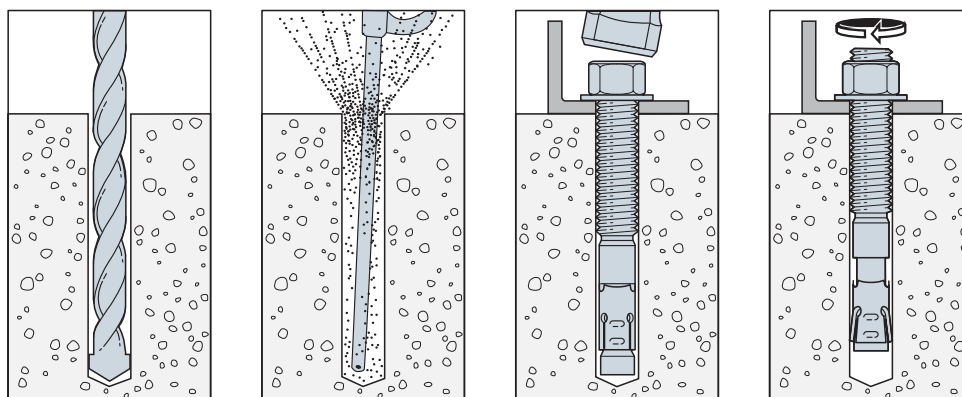
**Coating:** Mechanically galvanized

## Installation

- Do not use an impact wrench to set or tighten the Strong-Bolt 2 anchor.
- Caution:** Oversized holes in the base material will make it difficult to set the anchor and will reduce the anchor's load capacity.

1. Drill a hole in the base material using a carbide drill bit the same diameter as the nominal diameter of the anchor to be installed. Drill the hole to the specified minimum hole depth, and blow it clean using compressed air. (Overhead installations need not be blown clean.) Alternatively, drill the hole deep enough to accommodate embedment depth and dust from drilling.
2. Assemble the anchor with nut and washer so the top of the nut is flush with the top of the anchor. Place the anchor in the fixture, and drive it into the hole until the washer and nut are tight against the fixture.
3. Tighten to the required installation torque.

## Installation Sequence



## Strong-Bolt 2 Anchor Installation Data

Strong-Bolt 2 Diameter (in.)	1/4	3/8	1/2	5/8	3/4
Drill Bit Size (in.)	1/4	3/8	1/2	5/8	3/4
Min. Fixture Hole (in.)	5/16	7/16	9/16	11/16	7/8
Wrench Size (in.)	7/16	9/16	3/4	15/16	1 1/8



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### Head Stamp

The head is stamped with the length identification letter, bracketed top and bottom by horizontal lines.



Access our Anchor Designer™ software at [app.strongtie.com/ad](http://app.strongtie.com/ad).

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## Strong-Bolt 2 Anchor Product Data — Mechanically Galvanized

Size (in.)	Mechanically Galvanized Model No.	Drill Bit Diameter (in.)	Thread Length (in.)	Quantity	
				Box	Carton
¼ x ¾	STB2-25314MGR100	¼	2⅞	100	500
⅜ x 3	STB2-37300MGR50	⅜	1⅞	50	250
⅜ x 3¾	STB2-37334MGR50	⅜	2⅞	50	250
⅜ x 5	STB2-37500MGR50	⅜	3⅞	50	200
⅜ x 7	STB2-37700MGR50	⅜	5⅞	50	200
½ x 2¾	STB2-50234MGR25	½	1¼	25	125
½ x 3¾	STB2-50334MGR25	½	2⅞	25	100
½ x 4¼	STB2-50414MGR25	½	2⅞	25	100
½ x 5½	STB2-50512MGR25	½	3⅞	25	100
½ x 7	STB2-50700MGR25	½	5⅞	25	100
½ x 8½	STB2-50812MGR25	½	6	25	100
½ x 10	STB2-50100MGR25	½	6	25	100
⅝ x 3½	STB2-62312MGR20	⅝	1⅝	20	80
⅝ x 4½	STB2-62412MGR20	⅝	2⅞	20	80
⅝ x 5	STB2-62500MGR20	⅝	2⅞	20	80
⅝ x 6	STB2-62600MGR20	⅝	3⅞	20	80
⅝ x 7	STB2-62700MGR20	⅝	4⅞	20	80
⅝ x 8½	STB2-62812MGR20	⅝	4⅞	20	80
⅝ x 10	STB2-62100MGR10	⅝	6	10	20
⅝ x 12	STB2-62120MGR10	⅝	6	10	20
¾ x 4¾	STB2-75434MGR10	¾	2⅝	10	40
¾ x 5½	STB2-75512MGR10	¾	3⅞	10	40
¾ x 6¼	STB2-75614MGR10	¾	3⅞	10	40
¾ x 7	STB2-75700MGR10	¾	4⅞	10	40
¾ x 8½	STB2-75812MGR10	¾	6	10	20
¾ x 10	STB2-75100MGR10	¾	6	10	20
¾ x 12	STB2-751200MGR5	¾	6	5	10

## Head Stamp on Strong-Bolt 2 Wedge Anchors (Letter Corresponds to Length of Anchor — Inches)

Mark	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
From	1½	2	2½	3	3½	4	4½	5	5½	6	6½	7	7½	8	8½	9	9½	10	11	12	13	14	15	16	17	18
Up To But Not Including	2	2½	3	3½	4	4½	5	5½	6	6½	7	7½	8	8½	9	9½	10	11	12	13	14	15	16	17	18	19