



Expanding Your Solutions

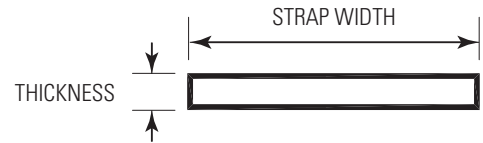
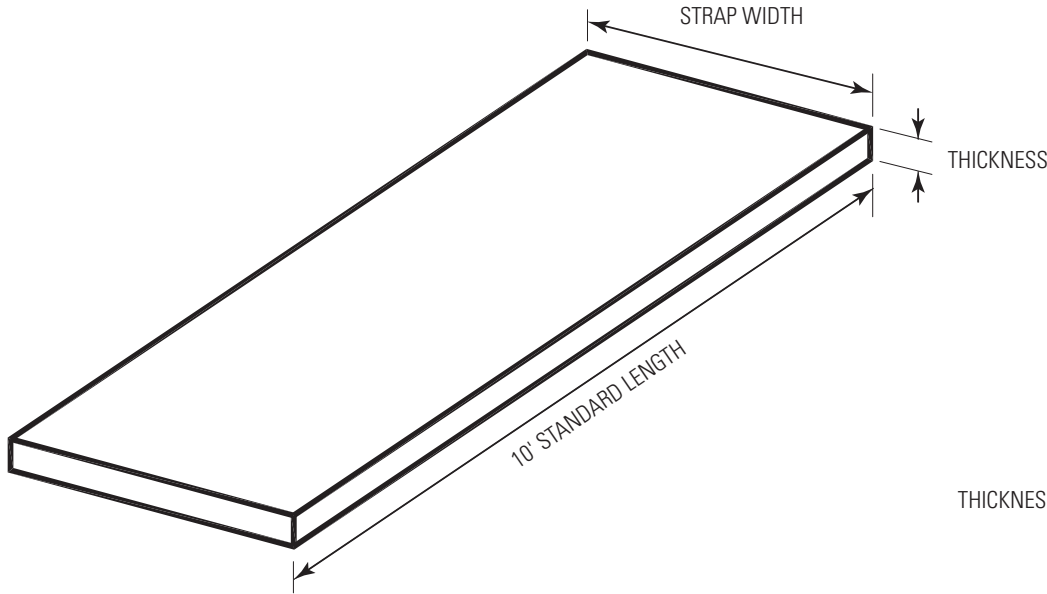
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## FLAT STRAP SPECIFICATION – 12" x 43 mil (18FS12)



### Geometric Properties

Product Code	Strap Width (in)	Thickness (mils)	Design Thickness (in)	Minimum Thickness (in)	Gauge	Yield Strength (ksi)	Tensile Values for Straps (Tn [lbs.])
18FS12	12	43	0.0451	0.0428	18	33	10694

**Notes:**

- For lengths greater than 20 feet, strap is available in coil form.
- Flat Strap is also available with widths greater than 12 inches.
- $\Omega = 1.67$
- Minimum thickness is equal to 95% of design thickness.

**Coating:** Standard G60. G90 is available only upon special request and will require extended lead times.

### ASTM & Code Standards:

- ASTM A653/A653M, A924/A924M, A1003/1003, C645 & C754
- IBC: 2012, 2015, 2018, 2021
- CBC: 2013, 2016, 2019, 2022
- AISI: S100, S200, S220, S240

**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%

### 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.

### Technical Services

Technical Services: 800.416.2278  
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www.cemcosteel.com



This technical information reflects the most current information available and supersedes any and all previous publications effective July 27, 2023.

07-27-23 AT