CEMCO®
Expanding Your Solutions

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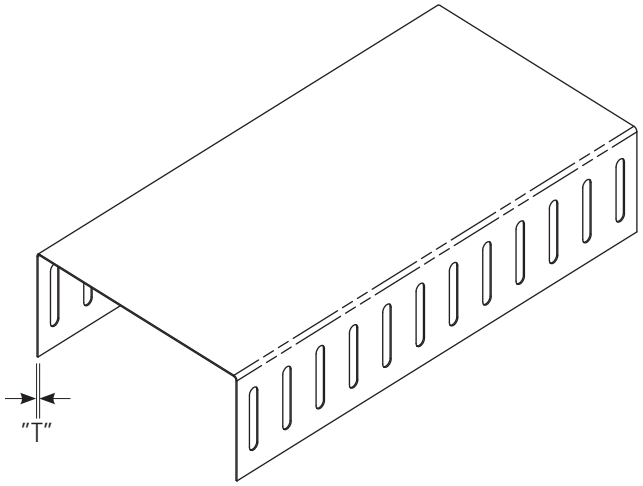
CST SLOTTED TRACK WITH 3" LEGS (2" SLOTS) 33, 43, 54, & 68 MIL

Geometric Properties

"CST" brand slotted slip tracks are fabricated in following web depths and thicknesses with 2" slots for a 1" (+/-) vertical deflection. All CEMCO CST brand slotted slip tracks are produced from G40 coated steel 33 mil products and G60 for 43, 54 and 68 mil products. G90 is available upon request.



Steel Thickness

Mil Thickness	Design Thickness (in.)[1]	Minimum Thickness (in.)[1,2]	Color Code Painted on ends
33	0.0346 (0.88 mm)	0.0329 (0.84 mm)	White
43	0.0451 (1.15 mm)	0.0428 (1.09 mm)	Yellow
54	0.0566 (1.44 mm)	0.0538 (1.37 mm)	Green
68	0.0713 (1.81 mm)	0.0677 (1.72 mm)	Orange

Notes:
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 with 2012 AISI supplement.

ASTM's & Code Standards

- ASTM A1003, A653, A924, C645, C754,C955
- ICC-ESR 2012
- IBC: 2012, 2015, 2018
- CBC: 2013, 2016, 2019
- 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%

3" Leg Allowable Lateral Loads (lbs)

Slotted-Track Thickness	250CST300	362CST300	400CST300	600CST300	800CST300
33 mil	110	110	110	110	110
43 mil	210	210	210	210	210
54 mil	350	350	350	350	350
68 mil	600	600	600	600	600

Notes:
- 33 to 54 mil slotted track thickness use a #8 X 3/4" (minimum) wafer head screw for stud-to-track connection.
- 68 mil slotted track thickness use a #10 x 9/16" (minimum) wafer head screw for stud-to-track connection.
- Screws should be placed a minimum of 3/8" from the end of the stud.
- Allowable loads are also applicable for single stud located at minimum 6" from the end of the slotted track.
- Provide a gap of 1" between end of stud and inside face of track for screws installed at mid-length of slotted openings.

Calculating Slotted Slip Track Point Load:

Point Load (P) = (wind pressure PSF) x (spacing FT) x (wall stud length FT) /2

- **Step 1:** Calculate Point Load Based on Lateral Load Demand.
  Example 1: (5 PSF) x (1.33 FT) x (12 FT) /2 = 40 lbs.
  Example 2: (30 PSF) x (1.33 FT) x (20 FT) /2 = 400 lbs.
- **Step 2:** Use table to determine ideal slotted track thickness and respective capacity for calculated point load.
- **Step 3:** Refer to CEMCO's limiting wall height tables to select the proper stud framing to meet the lateral load demand.
- **Step 4:** If web crippling governs the selected stud (design point load), then web stiffeners might be required to achieve the maximum allowable leg point load.