

CS Coiled Strap

CS coiled utility straps are an ideal solution when it is desired to brace wall studs via the flanges with strap. These products are packaged in lightweight (about 40 pounds) cartons and can be cut to length on the job site.

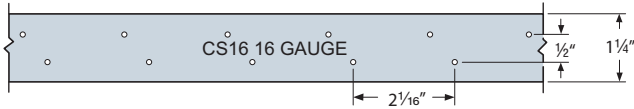
Materials: See table.

Finish: Galvanized (G90); ZMAX®

Installation:

- Use all specified fasteners. See General Notes.
- Refer to the applicable code for minimum edge and end distance.
- The table shows the maximum allowable loads and the screws required to obtain them. See footnote #1. Fewer screws may be used as given by footnote #3.

Codes: See p. 11 for Code Reference Key Chart



CS16 Hole Pattern
(all other CS straps similar)

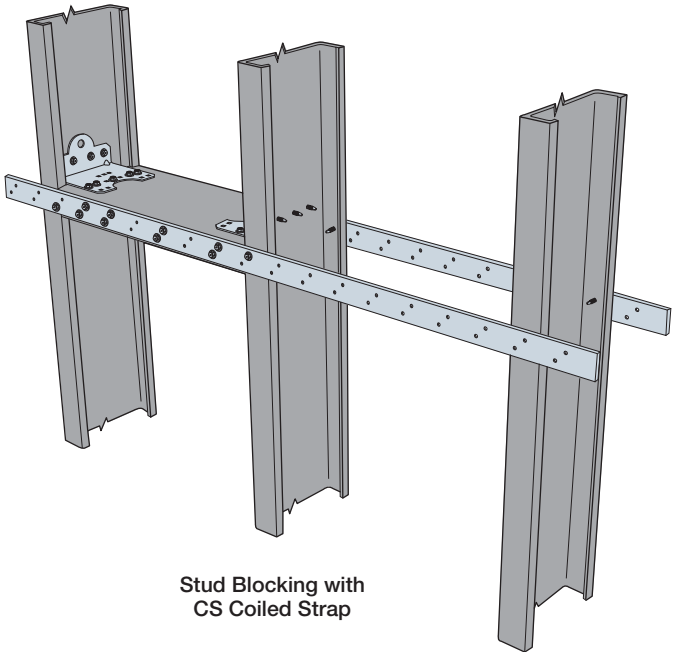
Model No.	Total Length (ft.)	Connector Material Thickness mil (ga.)	Width (in.)	Fasteners (At Blocking) ⁴			Allowable Tension Load (lb.)	Code Ref.
				Framing Thickness mil (ga.)				
				33 (20)	43 (18)	54 (16)		
CS16	150	54 (16)	1¼	(9) #10	(6) #10	(4) #10	1,550	IP1, L2, FL
CS18	200	43 (18)	1¼	(7) #10	(5) #10	(3) #10	1,235	
CS20	250	33 (20)	1¼	(6) #10	(4) #10	(3) #10	945	
CS22	300	27 (22)	1¼	(5) #10	(3) #10	(3) #10	775	

These products are available with additional corrosion protection. Additional products on this page may also be available with this option. Check with Simpson Strong-Tie for details.

1. In order to achieve the tabulated loads in the strap, attach each strap to the blocking with the tabulated number of screws.
2. Strap length at blocking to achieve tabulated load = number of tabulated screws + 1".
3. Calculate the strap value for a reduced number of screws to the blocking as follows:

$$\text{Allowable Load} = \frac{\text{No. of Screws Used}}{\text{No. of Screws in Table}} \times \text{Table Load.}$$

4. See pp. 138 through 171 for more information on Simpson Strong-Tie fasteners.



Stud Blocking with CS Coiled Strap