



Expanding Your Solutions

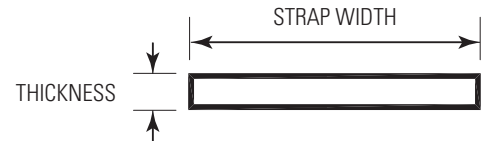
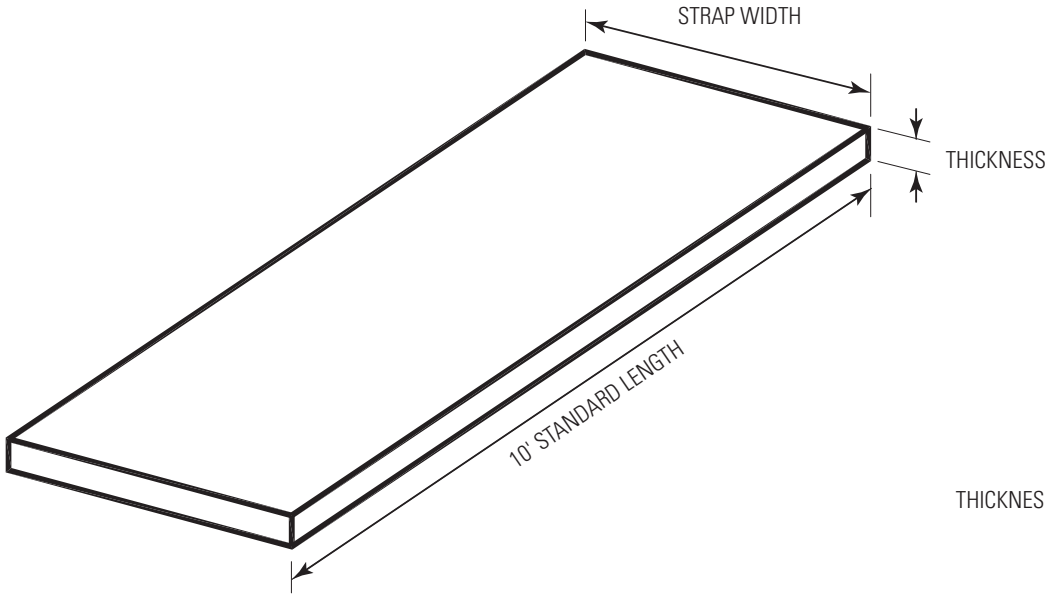
Corporate Headquarters
13191 Crossroads Pkwy N., Ste 325
City of Industry, CA 91746
Phone: 800.775.2362
Fax: 626.330.7598

Manufacturing Facilities
City of Industry, CA
Denver, CO
Ft. Worth, TX
Pittsburg, CA

Structural Engineering/Design
1001-A Pittsburgh Antioch Hwy
Pittsburg, CA 94565
Phone: 800.775.2362
Fax: 626.330.7598

Technical Services
13191 Crossroads Pkwy N., Ste 325
City of Industry, CA 91746
Phone: 800.416.2278
Fax: 626.249.5004

FLAT STRAP SPECIFICATION — 4" x 97 mil (12FS4)



Geometric Properties

Product Code	Strap Width (in)	Thickness (mils)
12FS4	4	97

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
- CBC: 2013, 2016
- AISI: S100-07, S100-12, S100-16, S200-12, S240-15

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%

Technical Services

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



Flat Strap Load Capacities (lbs.)

Tensile Values for Straps (Tn [lbs.])		
$\Omega = 1.67$		Thickness (mils) / Design Thickness / Gauge Reference
Strap Width (in)	Yield Strength (Ksi)	18 0.0188 25
4	50	12180

Notes:

1. For lengths greater than 20 feet, strap is available in coil form
2. Flat Strap is also available with widths greater than 12 inches

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.

This technical information reflects the most current information available and supersedes any and all previous publications effective August 15, 2019.

08-15-19 AT