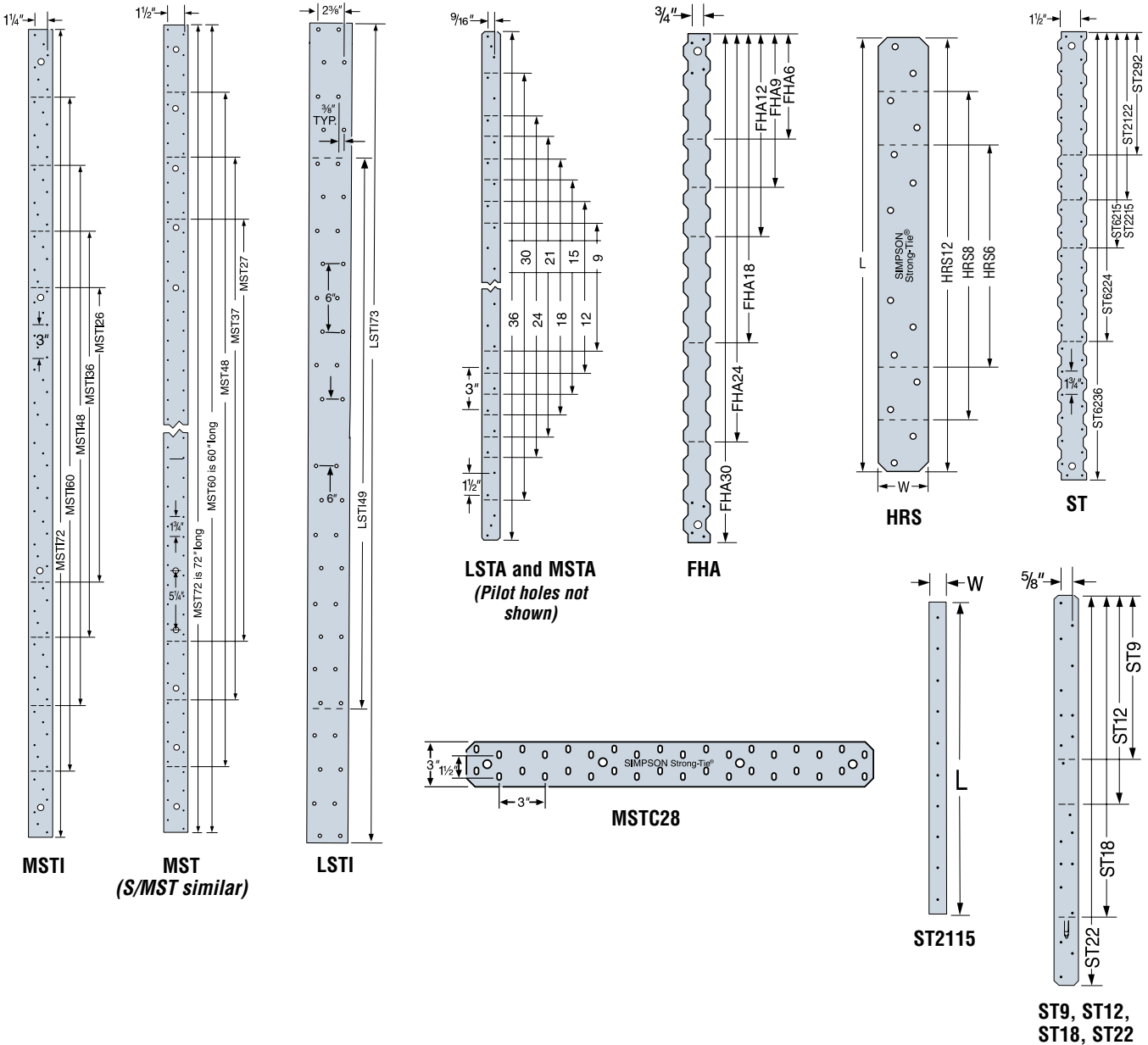


HRS/ST/FHA/PS/LSTA/LSTI/S/MST/MSTA/MSTC/MSTI Strap Ties

Straps are load rated and provide the correct thickness and number of fasteners the specifier is looking for compared with field fabricated straps. Install Strap Ties where top or bottom plates are cut, at wall intersections, and as ridge ties. Reduce the allowable load based on the size and quantity of fasteners used. Refer to applicable code for minimum edge and end distances.

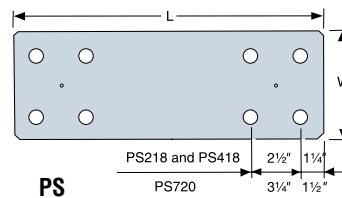
FINISH: PS—HDG; all others—galvanized.
Some products are available in stainless steel or ZMAX®; see Corrosion Information, page 12–13.
INSTALLATION: Use all specified fasteners. See General Notes.
CODES: See page 8 for Code Listing Key Chart.

Straps & Ties



Model No.	Material Thickness mil (ga)	Dimensions		Bolts		Code Ref.
		W	L	Qty	Dia	
PS218 ⁴	171 mil (7 ga)	2	18	4	5/8	180
PS418 ⁴		4	18	4	5/8	
PS720 ⁴		6 3/4	20	8	1/2	

1. PS strap design loads must be determined by the Designer for each illustration. Hole diameter in the part may be oversized to accommodate the HDG. Designer must determine if the oversize creates an unacceptable installation.



HRS/ST/FHA/PSLSTA/LSTI/S/MST/MSTA/MSTC/MSTI Strap Ties

CODES: See page 7 for Code Listing Key Chart.

Available with additional corrosion protection. Check with factory.

Model No.	Material Thick. mil (ga)	Dimensions		Fasteners (Total)			Allowable Tension Loads						Code Ref.
				Rafter/Stud/Joist Thickness			33 mil (20 ga)		43 mil (18 ga)		54 mil (16 ga)		
		W	L	33 mil (20 ga)	43 mil (18 ga)	54 mil (16 ga)	(100)	(133)	(100)	(133)	(100)	(133)	
LSTA9	33 (20 ga)	1¼	9	8- #10	8- #10	8- #10	705	945	1120	1495	1190	1590	151
LSTA12		1¼	12	10- #10	10- #10	8- #10	885	1180	1190	1590	1190	1590	
LSTA15		1¼	15	12- #10	12- #10	10- #10	1060	1415	1190	1590	1190	1590	
LSTA18		1¼	18	14- #10	12- #10	10- #10	1190	1590	1190	1590	1190	1590	
LSTA21		1¼	21	14- #10	12- #10	10- #10	1190	1590	1190	1590	1190	1590	
LSTA24		1¼	24	14- #10	12- #10	10- #10	1190	1590	1190	1590	1190	1590	
ST292		2½/16	9½/16	12- #10	10- #10	10- #10	1060	1415	1240	1650	1240	1650	
ST2122	2½/16	12½/16	16- #10	12- #10	10- #10	1415	1885	1502	2005	1502	2005		
ST2115	¾	16½/16	8- #10	6- #10	4- #10	630	840	630	840	630	840		
ST2215	2½/16	16½/16	20- #10	14- #10	10- #10	1765	2355	1825	2435	1825	2435		
LSTA30	43 (18 ga)	1¼	30	18- #10	12- #10	10- #10	1555	2070	1555	2070	1555	2070	151
LSTA36		1¼	36	18- #10	16- #10	14- #10	1555	2070	1555	2070	1555	2070	
LSTI49		3¾	49	32- #10	32- #10	20- #10	2830	3770	4050	5400	4050	5400	
LSTI73		3¾	73	46- #10	32- #10	20- #10	4050	5400	4050	5400	4050	5400	
MSTA9		1¼	9	8- #10	8- #10	8- #10	705	945	1050	1405	1555	2070	
MSTA12		1¼	12	10- #10	10- #10	8- #10	885	1180	1315	1755	1555	2070	
MSTA15		1¼	15	12- #10	12- #10	10- #10	1060	1415	1555	2070	1555	2070	
MSTA18	1¼	18	14- #10	12- #10	10- #10	1235	1650	1555	2070	1555	2070		
MSTA21	1¼	21	16- #10	12- #10	10- #10	1415	1885	1555	2070	1555	2070		
MSTA24	1¼	24	18- #10	12- #10	10- #10	1555	2070	1555	2070	1555	2070		
MSTA30	54 (16 ga)	1¼	30	22- #10	16- #10	12- #10	1945	2590	1950	2600	1950	2600	28, 104, 151
MSTA36		1¼	36	24- #10	18- #10	16- #10	1950	2600	1950	2600	1950	2600	
ST6215		2½/16	16½/16	20- #10	16- #10	10- #10	1765	2355	2025	2705	2025	2705	
ST6224		2½/16	23½/16	28- #10	20- #10	12- #10	2455	3275	2455	3275	2455	3275	
ST9		1¼	9	8- #10	8- #10	8- #10	705	945	1050	1405	1350	1800	
ST12		1¼	11½	10- #10	10- #10	8- #10	885	1180	1315	1755	1350	1800	
ST18		1¼	17¾	14- #10	12- #10	12- #10	1235	1650	1350	1800	1350	1800	
ST22	1¼	21½	20- #10	20- #10	20- #10	1350	1800	1350	1800	1350	1800		
MSTC28	68 (14 ga)	3	28¼	36- #10	36- #10	30- #10	3180	4240	4600	6130	4600	6130	151
MSTC40		3	40¼	52- #10	46- #10	46- #10	4595	6125	4600	6130	4600	6130	
MSTC52		3	52¼	54- #10	42- #10	42- #10	4600	6130	4600	6130	4600	6130	
MSTC66		3	65¾	66- #10	46- #10	30- #10	5795	7725	5795	7725	5795	7725	
MSTC78		3	77¾	66- #10	46- #10	30- #10	5795	7725	5795	7725	5795	7725	
ST6236		2½/16	33½/16	40- #10	30- #10	18- #10	3535	4715	3760	5015	3760	5015	
HRS6		97 (12 ga)	1½	6	6- #10	6- #10	6- #10	530	705	790	1050	1600	
HRS8	1½		8	10- #10	10- #10	10- #10	885	1180	1315	1755	2670	3060	
HRS12	1½		12	14- #10	14- #10	12- #10	1235	1650	1840	2455	2710	3615	
FHA6	17/16		6¾	8- #10	8- #10	8- #10	705	945	1050	1405	2045	2450	
FHA9	17/16		9	8- #10	8- #10	8- #10	705	945	1050	1405	2045	2450	
FHA12	17/16		11½	8- #10	8- #10	8- #10	705	945	1050	1405	2045	2450	
FHA18	17/16		17¾	8- #10	8- #10	8- #10	705	945	1050	1405	2045	2450	
FHA24	17/16		23¾	8- #10	8- #10	8- #10	705	945	1050	1405	2045	2450	
FHA30	17/16		30	8- #10	8- #10	8- #10	705	945	1050	1405	2045	2450	
MSTI26	2½/16		26	26- #10	26- #10	22- #10	2300	3065	3420	4560	5025	6700	
MSTI36	2½/16		36	36- #10	36- #10	22- #10	3180	4240	4735	6310	5025	6700	
MSTI48	2½/16		48	48- #10	40- #10	22- #10	4240	5655	5025	6700	5025	6700	
MSTI60	2½/16		60	58- #10	40- #10	22- #10	5025	6700	5025	6700	5025	6700	
MSTI72	2½/16		72	62- #10	58- #10	54- #10	5025	6700	5025	6700	5025	6700	
S/MST27	2½/16		27	30- #10	30- #10	22- #10	2650	3535	3945	5260	5025	6700	
S/MST37	2½/16		37	42- #10	40- #10	22- #10	3710	4950	5025	6700	5025	6700	
S/MST48	2½/16		48	54- #10	40- #10	24- #10	4770	6365	5155	6870	5155	6870	
S/MST60	118 (10 ga)	2½/16	60	68- #10	52- #10	30- #10	6010	8010	6650	8865	6650	8865	28, 104, 151
S/MST72		2½/16	72	76- #10	52- #10	30- #10	6650	8865	6650	8865	6650	8865	

1. Use half of the fasteners in each member being connected to achieve the listed loads.
2. Loads are based on lesser of steel capacity or fastener calculation.
3. Tabulated loads shown at (100) do not include steel stress increase. Tabulated loads shown at (133) include a ½ stress increase on the steel. Refer to page 12 for additional information.