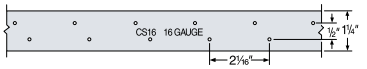
CS/CMST *Coiled Straps*

CMSTC provides fastener slots for easy installation and coined edges. CS, CMST and CMSTC are continuous utility straps which can be cut to length on the job site. Packaged in lightweight *(about 40 pounds)* cartons.

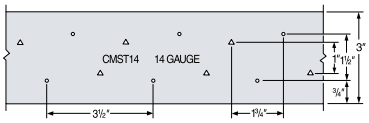
FINISH: Galvanized. Some products available in ZMAX® coating; see Corrosion Information, page 12–13.

INSTALLATION: • Use all specified fasteners. See General Notes.
- Refer to the applicable code for minimum edge and end distances.
- The table shows the maximum allowable loads and the screws required to obtain them. See footnote #1. Fewer screws may be used; reduce the allowable load by the code lateral load for each fastener subtracted from each end.

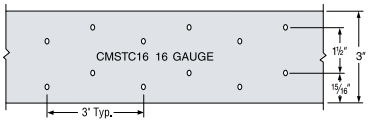
CODES: See page 8 for Code Listing Key Chart.



CS16 Hole Pattern
(all other CS straps similar)

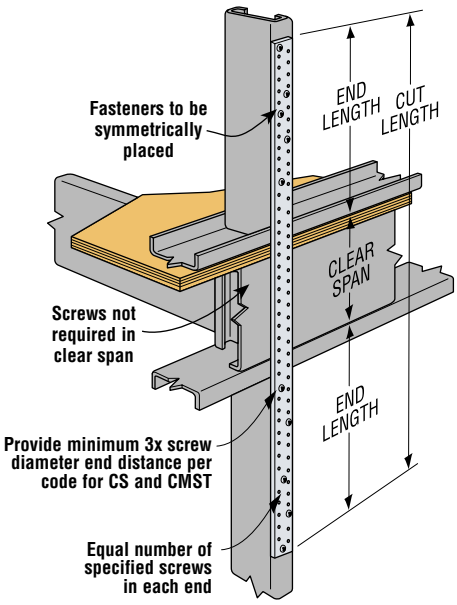


CMST14 Hole Pattern
(CMST12 similar)



CMSTC16 Hole Pattern

Gauge stamped on part for easy identification



Typical CS Installation as a Floor-to-Floor Tie

Available with additional corrosion protection. Check with Simpson Strong-Tie.

Model No.	Total length	Connector Material Thickness mil (ga)	Width	Fasteners (Total)			Allowable Tension Loads	Code Ref.
				Rafter/Stud/Joist Thickness			33 mil (20 ga) 43 mil (18 ga) 54 mil (16 ga)	
				33 mil (20 ga)	43 mil (18 ga)	54 mil (16 ga)		
CMST12[2]	40'-3"	97 (12 ga)	3	104- #10	70- #10	40- #10	9080	ILC1, LC1, FC1
CMST14[2]	52½'	68 (14 ga)	3	72- #10	50- #10	28- #10	6365	
CMSTC16[3]	54'	54 (16 ga)	3	54- #10	36- #10	30- #10	4600	
CS14	100'	68 (14 ga)	1¼	28- #10	18- #10	12- #10	2305	ILC1, LC1, FC1
CS16	150'	54 (16 ga)	1¼	18- #10	12- #10	8- #10	1550	
CS18S	100'	43 (18 ga)	1¼	14- #10	10- #10	6- #10	1235	
CS18	200'		1¼	14- #10	10- #10	6- #10	1235	
CS20	250'	33 (20 ga)	1¼	12- #10	8- #10	6- #10	945	
CS22	300'	27 (22 ga)	1¼	10- #10	6- #10	6- #10	775	

1. Use half of the fasteners in each member being connected to achieve the listed loads.
2. For CMST straps: End Length (inches) = ½ total fasteners x ⅞" + 1" when all holes filled. Double length if only round holes filled.
3. For CMSTC16 straps: End Length (inches) = ½ total fasteners x ¾" + 1" when all holes filled. Double length if only round holes filled.
4. For CS straps: End Length (inches) = ½ total fasteners + 1".
5. Total Cut Length = End Length + Clear Span + End Length.
6. Calculate the connector value for a reduced number of screws as follows: Allowable Load = $\frac{\text{No. of Screws Used}}{\text{No. of Screws in Table}}$ x Table Load

   Example: CMSTC16 on 54 mil with 24 screws: $\frac{\text{24 Screws (Used)}}{\text{30 Screws (Table)}}$ x 4600 lbs = 3680 lbs
7. Loads are based on lesser of steel strap capacity and 2001 AISI NAS fastener calculation.