



Expanding Your Solutions

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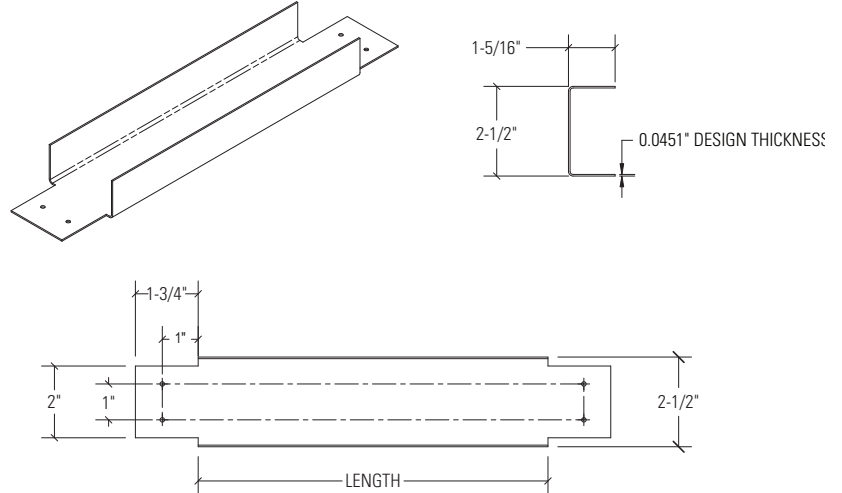
#### Technical Services

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## "SB" SURE-BRIDGE BRIDGING, 43 MIL (18 GA. STRUCTURAL)

### Geometric Properties

"SB" Sure-Bridging is fabricated in 43 mil thickness with 1-5/16" flanges and 2-1/2" webs. Each is made in specific lengths to properly fit between the joists based upon the on-center spacing with 1-3/4" tabs to ensure proper fastening. SureBridging can be used with joists having either 1-3/4" or 2" flanges. CEMCO SureBridge members are produced from hot-dipped galvanized steel in standard CP60 coating. CP90 is available upon special request.



Mil Thickness	Yield (KSI)	Design Thickness (in.) <sup>1</sup>	Minimum Thickness (in.) <sup>1,2</sup>
43	33	0.0451" (1.14 mm)	0.0428" (1.09 mm)

1. Uncoated Steel Thickness. Thickness is for carbon sheet steel

2. Minimum Thickness represents 95% of the design thickness and is the minimum acceptable thickness delivered to the job site, based on Section A4.3 of the AISI S100-2012

**Color Code (painted on ends):** 43 mil: Yellow

### ASTM's & Code Standards

- ASTM A653/A653M, A924/A924M, & A1003/A1003M, C955, C1007
- IBC: 2012, 2015, 2018
- CBC: 2013, 2016
- AISI: S100-07, S100-12, S100-16, S200-12, S240-15

### LEED v4 for Building and Design Construction

- MR Prerequisite: Construction and Demolition Waste Management Planning.
- MR Credit: Construction and Demolition Waste Management.
- MR Credit: Building Product Disclosure and Optimization – Sourcing of Raw Materials, Option 2.
- MR Credit: Building Product Disclosure and Optimization – Environmental Product Declarations, Options 1 & 2.
- MR Credit: Building Product Disclosure and Optimization – Material Ingredients, Option 1.
- MR Credit: Building Life-Cycle Impact Reduction, Option 4.

### CEMCO cold-formed steel framing products contain 30% to 37% recycled steel.

- Total Recycled Content: 36.9%
- Post-Consumer: 19.8%
- Pre-Consumer: 14.4%

### Bridging for 1-3/4" flange joists

Thickness (mil)	Part Number	Length	Joist Spacing
43	175SB4312	10"	12" o.c.
	175SB4316	14"	16" o.c.
	175SB43192	17-1/4"	19.2" o.c.
	175SB4324	22"	24" o.c.

### Bridging for 2" flange joists

Thickness (mil)	Part Number	Length	Joist Spacing
43	200SB4312	9-3/4"	12" o.c.
	200SB4316	13-3/4"	16" o.c.
	200SB43192	17"	19.2" o.c.
	200SB4324	21-3/4"	24" o.c.

### Technical Services

Technical Services: 800.416.2278  
Structural Engineering/Design: 925.473.9340  
www.cemcosteel.com



This technical information reflects the most current information available and supersedes any and all previous publications effective December 20, 2018.

12-20-18 AT