

Product Submittal

Coversheet



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Submitted By:

Submitted To:

Products

Anchoring Systems

Strong-Bolt® 2 Wedge Anchor — Mechanically Galvanized

Approved with Notes
Approved
Denied

Notes

Anchoring Systems

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Strong-Bolt® 2 Wedge Anchor — Mechanically Galvanized



The 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.

Key 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 in uncracked concrete per ACI355.2 and AC193

Material

- Carbon steel

Finish

- Mechanically galvanized

Installation

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.

Strong-Bolt 2 Diameter (in.)	Drill Bit Size (in.)	Min. Fixture Hole (in.)	Wrench Size (in.)	Concrete Installation Torque (ft.-lbf.)
1/4	1/4	5/16	7/16	4
3/8	3/8	7/16	9/16	20
1/2	1/2	9/16	3/4	45
5/8	5/8	11/16	15/16	60
3/4	3/4	7/8	1 1/8	90

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Strong-Bolt® 2 Wedge Anchor — Mechanically Galvanized (Continued)

SIMPSON

Strong-Tie

Disclaimer

Some specific models of this product might not be covered in the associated code reports. Please verify coverage for the models you wish to use

Product Submittal

Strong-Bolt® 2 Wedge Anchor — Mechanically Galvanized (Continued)

SIMPSON

Strong-Tie

Product Information Table

Model No.	Coating/Material	Size (in.)	Drill Bit Dia. (in.)	Thread Length (in.)	Component Material, Anchor Body	Component Material, Nut	Component Material, Washer	Component Material, Clip	Packaging Qty.
STB2-25314MGR100	Mechanically Galvanized / Carbon Steel	1/4 x 3 1/4	1/4	2 7/16	Mechanically Galvanized	Carbon Steel ASTM A 563, Grade A	Carbon Steel ASTM F844	Carbon Steel ASTM A 568	100
STB2-37300MGR50	Mechanically Galvanized / Carbon Steel	3/8 x 3	3/8	1 9/16	Mechanically Galvanized	Carbon Steel ASTM A 563, Grade A	Carbon Steel ASTM F844	Carbon Steel ASTM A 568	50
STB2-37334MGR50	Mechanically Galvanized / Carbon Steel	3/8 x 3 3/4	3/8	2 5/16	Mechanically Galvanized	Carbon Steel ASTM A 563, Grade A	Carbon Steel ASTM F844	Carbon Steel ASTM A 568	50
STB2-37500MGR50	Mechanically Galvanized / Carbon Steel	3/8 x 5	3/8	3 9/16	Mechanically Galvanized	Carbon Steel ASTM A 563, Grade A	Carbon Steel ASTM F844	Carbon Steel ASTM A 568	50
STB2-37700MGR50	Mechanically Galvanized / Carbon Steel	3/8 x 7	3/8	5 9/16	Mechanically Galvanized	Carbon Steel ASTM A 563, Grade A	Carbon Steel ASTM F844	Carbon Steel ASTM A 568	50
STB2-50100MGR25	Mechanically Galvanized / Carbon Steel	1/2 x 10	1/2	6	Mechanically Galvanized	Carbon Steel ASTM A 563, Grade A	Carbon Steel ASTM F844	Carbon Steel ASTM A 568	25
STB2-50234MGR25	Mechanically Galvanized / Carbon Steel	1/2 x 2 3/4	1/2	1 1/4	Mechanically Galvanized	Carbon Steel ASTM A 563, Grade A	Carbon Steel ASTM F844	Carbon Steel ASTM A 568	25
STB2-50334MGR25	Mechanically Galvanized / Carbon Steel	1/2 x 3 3/4	1/2	2 1/16	Mechanically Galvanized	Carbon Steel ASTM A 563, Grade A	Carbon Steel ASTM F844	Carbon Steel ASTM A 568	25
STB2-50414MGR25	Mechanically Galvanized / Carbon Steel	1/2 x 4 1/4	1/2	2 9/16	Mechanically Galvanized	Carbon Steel ASTM A 563, Grade A	Carbon Steel ASTM F844	Carbon Steel ASTM A 568	25
STB2-50512MGR25	Mechanically Galvanized / Carbon Steel	1/2 x 5 1/2	1/2	3 13/16	Mechanically Galvanized	Carbon Steel ASTM A 563, Grade A	Carbon Steel ASTM F844	Carbon Steel ASTM A 568	25
STB2-50700MGR25	Mechanically Galvanized / Carbon Steel	1/2 x 7	1/2	5 5/16	Mechanically Galvanized	Carbon Steel ASTM A 563, Grade A	Carbon Steel ASTM F844	Carbon Steel ASTM A 568	25
STB2-50812MGR25	Mechanically Galvanized / Carbon Steel	1/2 x 8 1/2	1/2	6	Mechanically Galvanized	Carbon Steel ASTM A 563, Grade A	Carbon Steel ASTM F844	Carbon Steel ASTM A 568	25
STB2-62100MGR10	Mechanically Galvanized / Carbon Steel	5/8 x 10	5/8	6	Mechanically Galvanized	Carbon Steel ASTM A 563, Grade A	Carbon Steel ASTM F844	Carbon Steel ASTM A 568	10
STB2-62120MGR10	Mechanically Galvanized / Carbon Steel	5/8 x 12	5/8	6	Mechanically Galvanized	Carbon Steel ASTM A 563, Grade A	Carbon Steel ASTM F844	Carbon Steel ASTM A 568	10
STB2-62312MGR20	Mechanically Galvanized / Carbon Steel	5/8 x 3 1/2	5/8	1 5/8	Mechanically Galvanized	Carbon Steel ASTM A 563, Grade A	Carbon Steel ASTM F844	Carbon Steel ASTM A 568	20
STB2-62412MGR20	Mechanically Galvanized / Carbon Steel	5/8 x 4 1/2	5/8	2 7/16	Mechanically Galvanized	Carbon Steel ASTM A 563, Grade A	Carbon Steel ASTM F844	Carbon Steel ASTM A 568	20
STB2-62500MGR20	Mechanically Galvanized / Carbon Steel	5/8 x 5	5/8	2 15/16	Mechanically Galvanized	Carbon Steel ASTM A 563, Grade A	Carbon Steel ASTM F844	Carbon Steel ASTM A 568	20

Product Submittal

Strong-Bolt® 2 Wedge Anchor — Mechanically Galvanized (Continued)

SIMPSON

Strong-Tie

Model No.	Coating/Material	Size (in.)	Drill Bit Dia. (in.)	Thread Length (in.)	Component Material, Anchor Body	Component Material, Nut	Component Material, Washer	Component Material, Clip	Packaging Qty.
STB2-62600MGR20	Mechanically Galvanized / Carbon Steel	5/8 x 6	5/8	3 15/16	Mechanically Galvanized	Carbon Steel ASTM A 563, Grade A	Carbon Steel ASTM F844	Carbon Steel ASTM A 568	20
STB2-62700MGR20	Mechanically Galvanized / Carbon Steel	5/8 x 7	5/8	4 15/16	Mechanically Galvanized	Carbon Steel ASTM A 563, Grade A	Carbon Steel ASTM F844	Carbon Steel ASTM A 568	20
STB2-62812MGR20	Mechanically Galvanized / Carbon Steel	5/8 x 8 1/2	5/8	4 15/16	Mechanically Galvanized	Carbon Steel ASTM A 563, Grade A	Carbon Steel ASTM F844	Carbon Steel ASTM A 568	20
STB2-75100MGR10	Mechanically Galvanized / Carbon Steel	3/4 x 10	3/4	6	Mechanically Galvanized	Carbon Steel ASTM A 563, Grade A	Carbon Steel ASTM F844	Carbon Steel ASTM A 568	10
STB2-751200MGR5	Mechanically Galvanized / Carbon Steel	3/4 x 12	3/4	6	Mechanically Galvanized	Carbon Steel ASTM A 563, Grade A	Carbon Steel ASTM F844	Carbon Steel ASTM A 568	5
STB2-75434MGR10	Mechanically Galvanized / Carbon Steel	3/4 x 4 3/4	3/4	2 5/8	Mechanically Galvanized	Carbon Steel ASTM A 563, Grade A	Carbon Steel ASTM F844	Carbon Steel ASTM A 568	10
STB2-75512MGR10	Mechanically Galvanized / Carbon Steel	3/4 x 5 1/2	3/4	3 3/16	Mechanically Galvanized	Carbon Steel ASTM A 563, Grade A	Carbon Steel ASTM F844	Carbon Steel ASTM A 568	10
STB2-75614MGR10	Mechanically Galvanized / Carbon Steel	3/4 x 6 1/4	3/4	3 15/16	Mechanically Galvanized	Carbon Steel ASTM A 563, Grade A	Carbon Steel ASTM F844	Carbon Steel ASTM A 568	10
STB2-75700MGR10	Mechanically Galvanized / Carbon Steel	3/4 x 7	3/4	4 11/16	Mechanically Galvanized	Carbon Steel ASTM A 563, Grade A	Carbon Steel ASTM F844	Carbon Steel ASTM A 568	10
STB2-75812MGR10	Mechanically Galvanized / Carbon Steel	3/4 x 8 1/2	3/4	6	Mechanically Galvanized	Carbon Steel ASTM A 563, Grade A	Carbon Steel ASTM F844	Carbon Steel ASTM A 568	10

1. Models STB2-50234MG, STB2-62312MG and STB2-75434MG do not meet minimum embedment listed in TEB-A-STB2.

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Strong-Bolt® 2 Wedge Anchor — Mechanically Galvanized (Continued)



Mark	Units	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	in.	1 1/2	2	2 1/2	3	3 1/2	4	4 1/2	5	5 1/2	6	6 1/2	7	7 1/2	8	8 1/2	9	9 1/2	10	11	12	13	14	15	16	17	18
Up To But Not Including	in.	2	2 1/2	3	3 1/2	4	4 1/2	5	5 1/2	6	6 1/2	7	7 1/2	8	8 1/2	9	9 1/2	10	11	12	13	14	15	16	17	18	19