

Wood Connectors



Coil Strapping

CS & CMST SERIES

PRODUCT FEATURES:

Coil strap has pre-drilled nail holes, which allows the installer to cut to any length as required for a wide range of wood connections.

MATERIAL:

CS Series (1-1/4" width):

- CS20-250 - 20 Gauge, 250 ft
- CS18-200 - 18 Gauge, 200 ft
- CS16-150 - 16 Gauge, 150 ft
- CS14-100 - 14 Gauge, 100 ft

CMST Series (3" width):

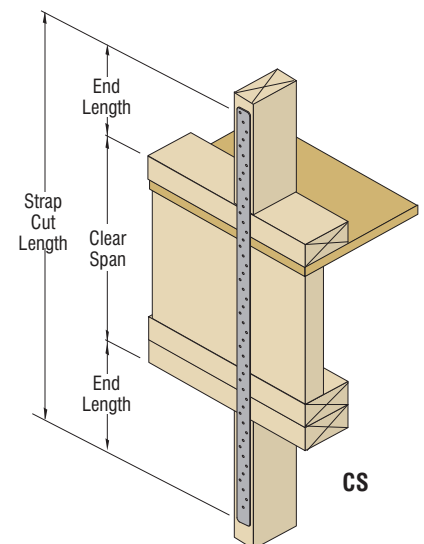
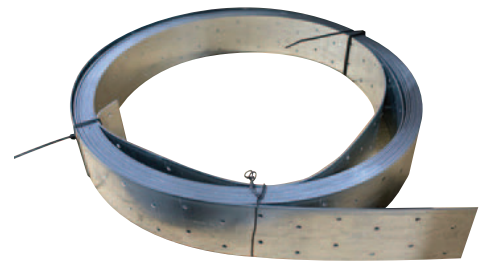
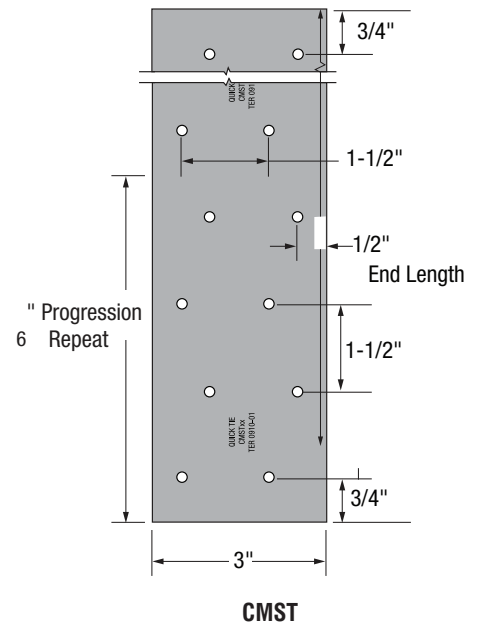
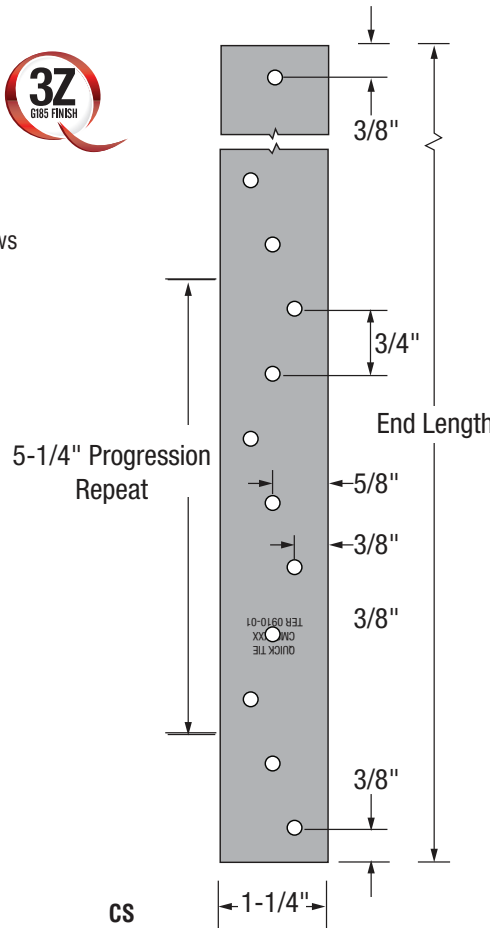
- CMST16-54 - 16 Gauge, 54 ft
- CMST14-52.5 - 14 Gauge, 52-1/2 ft
- CMST14-12 - 14 Gauge, 12 ft
- CMST12-40 - 12 Gauge, 40 ft
- CMSTC84 - 12 Gauge, 7 ft

COATING: Galvanized (Zinc), G185

INSTALLATION:

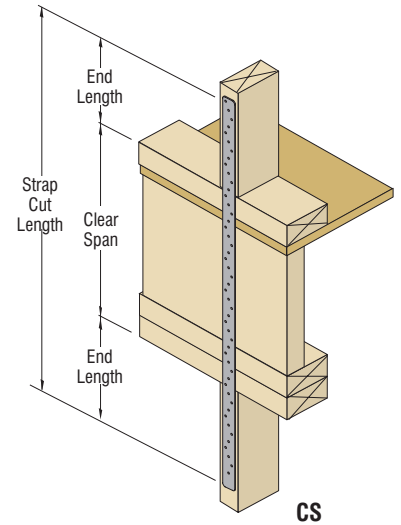
- Use all specified fasteners in schedule to achieve values indicated.

CODE COMPLIANCE: TER 0910-01; FL 3557



ALLOWABLE TENSION LOADS FOR CS20-250 STRAP (LB)^{1,2}

Fasteners		Minimum Required End Length (in.)	Southern Pine (SG = 0.55)		Douglas Fir - Larch (SG = 0.50)		Spruce - Pine - Fir (SG = 0.42)	
Size	No. Each End of Strap		Load Duration Factor					
			1.0	1.60	1.0	1.60	1.0	1.60
CS20-250 8d x 1 1/2 (0.131 x 1.5") & 8d Common (0.131 x 2.5")	4	3	417	668	385	615	331	530
	6	4 1/2	626	1,001	577	923	497	794
	8	6	834	1,335	769	1,231	662	1,059
	10	7 1/2	1,043	1,343	962	1,343	828	1,324
	11	8 1/4	1,147	1,343	1,058	1,343	910	1,343
	12	9	1,252	1,343	1,154	1,343	993	1,343
	13	9 3/4	1,343	1,343	1,250	1,343	1,076	1,343
	14	10 1/2	1,343	1,343	1,343	1,343	1,159	1,343
	15	11 1/4	1,343	1,343	1,343	1,343	1,241	1,343
	16	12	1,343	1,343	1,343	1,343	1,324	1,343
10d x 1 1/2 (0.148 x 1.5") & 10d Common (0.148 x 3")	4	3	504	806	464	743	399	639
	6	4 1/2	755	1,209	696	870	599	958
	8	6	1,007	1,343	928	1,114	799	1,278
	9	6 3/4	1,133	1,343	1,044	1,343	898	1,343
	10	7 1/2	1,259	1,343	1,160	1,343	998	1,343
	11	8 1/4	1,343	1,343	1,277	1,343	1,098	1,343
	12	9	1,343	1,343	1,343	1,343	1,198	1,343
	13	9 3/4	1,343	1,343	1,343	1,343	1,298	1,343
14	10 1/2	1,343	1,343	1,343	1,343	1,343	1,343	



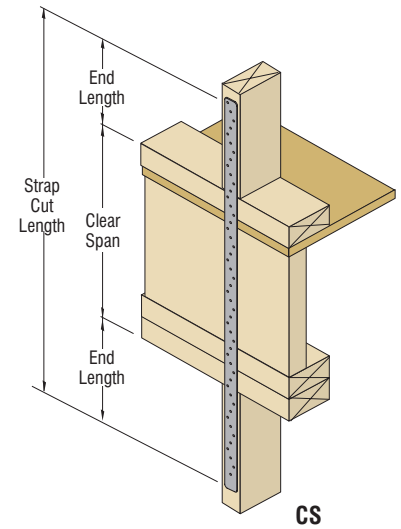
NOTES:

1. Allowable tension loads apply for uplift when the straps are installed vertically.
2. The total strap cut length is equal to the Clear Span + 2 x End Length.

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ALLOWABLE TENSION LOADS FOR CS18-200 & CS16-150 COIL STRAPS (LB)^{1,2}

Fasteners		Minimum Required End Length (in.)	Southern Pine (SG = 0.55)		Douglas Fir - Larch (SG = 0.50)		Spruce - Pine - Fir (SG = 0.42)	
Size	No. Each End of Strap		Load Duration Factor					
			1.0	1.60	1.0	1.60	1.0	1.60
CS18-200	8d x 1 1/2 (0.131 x 1.5") & 8d Common (0.131 x 2.5")	4	426	682	393	629	339	543
		6	639	1,022	590	944	509	814
		8	852	1,363	787	1,258	678	1,085
		10	1,065	1,704	983	1,573	848	1,356
		12	1,278	1,777	1,180	1,777	1,017	1,628
		14	1,491	1,777	1,376	1,777	1,187	1,777
		16	1,704	1,777	1,573	1,777	1,356	1,777
		17	1,777	1,777	1,671	1,777	1,441	1,777
		18	1,777	1,777	1,770	1,777	1,526	1,777
		19	1,777	1,777	1,777	1,777	1,611	1,777
		20	1,777	1,777	1,777	1,777	1,695	1,777
	21	1,777	1,777	1,777	1,777	1,777	1,777	
	10d x 1 1/2 (0.148 x 1.5") & 10d Common (0.148 x 3")	4	512	820	473	757	408	652
		6	769	1,230	709	1,135	611	978
		8	1,025	1,640	946	1,513	815	1,304
		10	1,281	1,777	1,182	1,777	1,019	1,630
		11	1,409	1,777	1,300	1,777	1,121	1,777
		12	1,537	1,777	1,419	1,777	1,223	1,777
		13	1,665	1,777	1,537	1,777	1,324	1,777
		14	1,777	1,777	1,655	1,777	1,426	1,777
		15	1,777	1,777	1,773	1,777	1,528	1,777
18		1,777	1,777	1,777	1,777	1,630	1,777	
CS16-150	8d x 1 1/2 (0.131 x 1.5") & 8d Common (0.131 x 2.5")	4	438	701	405	648	350	560
		6	658	1,052	608	972	525	840
		8	877	1,403	810	1,296	700	1,120
		10	1,096	1,754	1,013	1,621	875	1,400
		12	1,315	2,104	1,215	1,945	1,050	1,679
		14	1,534	2,206	1,418	2,026	1,225	1,959
		16	1,754	2,206	1,621	2,206	1,400	2,206
		18	1,973	2,206	1,823	2,206	1,575	2,206
		20	2,192	2,206	2,026	2,206	1,749	2,206
		21	2,206	2,206	2,127	2,206	1,837	2,206
		22	2,206	2,206	2,206	2,206	1,924	2,206
	10d x 1 1/2 (0.148 x 1.5") & 10d Common (0.148 x 3")	4	525	840	485	776	419	670
		6	788	1,261	728	1,164	628	1,005
		8	1,050	1,681	970	1,553	838	1,340
		10	1,313	2,101	1,213	1,941	1,047	1,675
		12	1,576	2,206	1,456	2,206	1,256	2,010
		14	1,838	2,206	1,698	2,206	1,466	2,206
		16	2,101	2,206	1,941	2,206	1,675	2,206



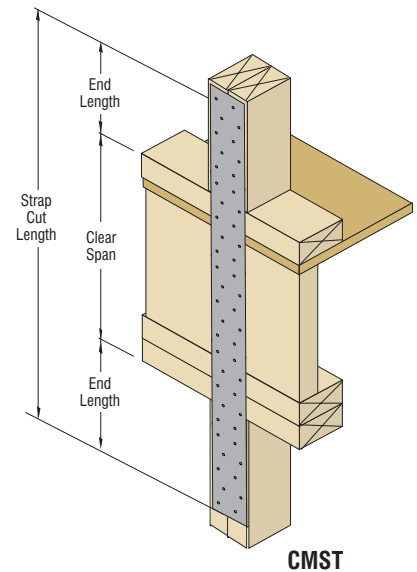
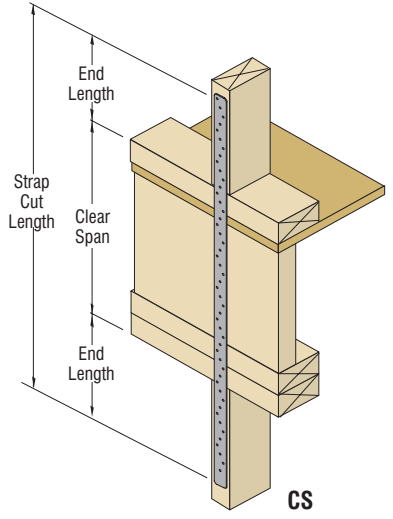
NOTES:

1. Allowable tension loads apply for uplift when the straps are installed vertically.
2. The total strap cut length is equal to the Clear Span + 2 x End Length.

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ALLOWABLE TENSION LOADS FOR CS14-100 & CMST 16-54 COIL STRAPS (LB)^{1,2}

Fasteners		Minimum Required End Length (in.)	Southern Pine (SG = 0.55)		Douglas Fir - Larch (SG = 0.50)		Spruce - Pine - Fir (SG = 0.42)	
Size	No. Each End of Strap		Load Duration Factor					
			1.0	1.60	1.0	1.60	1.0	1.60
CS14-100	8d x 1 1/2 (0.131 x 1.5") & 8d Common (0.131 x 2.5")	4	457	732	423	677	366	586
		6	686	1,098	635	1,015	549	878
		8	915	1,464	846	1,354	732	1,171
		10	1,143	1,829	1,058	1,692	915	1,464
		12	1,372	2,195	1,269	2,031	1,098	1,757
		14	1,601	2,561	1,481	2,369	1,281	2,050
		16	1,829	2,718	1,692	2,708	1,464	2,343
		18	2,058	2,718	1,904	2,718	1,647	2,635
		20	2,287	2,718	2,115	2,718	1,830	2,718
		22	2,515	2,718	2,327	2,718	2,013	2,718
		24	2,718	2,718	2,539	2,718	2,196	2,718
		25	2,718	2,718	2,644	2,718	2,288	2,718
		26	2,718	2,718	2,718	2,718	2,379	2,718
		27	2,718	2,718	2,718	2,718	2,471	2,718
		28	2,718	2,718	2,718	2,718	2,562	2,718
29	2,718	2,718	2,718	2,718	2,654	2,718		
30	2,718	2,718	2,718	2,718	2,718	2,718		
CS14-100	10d x 1 1/2 (0.148 x 1.5") & 10d Common (0.148 x 3")	4	545	872	504	806	436	697
		6	818	1,308	756	1,210	654	1,046
		8	1,090	1,744	1,008	1,613	872	1,395
		10	1,363	2,180	1,260	2,016	1,090	1,743
		12	1,635	2,616	1,512	2,419	1,307	2,092
		14	1,908	2,718	1,764	2,718	1,525	2,441
		16	2,180	2,718	2,016	2,718	1,743	2,718
		18	2,453	2,718	2,268	2,718	1,961	2,718
		20	2,718	2,718	2,520	2,718	2,179	2,718
		21	2,718	2,718	2,646	2,718	2,288	2,718
		22	2,718	2,718	2,718	2,718	2,397	2,718
23	2,718	2,718	2,718	2,718	2,506	2,718		
24	2,718	2,718	2,718	2,718	2,615	2,718		
25	2,718	2,718	2,718	2,718	2,718	2,718		
CMST16-54	10d Common (0.148 x 3")	6	788	1,261	728	1,164	628	1,005
		12	1,576	2,521	1,456	2,329	1,256	2,010
		18	2,364	3,782	2,183	3,493	1,885	3,015
		24	3,151	5,042	2,911	4,658	2,513	4,021
		30	3,939	5,295	3,639	5,295	3,141	5,026
		36	4,727	5,295	4,367	5,295	3,769	5,295
		42	5,295	5,295	5,095	5,295	4,397	5,295
		48	5,295	5,295	5,295	5,295	5,026	5,295
CMST16-54	16d Common (0.162 x 3.5")	6	933	1,493	861	1,378	743	1,189
		12	1,866	2,985	1,723	2,757	1,486	2,378
		18	2,799	4,478	2,584	4,135	2,229	3,567
		24	3,732	5,295	3,446	5,295	2,972	4,755
		30	4,665	5,295	4,307	5,295	3,715	5,295
		36	5,295	5,295	5,169	5,295	4,458	5,295
		42	5,295	5,295	5,295	5,295	5,201	5,295
		48	5,295	5,295	5,295	5,295	5,295	5,295



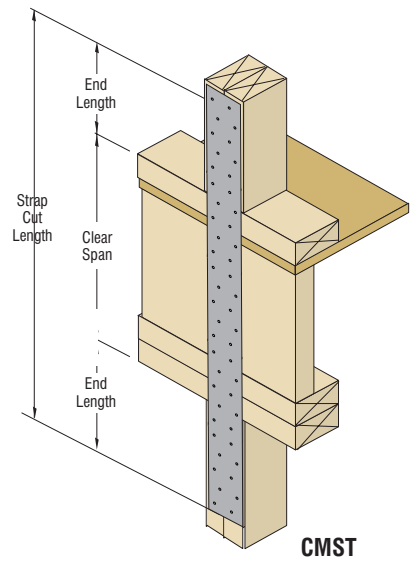
NOTES:

1. Allowable tension loads apply for uplift when the straps are installed vertically.
2. The total strap cut length is equal to the Clear Span + 2 x End Length.

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ALLOWABLE TENSION LOADS FOR CMST14-52.5 & CMST12-40 & CMST84 COIL STRAPS (LB)^{1,2}

Fasteners		Minimum Required End Length (in.)	Southern Pine (SG = 0.55)		Douglas Fir - Larch (SG = 0.50)		Spruce - Pine - Fir (SG = 0.42)	
Size	No. Each End of Strap		Load Duration Factor					
			1.0	1.60	1.0	1.60	1.0	1.60
CMST14-52.5 & CMST14-12	10d Common (0.148 x 3")	6	818	1,308	756	1,210	654	1,046
		12	1,635	2,616	1,512	2,419	1,307	2,092
		18	2,453	3,925	2,268	3,629	1,961	3,138
		24	3,270	5,233	3,024	4,839	2,615	4,184
		30	4,088	6,524	3,780	6,049	3,269	5,230
		36	4,906	6,524	4,536	6,524	3,922	6,276
		42	5,723	6,524	5,293	6,524	4,567	6,524
		48	6,524	6,524	6,049	6,524	5,230	6,524
		54	6,524	6,524	6,524	6,524	5,884	6,524
	60	6,524	6,524	6,524	6,524	6,524	6,524	
	16d Common (0.162 x 3.5")	4	962	1,540	889	1,523	768	1,229
		6	1,924	3,079	1,779	2,846	1,537	2,459
		8	2,887	4,619	2,668	4,269	2,305	3,688
		10	3,849	6,158	3,558	5,692	3,074	4,918
		11	4,811	6,524	4,447	6,524	3,842	6,147
		12	6,014	6,524	5,336	6,524	4,611	6,524
		13	6,524	6,524	6,226	6,524	5,379	6,524
		14	6,524	6,524	6,524	6,524	6,147	6,524
15		6,524	6,524	6,524	6,524	6,524	6,524	
CMST12-40 & CMSTC84	10d Common (0.148 x 3")	6	906	1,449	839	1,342	727	1,164
		12	1,811	2,898	1,678	2,684	1,455	2,328
		18	2,717	4,347	2,517	4,027	2,182	3,492
		24	3,622	5,795	3,356	5,369	2,910	4,656
		30	4,528	7,244	4,194	6,711	3,637	5,820
		36	5,433	8,693	5,033	8,053	4,365	6,984
		42	6,339	9,256	5,872	9,256	5,092	8,148
		48	7,244	9,256	6,711	9,256	5,820	9,256
		54	8,150	9,256	7,550	9,256	6,547	9,256
		60	9,055	9,256	8,369	9,256	7,275	9,256
	16d Common (0.162 x 3.5")	6	1,051	1,681	973	1,557	843	1,349
		12	2,102	3,363	1,946	3,114	1,687	2,698
		18	3,153	5,044	2,919	4,671	2,530	4,048
		24	4,204	6,726	3,892	6,228	3,373	5,397
		30	5,254	8,407	4,866	7,785	4,216	6,746
		36	6,305	9,256	5,839	9,256	5,060	8,095
		42	7,356	9,256	6,812	9,256	5,903	9,256
		48	8,407	9,256	7,785	9,256	6,746	9,256
54		9,256	9,256	8,758	9,256	7,589	9,256	
60		9,256	9,256	9,256	9,256	8,433	9,256	



NOTES:

1. Allowable tension loads apply for uplift when the straps are installed vertically.
2. The total strap cut length is equal to the Clear Span + 2 x End Length.