



Expanding Your Solutions

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925SSCJ175-68 PUNCHED SURE-SPAN™ C-JOIST 9.25" DEPTH

Geometric Properties

925SSCJ175-68 Sure-Span™ floor joist is manufactured with a 1-3/4" flange, in 68 mil thickness. All SSCJ joists are available with the large punch-outs at 48" on-center, with the first punch-out 18" from one end. All CEMCO SSCJ load bearing floor joists are produced from hot-dipped galvanized steel in standard G60 coating. G90 is available upon special request.

Steel Thickness

Mil Thickness	Design Thickness (in.) ¹	Minimum Thickness (in.) ^{1,2}	Color Code (painted on ends)
68	0.0713" (1.81 mm)	0.0677" (1.72 mm)	Orange

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

ASTM's & Code Standards

- ASTM A653/A653M, A924/A924M, & A1003/A1003M, C955, C1007
- UL Classified and UL Certified (UL FUS)
- AISI S100-2012
- UL G556, G557, G559, G574, G580
- IBC 2015
- 2013/2016 CBC

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.

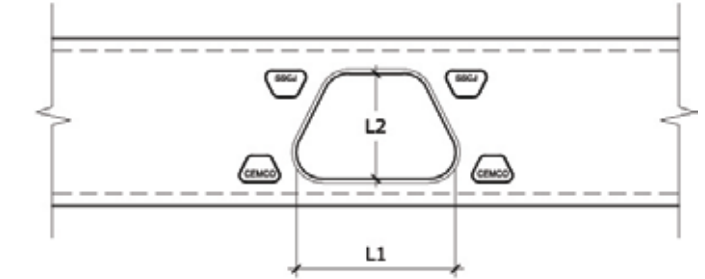
- Total Recycled Content: 36.9%
- Post-Consumer: 19.8%
- Pre-Consumer: 14.4%

925SSCJ175-68 Structural Properties & Load Capacities

Dimensions			Gross Section Properties								Torsional Properties					Net Section Properties		Capacities	
w (in)	Gauge	t (in)	Weight (plf)	Area (in ²)	I _x (in ⁴)	I _y (in ⁴)	S _x (in ³)	S _y (in ³)	R _x (in)	R _y (in)	X _o (in)	J _x 1000 (in ⁴)	C _w (in ⁶)	R _o (in)	β	A _n (in ²)	I _{xn} (in ⁴)	M _{all} (k-in)	V _{all} (k)
1.75	14	0.0713	3.326	0.978	11.095	0.357	2.399	0.264	3.368	0.604	-1.039	1.658	6.159	3.576	0.916	0.678	10.740	55.744	2.862

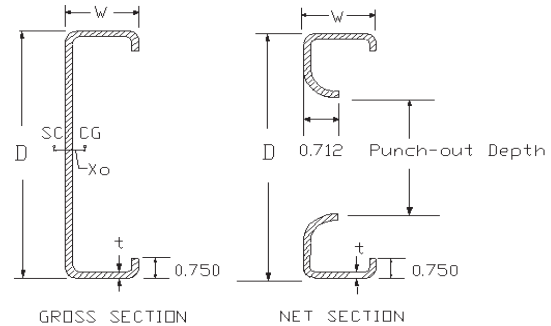
Notes:

- The yield strength, F_y, is 33 ksi for 18 gauge and 50 ksi for 16, 14, and 12 gauge material.
- Tabulated weight values are based on full section geometry.
- Punch-out Depth = 4.25" (web depth 7.25", 8" and 9.25"), 6.25" (web depth 10" and 11.25"), 8" (web depth 12"), 10" (web depth 14")



Punch-Out Dimensions

Section	L1 (in.)	L2 (in.)	Spacing Between Punch-Outs (in.)
925SSCJ175-68	9-15/32	4-1/4	48



- For Allowable Stress Design (ASD) method, use a factor of safety of 1.95 for both moment and shear capacities. This factor of safety is obtained from a joist test program as per AISI 2012, Chapter F.
- Allowable moment, M_{all}, and shear, V_{all}, capacities for joists are obtained by applying factors of safety to the least nominal capacities (between full and net section capacities).

Technical Services

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This technical information reflects the most current information available and supersedes any and all previous publications effective June 6, 2018.

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