

**NEW! HRS, a heavy 12 gauge strap tie, provides greater support in construction and repair of home projects. Straight lines and chamfered edges for better appearance. Easy nailing pattern for connecting the sides of 2x members.**

The MSTC series has countersunk nail slots for a lower nailing profile. Coined edges ensure safer handling.

Install Strap Ties where plates or soles are cut, at wall intersections, and as ridge ties. LSTA and MSTA straps are engineered for use on 1 1/2" members. The 3" center-to-center nail spacing reduces the possibility of splitting. For the MST, this may be a problem on lumber narrower than

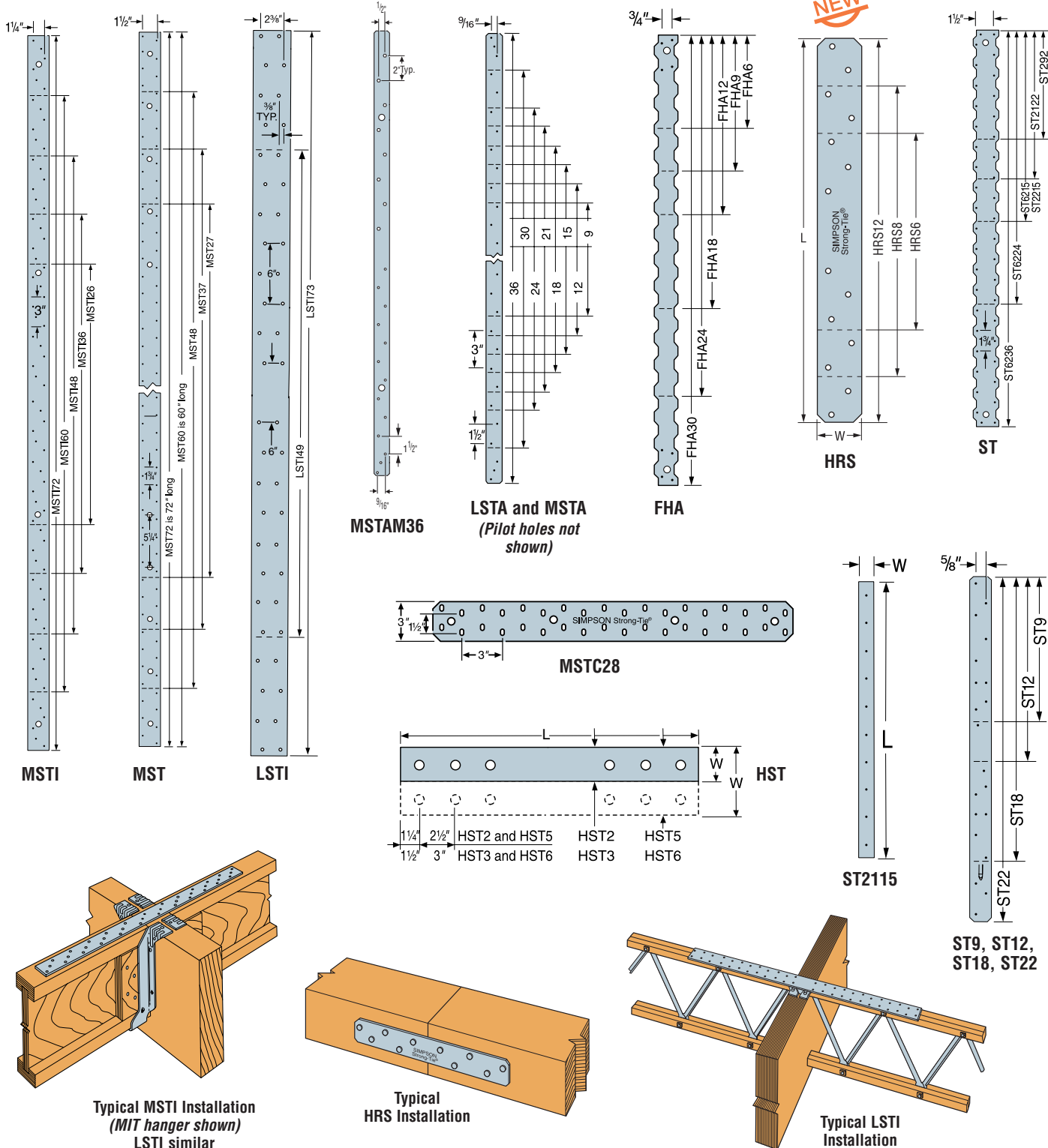
3 1/2"; either fill every nail hole with 10dx1 1/2" nails or fill every other nail hole with 16d commons. Reduce the allowable load based on the size and quantity of fasteners used. The LSTI light strap ties are suitable where gun-nailing is necessary through diaphragm decking and wood chord open web trusses.

**FINISH:** PS-HDG; all others-galvanized. Some products are available in stainless steel or Z-MAX; see Corrosion-Resistance, page 5.

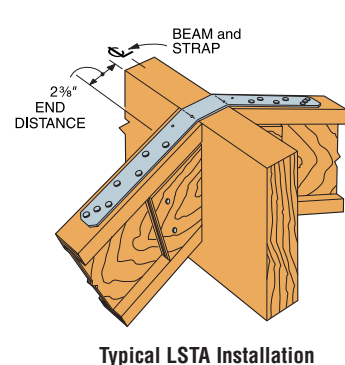
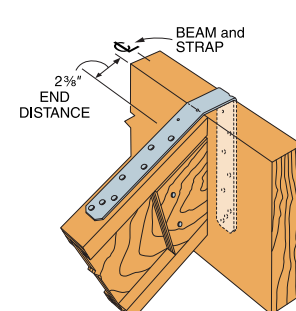
**INSTALLATION:** Use all specified fasteners. See General Notes.

**OPTIONS:** Special sizes can be made to order. See also HCST.

**CODES:** See page 10 for Code Listing Key Chart.

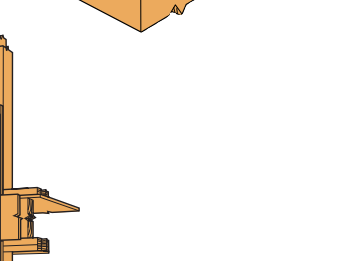
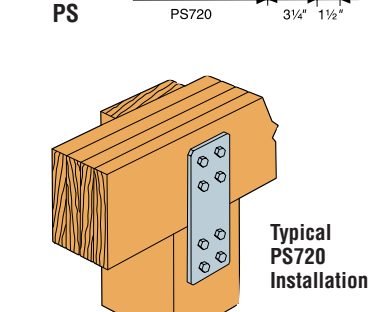


Model No.	Ga	Dimensions		Fasteners (Total)	Allowable Tension Loads (DF/SP)		Allowable Tension Loads (SPF/HF)		Code Ref.	
		W	L		(133)	(160)	(133)	(160)		
LSTA9	20	1 1/4	9	8-10d	645	775	555	665	7, 62, 90	
LSTA12		1 1/4	12	10-10d	805	970	695	830		
LSTA15		1 1/4	15	12-10d	970	1160	830	1000		
LSTA18		1 1/4	18	14-10d	1130	1235	970	1165		
LSTA21		1 1/4	21	16-10d	1235	1235	1110	1235		
LSTA24		1 1/4	24	18-10d	1235	1235	1235	1235		
ST292		2 1/16	9 9/16	12-16d	1120	1265	970	1160		
ST2122		2 1/16	12 3/16	16-16d	1505	1535	1290	1535		
ST2115		3/4	16 9/16	8-16d	665	665	665	665		
ST2215		2 1/16	16 9/16	20-16d	1880	1880	1625	1880		
LSTA30	18	1 1/4	30	22-10d	1640	1640	1555	1640	7, 62, 90	
LSTA36		1 1/4	36	24-10d	1640	1640	1640	1640		
LSTI49		3 3/4	49	32-10dx1 1/2	2580	3100	2220	2660		
LSTI73		3 3/4	73	48-10dx1 1/2	3870	4215	3330	3995		9
MSTA9		1 1/4	9	8-10d	650	780	565	680		
MSTA12		1 1/4	12	10-10d	815	975	705	850		7, 62, 90
MSTA15		1 1/4	15	12-10d	975	1170	850	1020		
MSTA18		1 1/4	18	14-10d	1140	1365	990	1185		
MSTA21		1 1/4	21	16-10d	1300	1560	1130	1355		
MSTA24		1 1/4	24	18-10d	1465	1640	1270	1525		
MSTA30	1 1/4	30	22-10d	1835	2050	1585	1900			
MSTA36	1 1/4	36	26-10d	2050	2050	1870	2050			
ST6215	2 1/16	16 9/16	20-16d	1895	2095	1640	1970	3, 39, 88, 104		
ST6224	2 1/16	23 9/16	28-16d	2540	2540	2315	2540			
ST9	16	1 1/4	9	8-16d	755	910	655	785	3, 39, 88	
ST12		1 1/4	11 5/8	10-16d	945	1135	820	985		
ST18		1 1/4	17 3/4	14-16d	1325	1420	1150	1380		
ST22		1 1/4	21 5/8	18-16d	1420	1420	1420	1420		
MSTC28		3	28 1/4	36-16d sinkers	3000	3600	2590	3110		9, 23
MSTC40		3	40 1/4	52-16d sinkers	4335	4585	3745	4495		
MSTC52	3	52 1/4	62-16d sinkers	4585	4585	4465	4585			
MSTC66	3	65 3/4	76-16d sinkers	5660	5660	5660	5660			
MSTC78	14	3	77 3/4	76-16d sinkers	5660	5660	5660	5660	3, 39, 88	
ST6236		2 1/16	33 9/16	40-16d	3845	3845	3845	3845		
HRS6	12	1 1/8	6	6-10d	525	630	455	545	160	
HRS8		1 1/8	8	10-10d	875	1050	760	910		
HRS12		1 1/8	12	14-10d	1225	1465	1065	1275		
FHA6	12	1 7/16	6 3/8	8-16d	810	975	705	845	3, 39, 88	
FHA9		1 7/16	9	8-16d	810	975	705	845		
FHA12		1 7/16	11 3/8	8-16d	810	975	705	845		
FHA18		1 7/16	17 3/4	8-16d	810	975	705	845		
FHA24		1 7/16	23 3/8	8-16d	810	975	705	845		
FHA30		1 7/16	30	8-16d	810	975	705	845		
MSTI26		2 1/16	26	26-10dx1 1/2	2355	2830	2045	2455		
MSTI36		2 1/16	36	36-10dx1 1/2	3265	3915	2830	3400		
MSTI48		2 1/16	48	48-10dx1 1/2	4350	5080	3775	4530		
MSTI60		2 1/16	60	60-10dx1 1/2	5080	5080	4720	5080		
MSTI72	2 1/16	72	64-10dx1 1/2	5080	5080	5080	5080	3, 39		



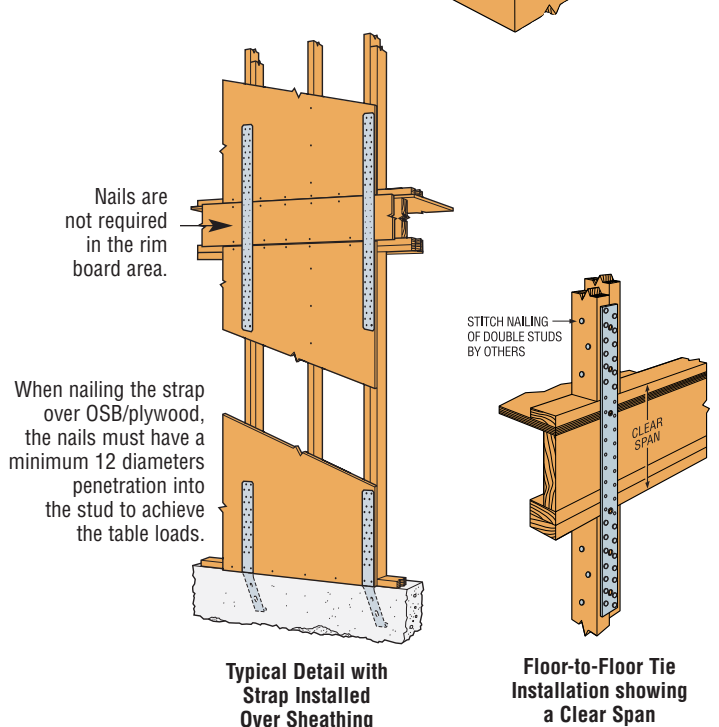
**CODES:** See page 10 for Code Listing Key Chart.

Model No.	Ga	Dimensions	Bolts	Code Ref.
		W L	Qty Dia	
PS218 <sup>g</sup>	7	2 18	4 5/8	180
PS418 <sup>g</sup>		4 18	4 5/8	
PS720 <sup>g</sup>		6 3/4 20	8 1 1/2	



### Floor-to-Floor Clear Span Table

Model No.	Clear Span	Fasteners (Total)	Allowable Tension Loads (DF/SP)		Allowable Tension Loads (SPF/HF)	
			(133)	(160)	(133)	(160)
MSTC28	18	12-16d sinker	1000	1200	865	1035
MSTC28	16	16-16d sinker	1335	1600	1150	1380
MSTC40	18	28-16d sinker	2335	2800	2015	2420
MSTC40	16	36-16d sinker	3000	3600	2590	3110
MSTC52	18	44-16d sinker	3665	4400	3170	3800
MSTC52	16	48-16d sinker	4000	4585	3455	4145
MSTC66	18	64-16d sinker	5505	5660	4780	5660
MSTC66	16	68-16d sinker	5660	5660	5075	5660
MSTC78	18	76-16d sinker	5660	5660	5660	5660
MSTC78	16	76-16d sinker	5660	5660	5660	5660
MST37	18	20-16d	2095	2510	1825	2190
MST37	16	22-16d	2305	2765	2010	2410
MST48	18	32-16d	3370	3635	2925	3505
MST48	16	34-16d	3580	3635	3105	3635
MST60	18	46-16d	4830	4830	4600	4830
MST60	16	48-16d	4830	4830	4800	4830
MST72	18	56-16d	6420	6945	5600	6720
MST72	16	56-16d	6420	6945	5600	6720
MSTI36	18	14-10dx1 1/2	1270	1525	1100	1320
MSTI36	16	16-10dx1 1/2	1450	1740	1260	1510
MSTI48	18	26-10dx1 1/2	2355	2830	2045	2455
MSTI48	16	28-10dx1 1/2	2540	3045	2205	2645
MSTI60	18	38-10dx1 1/2	3445	4135	2990	3585
MSTI60	16	40-10dx1 1/2	3625	4350	3145	3775
MSTI72	18	50-10dx1 1/2	4535	5080	3935	4720
MSTI72	16	52-10dx1 1/2	4715	5080	4090	4910



**CODES:** See page 10 for Code Listing Key Chart.

Model No.	Ga	Dimensions		Fasteners (Total)		Allowable Tension Loads (DF/SP)				Allowable Tension Loads (SPF/HF)				Code Ref.	
		W	L	Nails	Bolts	Nails		Bolts		Nails		Bolts			
						Qty	Dia	(133)	(160)	(133)	(160)	(133)	(160)		(133)
MST27	12	2 1/16	27	30-16d	6	1/2	3140	3770	1800	2160	2740	3290	1665	2000	3, 39, 88
MST37		2 1/16	37 1/2	42-16d	6	1/2	4395	5080	2525	3025	3835	4605	2335	2805	
MST48		2 1/16	48	46-16d	8	1/2	4845	5310	3065	3675	4200	5040	2840	3410	
MST60		2 1/16	60	56-16d	10	1/2	6420	6760	3740	4485	5600	6510	3480	4175	
MST72		2 1/16	72	56-16d	10	1/2	6420	6760	3740	4485	5600	6720	3480	4175	
HST2	7	2 1/2	21 1/4	—	6	5/8	—	—	4350	5220	—	—	4030	4835	
HST5		5	21 1/4	—	12	3/4	—	—	8875	10650	—	—	8225	9870	
HST3	3	3	25 1/2	—	6	3/4	—	—	6400	7680	—	—	5550	6660	
HST6		6	25 1/2	—	12	3/4	—	—	12890	15470	—	—	11100	13320	

**1. Loads include a 33% or 60% load duration increase on the fasteners for seismic or wind loading, but DO NOT include a 33% stress increase on the steel capacity. Refer to page 12 for further explanation.**

**2. 10dx1 1/2" nails may be substituted where 16d sinkers are specified at 0.77 of the table loads.**

**3. 10d commons may be substituted where 16d sinkers are specified at 100% of the table loads.**

**4. 16d sinkers (9 gauge x 3 1/4") or 10d commons are specified at 0.85 of the table loads.**

**5. Allowable bolt loads are based on parallel-to-grain loading and these minimum member thicknesses: MST-2 1/2"; HST2 and HST5-4"; HST3 and HST6-4 1/2".**

**6. Use half of the nails in each member being connected to achieve the listed loads.**

**7. For overlap splice details, refer to T-CMST.**