

Wood Connectors



Flat Straps

LS & MS SERIES

PRODUCT FEATURES:

The Light Strap (LS) and Medium Strap (MS) are used to resist wind uplift and are manufactured in lengths varying from 9-5/8" to 48-5/8".

Each strap is 1-1/4" wide with nail holes punched at intervals of 1-1/2" along its length. The nail holes are staggered across the width of the strap to prevent wood splitting.

MATERIAL:

LS Series – 20 Gauge

MS Series – 16 Gauge

COATING:

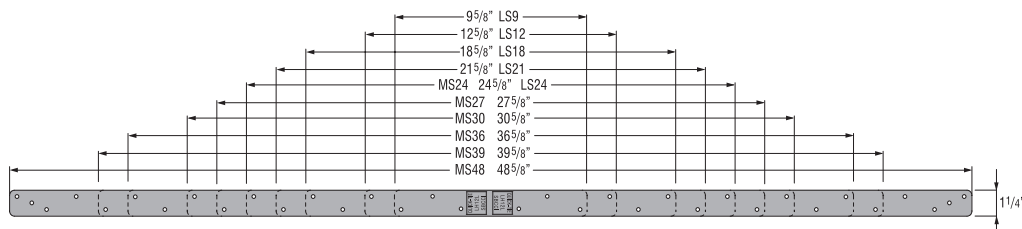
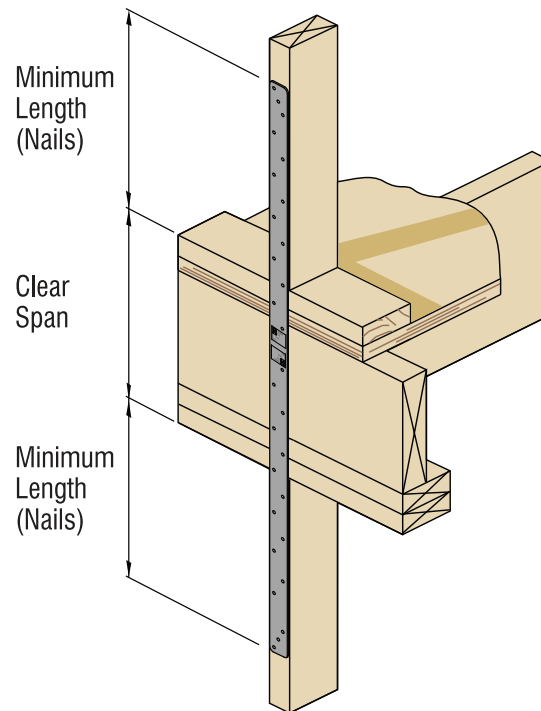
Galvanized (G185)

INSTALLATION:

- Use all specified fasteners in schedule to achieve values indicated
- May be installed on each side of member for twice the loads when the member thickness is greater than 2-1/2"

CODE COMPLIANCE:

TER 0910-01; FL 3557



ALLOWABLE LOADS FOR LS & MS SERIES STRAPS (LB)^{1,2}

Model No.	Fasteners		Southern Pine (SG=0.55)		Douglas Fir - Larch (SG=0.50)		Spruce - Pine - Fir (SG=0.42)	
	Size	No. of Nails Each End of Strap	Load Duration Factor ²					
			1.00	1.60	1.00	1.60	1.00	1.60
LS	8d (0.131 x 2.5")	4	416	666	384	614	328	525
		5	520	832	480	768	410	656
		7	728	1,165	672	1,075	574	918
		8	832	1,295	768	1,229	656	1,050
		9	936	1,295	864	1,295	738	1,181
	10d x 1 1/2 (0.148 x 1.5")	4	500	800	460	736	392	627
		5	625	1,000	575	920	490	784
		7	875	1,295	805	1,288	686	1,098
		8	1,000	1,295	920	1,295	784	1,254
		9	1,125	1,295	1,035	1,295	882	1,295
	10d (0.148 x 3")	4	504	806	464	742	396	634
		5	630	1,008	580	928	495	792
		7	882	1,295	812	1,295	693	1,109
		8	1,008	1,295	928	1,295	792	1,267
		9	1,134	1,295	1,044	1,295	891	1,295
MS	8d (0.131 x 2.5")	9	981	1,570	909	1,454	783	1,253
		10	1,090	1,744	1,010	1,616	870	1,392
		11	1,199	1,918	1,111	1,778	957	1,531
		13	1,417	2,118	1,313	2,101	1,131	1,810
		14	1,526	2,118	1,414	2,118	1,218	1,949
		14	1,526	2,118	1,414	2,118	1,218	1,949
	10d x 1 1/2 (0.148 x 1.5")	9	1,152	1,843	1,062	1,699	909	1,454
		10	1,280	2,048	1,180	1,888	1,010	1,616
		11	1,408	2,118	1,298	2,077	1,111	1,778
		13	1,664	2,118	1,534	2,118	1,313	2,101
		14	1,792	2,118	1,652	2,118	1,414	2,118
		14	1,792	2,118	1,652	2,118	1,414	2,118
	10d (0.148 x 3")	9	1,179	1,886	1,089	1,742	936	1,498
		10	1,310	2,096	1,109	1,936	1,040	1,664
		11	1,441	2,118	1,331	2,118	1,144	1,830
13		1,703	2,118	1,573	2,118	1,352	2,118	
14		1,834	2,118	1,694	2,118	1,456	2,118	
14		1,834	2,118	1,694	2,118	1,456	2,118	

NOTES:

- Allowable tension loads apply for uplift when the straps are installed vertically.
- Allowable tension loads for load durations of two months (i.e., 115%) and seven days (i.e., 125%) may be obtained by multiplying the corresponding allowable tension load in the load duration factor column marked "1.0" by 1.15 or 1.25 respectively, with a maximum of 1,295 lb (LS Series) and 2,118 lb (MS Series).