

Coil Strapping

CS & CMST SERIES

PRODUCT FEATURES:

Coil strap is made to allow the installer to cut to any length as required.

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, 52.5 ft

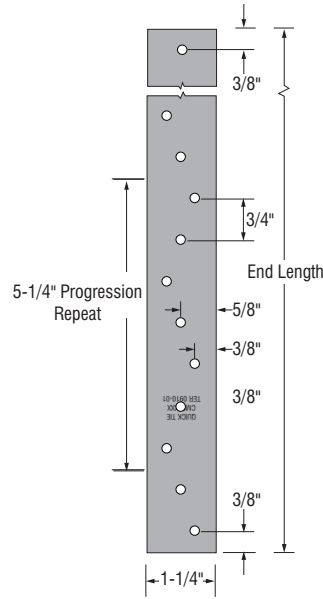
CMST12-40 - 12 Gauge, 40 ft

COATING: Galvanized (Zinc), G185

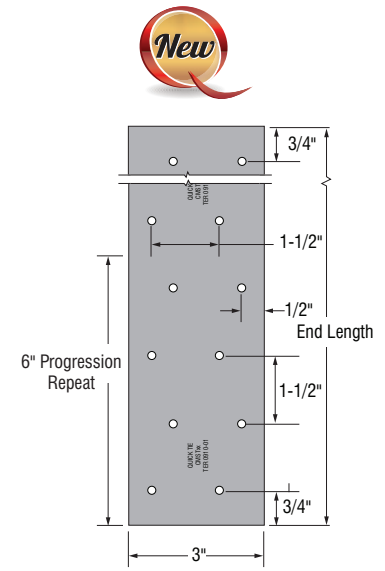
INSTALLATION:

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

CODE COMPLIANCE: TER 0910-01; FL 3557



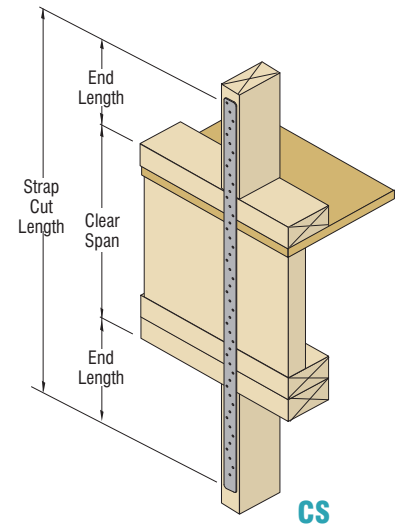
CS



CMST

ALLOWABLE 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)			
			Load Duration Factor											
Size	No. Each End of Strap		1.0	1.15	1.25	1.60	1.0	1.15	1.25	1.60	1.0	1.15	1.25	1.60
8d x 1½ (0.131 x 1.5") & 8d Common (0.131 x 2.5")	4	3	417	480	521	668	385	442	481	615	331	381	414	530
	6	4½	626	720	782	1001	577	664	721	923	497	571	621	794
	8	6	834	960	1043	1335	769	885	962	1231	662	761	828	1059
	10	7½	1043	1199	1304	1343	962	1106	1202	1343	828	952	1034	1324
	11	8¼	1147	1319	1343	1343	1058	1217	1322	1343	910	1047	1138	1343
	12	9	1252	1343	1343	1343	1154	1327	1343	1343	993	1142	1241	1343
	13	9¾	1343	1343	1343	1343	1250	1343	1343	1343	1076	1237	1343	1343
	14	10½	1343	1343	1343	1343	1343	1343	1343	1343	1159	1332	1343	1343
	15	11¼	1343	1343	1343	1343	1343	1343	1343	1343	1241	1343	1343	1343
	16	12	1343	1343	1343	1343	1343	1343	1343	1343	1324	1343	1343	1343
10d x 1½ (0.148 x 1.5") & 10d Common (0.148 x 3")	4	3	504	579	629	806	464	534	580	743	399	459	499	639
	6	4½	755	869	944	1209	696	801	870	870	599	689	749	958
	8	6	1007	1158	1259	1343	928	1068	1160	1114	799	918	998	1278
	9	6¾	1133	1303	1343	1343	1044	1201	1306	1343	898	1033	1123	1343
	10	7½	1259	1343	1343	1343	1160	1335	1343	1343	998	1148	1246	1343
	11	8¼	1343	1343	1343	1343	1277	1343	1343	1343	1098	1263	1343	1343
	12	9	1343	1343	1343	1343	1343	1343	1343	1343	1198	1343	1343	1343
	13	9¾	1343	1343	1343	1343	1343	1343	1343	1343	1298	1343	1343	1343
	14	10½	1343	1343	1343	1343	1343	1343	1343	1343	1343	1343	1343	1343



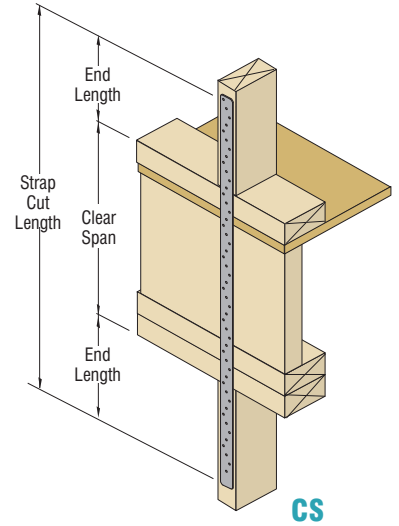
CS

NOTES:

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

ALLOWABLE 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)			
				Load Duration Factor											
Size	No. Each End of Strap		1.0	1.15	1.25	1.60	1.0	1.15	1.25	1.60	1.0	1.15	1.25	1.25	
CS18-200 8d x 1½ (0.131 x 1.5") & 8d Common (0.131 x 2.5")	4	3	426	490	533	682	393	452	492	629	339	390	424	543	
	6	4½	639	735	799	1022	590	678	737	944	509	585	636	814	
	8	6	852	980	1065	1363	787	905	983	1258	678	780	848	1085	
	10	7½	1065	1225	1331	1704	983	1131	1229	1573	848	975	1060	1356	
	12	9	1278	1470	1598	1777	1180	1357	1475	1777	1017	1170	1272	1628	
	14	10½	1491	1715	1777	1777	1376	1583	1721	1777	1187	1365	1483	1777	
	16	12	1704	1777	1777	1777	1573	1777	1777	1777	1356	1560	1695	1777	
	17	12¾	1777	1777	1777	1777	1671	1777	1777	1777	1441	1657	1777	1777	
	18	13½	1777	1777	1777	1777	1770	1777	1777	1777	1526	1755	1777	1777	
	19	14¼	1777	1777	1777	1777	1777	1777	1777	1777	1611	1777	1777	1777	
	20	15	1777	1777	1777	1777	1777	1777	1777	1777	1695	1777	1777	1777	
	21	15¾	1777	1777	1777	1777	1777	1777	1777	1777	1777	1777	1777	1777	
10d x 1½ (0.148 x 1.5") & 10d Common (0.148 x 3")	4	3	512	589	641	820	473	544	591	757	408	469	509	652	
	6	4½	769	884	961	1230	709	816	887	1135	611	703	764	978	
	8	6	1025	1179	1281	1640	946	1088	1182	1513	815	937	1019	1304	
	10	7½	1281	1473	1601	1777	1182	1360	1478	1777	1019	1172	1274	1630	
	11	8¼	1409	1621	1762	1777	1300	1496	1626	1777	1121	1289	1401	1777	
	12	9	1537	1768	1777	1777	1419	1632	1773	1777	1223	1406	1528	1777	
	13	9¾	1665	1777	1777	1777	1537	1767	1777	1777	1324	1523	1656	1777	
	14	10½	1777	1777	1777	1777	1655	1777	1777	1777	1426	1640	1777	1777	
	15	11¼	1777	1777	1777	1777	1773	1777	1777	1777	1528	1757	1777	1777	
	16	12	1777	1777	1777	1777	1777	1777	1777	1777	1630	1777	1777	1777	
	17	12¾	1777	1777	1777	1777	1777	1777	1777	1777	1732	1777	1777	1777	
	18	13½	1777	1777	1777	1777	1777	1777	1777	1777	1777	1777	1777	1777	
CS16-150 8d x 1½ (0.131 x 1.5") & 8d Common (0.131 x 2.5")	4	3	438	504	548	701	405	466	506	648	350	402	437	560	
	6	4½	658	756	822	1052	608	699	760	972	525	604	656	840	
	8	6	877	1008	1096	1403	810	932	1013	1296	700	805	875	1120	
	10	7½	1096	1260	1370	1754	1013	1165	1266	1621	875	1006	1093	1400	
	12	9	1315	1513	1644	2104	1215	1398	1519	1945	1050	1207	1312	1679	
	14	10½	1534	1765	1918	2206	1418	1631	1772	2026	1225	1408	1531	1959	
	16	12	1754	2017	2192	2206	1621	1864	2026	2206	1400	1610	1749	2206	
	18	13½	1973	2206	2206	2206	1823	2097	2206	2206	1575	1811	1968	2206	
	20	15	2192	2206	2206	2206	2026	2206	2206	2206	1749	2012	2187	2206	
	21	15¾	2206	2206	2206	2206	2127	2206	2206	2206	1837	2112	2206	2206	
	22	16½	2206	2206	2206	2206	2206	2206	2206	2206	1924	2206	2206	2206	
	24	18	2206	2206	2206	2206	2206	2206	2206	2206	2099	2206	2206	2206	
	26	19½	2206	2206	2206	2206	2206	2206	2206	2206	2206	2206	2206	2206	
	10d x 1½ (0.148 x 1.5") & 10d Common (0.148 x 3")	4	3	525	604	657	840	485	558	606	776	419	482	524	670
6		4½	788	906	985	1261	728	837	910	1164	628	722	785	1005	
8		6	1050	1208	1313	1681	970	1116	1213	1553	838	963	1047	1340	
10		7½	1313	1510	1641	2101	1213	1395	1516	1941	1047	1204	1309	1675	
12		9	1576	1812	1970	2206	1456	1674	1819	2206	1256	1445	1571	2010	
14		10½	1838	2114	2206	2206	1698	1953	2123	2206	1466	1686	1832	2206	
16		12	2101	2206	2206	2206	1941	2206	2206	2206	1675	1927	2094	2206	
18		13½	2206	2206	2206	2206	2183	2206	2206	2206	1885	2167	2206	2206	
20		15	2206	2206	2206	2206	2206	2206	2206	2206	2094	2206	2206	2206	



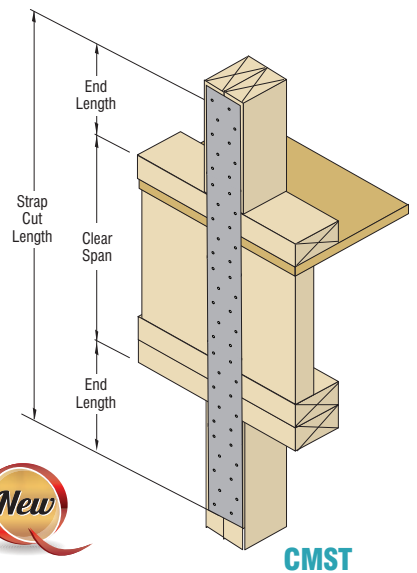
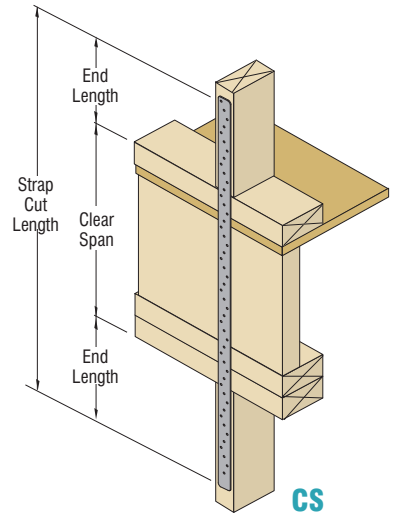
NOTES:

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.

Coil Strapping

ALLOWABLE 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)				
			Load Duration Factor												
Size	No. Each End of Strap		1.0	1.15	1.25	1.60	1.0	1.15	1.25	1.60	1.0	1.15	1.25	1.60	
CS14-100	8d x 1½ (0.131 x 1.5") & 8d Common (0.131 x 2.5")	4	3	457	526	572	732	423	487	529	677	366	421	458	586
		6	4½	686	789	858	1098	635	730	793	1015	549	631	686	878
		8	6	915	1052	1143	1464	846	973	1058	1354	732	842	915	1171
		10	7½	1143	1315	1429	1829	1058	1216	1322	1692	915	1052	1144	1464
		12	9	1372	1578	1715	2195	1269	1460	1587	2031	1098	1263	1373	1757
		14	10½	1601	1841	2001	2561	1481	1703	1851	2369	1281	1473	1601	2050
		16	12	1829	2104	2287	2718	1692	1946	2115	2708	1464	1684	1830	2343
		18	13½	2058	2367	2573	2718	1904	2189	2380	2718	1647	1894	2059	2635
		20	15	2287	2630	2718	2718	2115	2433	2644	2718	1830	2105	2288	2718
		22	16½	2515	2718	2718	2718	2327	2676	2718	2718	2013	2315	2517	2718
		24	18	2718	2718	2718	2718	2539	2718	2718	2718	2196	2526	2718	2718
		25	18¾	2718	2718	2718	2718	2644	2718	2718	2718	2288	2631	2718	2718
		26	19½	2718	2718	2718	2718	2718	2718	2718	2718	2379	2718	2718	2718
		27	20¼	2718	2718	2718	2718	2718	2718	2718	2718	2471	2718	2718	2718
CS14-100	10d x 1½ (0.148 x 1.5") & 10d Common (0.148 x 3")	28	21	2718	2718	2718	2718	2718	2718	2718	2718	2562	2718	2718	2718
		29	21¾	2718	2718	2718	2718	2718	2718	2718	2718	2654	2718	2718	2718
		30	22½	2718	2718	2718	2718	2718	2718	2718	2718	2718	2718	2718	2718
		4	3	545	627	681	872	504	580	630	806	436	501	545	697
		6	4½	818	940	1022	1308	756	869	945	1210	654	752	817	1046
		8	6	1090	1254	1363	1744	1008	1159	1260	1613	872	1002	1090	1395
		10	7½	1363	1567	1703	2180	1260	1449	1575	2016	1090	1253	1362	1743
		12	9	1635	1880	2044	2616	1512	1739	1890	2419	1307	1504	1634	2092
		14	10½	1908	2194	2385	2718	1764	2029	2205	2718	1525	1754	1907	2441
		16	12	2180	2507	2718	2718	2016	2319	2520	2718	1743	2005	2179	2718
		18	13½	2453	2718	2718	2718	2268	2608	2718	2718	1961	2255	2452	2718
		20	15	2718	2718	2718	2718	2520	2718	2718	2718	2179	2506	2187	2718
		21	15¾	2718	2718	2718	2718	2646	2718	2718	2718	2288	2631	2718	2718
		22	16½	2718	2718	2718	2718	2718	2718	2718	2718	2397	2718	2718	2718
CMST16-54	10d Common (0.148 x 3")	23	17¼	2718	2718	2718	2718	2718	2718	2718	2718	2506	2718	2718	2718
		24	18	2718	2718	2718	2718	2718	2718	2718	2718	2615	2718	2718	2718
		25	18¾	2718	2718	2718	2718	2718	2718	2718	2718	2718	2718	2718	2718
		6	4½	788	906	985	1,261	728	837	910	1,164	628	722	785	1,005
		12	9	1,576	1,812	1,970	2,521	1,456	1,674	1,819	2,329	1,256	1,445	1,571	2,010
		18	13½	2,364	2,718	2,954	3,782	2,183	2,511	2,729	3,493	1,885	2,167	2,356	3,015
		24	18	3,151	3,624	3,939	5,042	2,911	3,348	3,639	4,658	2,513	2,890	3,141	4,021
		30	22½	3,939	4,530	4,924	5,295	3,639	4,185	4,549	5,295	3,141	3,612	3,926	5,026
	16d Common (0.162 x 3.5")	36	27	4,727	5,295	5,295	5,295	4,367	5,022	5,295	5,295	3,769	4,335	4,712	5,295
		42	31½	5,295	5,295	5,295	5,295	5,095	5,295	5,295	5,295	4,397	5,057	5,295	5,295
		48	36	5,295	5,295	5,295	5,295	5,295	5,295	5,295	5,295	5,026	5,295	5,295	5,295
		54	40½	5,295	5,295	5,295	5,295	5,295	5,295	5,295	5,295	5,295	5,295	5,295	5,295
		6	4½	933	1,073	1,166	1,493	861	991	1,077	1,378	743	854	929	1,189
		12	9	1,866	2,146	2,332	2,985	1,723	1,981	2,154	2,757	1,486	1,709	1,858	2,378
18		13½	2,799	3,219	3,498	4,478	2,584	2,972	3,230	4,135	2,229	2,563	2,786	3,567	
24		18	3,732	4,291	4,665	5,295	3,446	3,963	4,307	5,295	2,972	3,418	3,715	4,755	



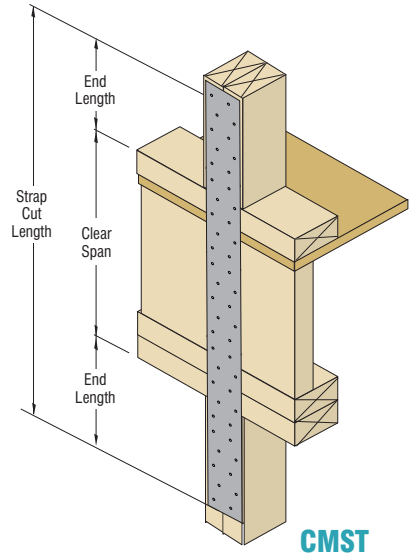
NOTES:

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.

Coil Strapping

ALLOWABLE LOADS FOR CMST14-52.5 & CMST12-40 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)				
			Load Duration Factor												
Size	No. Each End of Strap		1.0	1.15	1.25	1.60	1.0	1.15	1.25	1.60	1.0	1.15	1.25	1.60	
CMST14-52.5	10d Common (0.148 x 3")	6	4 1/2	818	940	1,022	1,308	756	869	945	1,210	654	752	817	1,046
		12	9	1,635	1,880	2,044	2,616	1,512	1,739	1,890	2,419	1,307	1,504	1,634	2,092
		18	13 1/2	2,453	2,821	3,066	3,925	2,268	2,608	2,835	3,629	1,961	2,255	2,452	3,138
		24	18	3,270	3,761	4,088	5,233	3,024	3,478	3,780	4,839	2,615	3,007	3,269	4,184
		30	22 1/2	4,088	4,701	5,110	6,524	3,780	4,347	4,725	6,049	3,269	3,759	4,086	5,230
		36	27	4,906	5,641	6,132	6,524	4,536	5,217	5,671	6,524	3,922	4,511	4,903	6,276
		42	31 1/2	5,723	6,524	6,524	6,524	5,293	6,086	6,524	6,524	4,567	5,263	5,720	6,524
		48	36	6,524	6,524	6,524	6,524	6,049	6,524	6,524	6,524	5,230	6,014	6,524	6,524
		54	40 1/2	6,524	6,524	6,524	6,524	6,524	6,524	6,524	6,524	5,884	6,524	6,524	6,524
		60	45	6,524	6,524	6,524	6,524	6,524	6,524	6,524	6,524	6,524	6,524	6,524	6,524
	16d Common (0.162 x 3.5")	4	4 1/2	962	1,107	1,203	1,540	889	1,023	1,112	1,523	768	884	961	1,229
		6	9	1,924	2,213	2,406	3,079	1,779	2,046	2,223	2,846	1,537	1,767	1,921	2,459
		8	13 1/2	2,887	3,320	3,608	4,619	2,668	3,068	3,335	4,269	2,305	2,651	2,882	3,688
		10	18	3,849	4,426	4,811	6,158	3,558	4,091	4,447	5,692	3,074	3,535	3,842	4,918
		11	22 1/2	4,811	5,533	6,014	6,524	4,447	5,114	5,559	6,524	3,842	4,418	4,803	6,147
		12	27	6,014	6,524	6,524	6,524	5,336	6,137	6,524	6,524	4,611	5,302	5,763	6,524
		13	31 1/2	6,524	6,524	6,524	6,524	6,226	6,524	6,524	6,524	5,379	6,186	6,524	6,524
		14	36	6,524	6,524	6,524	6,524	6,524	6,524	6,524	6,524	6,147	6,524	6,524	6,524
		15	40 1/2	6,524	6,524	6,524	6,524	6,524	6,524	6,524	6,524	6,524	6,524	6,524	6,524
		CMST12-40	10d Common (0.148 x 3")	6	4 1/2	906	1,041	1,132	1,449	839	965	1,049	1,342	727	837
12	9			1,811	2,083	2,264	2,898	1,678	1,929	2,097	2,684	1,455	1,673	1,819	2,328
18	13 1/2			2,717	3,124	3,396	4,347	2,517	2,894	3,146	4,027	2,182	2,510	2,728	3,492
24	18			3,622	4,165	4,528	5,795	3,356	3,859	4,194	5,369	2,910	3,346	3,637	4,656
30	22 1/2			4,528	5,207	5,660	7,244	4,194	4,824	5,243	6,711	3,637	4,183	4,547	5,820
36	27			5,433	6,248	6,791	8,693	5,033	5,788	6,292	8,053	4,365	5,020	5,456	6,984
42	31 1/2			6,339	7,290	7,923	9,256	5,872	6,753	7,340	9,256	5,092	5,856	6,366	8,148
48	36			7,244	8,331	9,055	9,256	6,711	7,718	8,389	9,256	5,820	6,693	7,275	9,256
54	40 1/2			8,150	9,256	9,256	9,256	7,550	8,683	9,256	9,256	6,547	7,530	8,184	9,256
60	45			9,055	9,256	9,256	9,256	8,369	9,256	9,256	9,256	7,275	8,366	9,094	9,256
66	49 1/2			9,256	9,256	9,256	9,256	9,228	9,256	9,256	9,256	8,002	9,203	9,256	9,256
72	54			9,256	9,256	9,256	9,256	9,256	9,256	9,256	9,256	8,730	9,256	9,256	9,256
78	58 1/2			9,256	9,256	9,256	9,256	9,256	9,256	9,256	9,256	9,256	9,256	9,256	9,256
16d Common (0.162 x 3.5")	6		4 1/2	1,051	1,209	1,314	1,681	973	1,119	1,216	1,557	843	970	1,054	1,349
	12		9	2,102	2,417	2,627	3,363	1,946	2,238	2,433	3,114	1,687	1,939	2,108	2,698
	18		13 1/2	3,153	3,626	3,941	5,044	2,919	3,357	3,649	4,671	2,530	2,909	3,162	4,048
	24		18	4,204	4,834	5,254	6,726	3,892	4,476	4,866	6,228	3,373	3,879	4,216	5,397
	30		22 1/2	5,254	6,043	6,568	8,407	4,866	5,595	6,082	7,785	4,216	4,849	5,270	6,746
	36		27	6,305	7,251	7,882	9,256	5,839	6,714	7,298	9,256	5,060	5,818	6,324	8,095
	42		13 1/2	7,356	8,460	9,195	9,256	6,812	7,834	8,515	9,256	5,903	6,788	7,378	9,256
	48	36	8,407	9,256	9,256	9,256	7,785	8,953	9,256	9,256	6,746	7,758	8,433	9,256	
	54	40 1/2	9,256	9,256	9,256	9,256	8,758	9,256	9,256	9,256	7,589	8,728	9,256	9,256	
	60	45	9,256	9,256	9,256	9,256	9,256	9,256	9,256	9,256	8,433	9,256	9,256	9,256	
66	49 1/2	9,256	9,256	9,256	9,256	9,256	9,256	9,256	9,256	9,256	9,256	9,256	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.