

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.

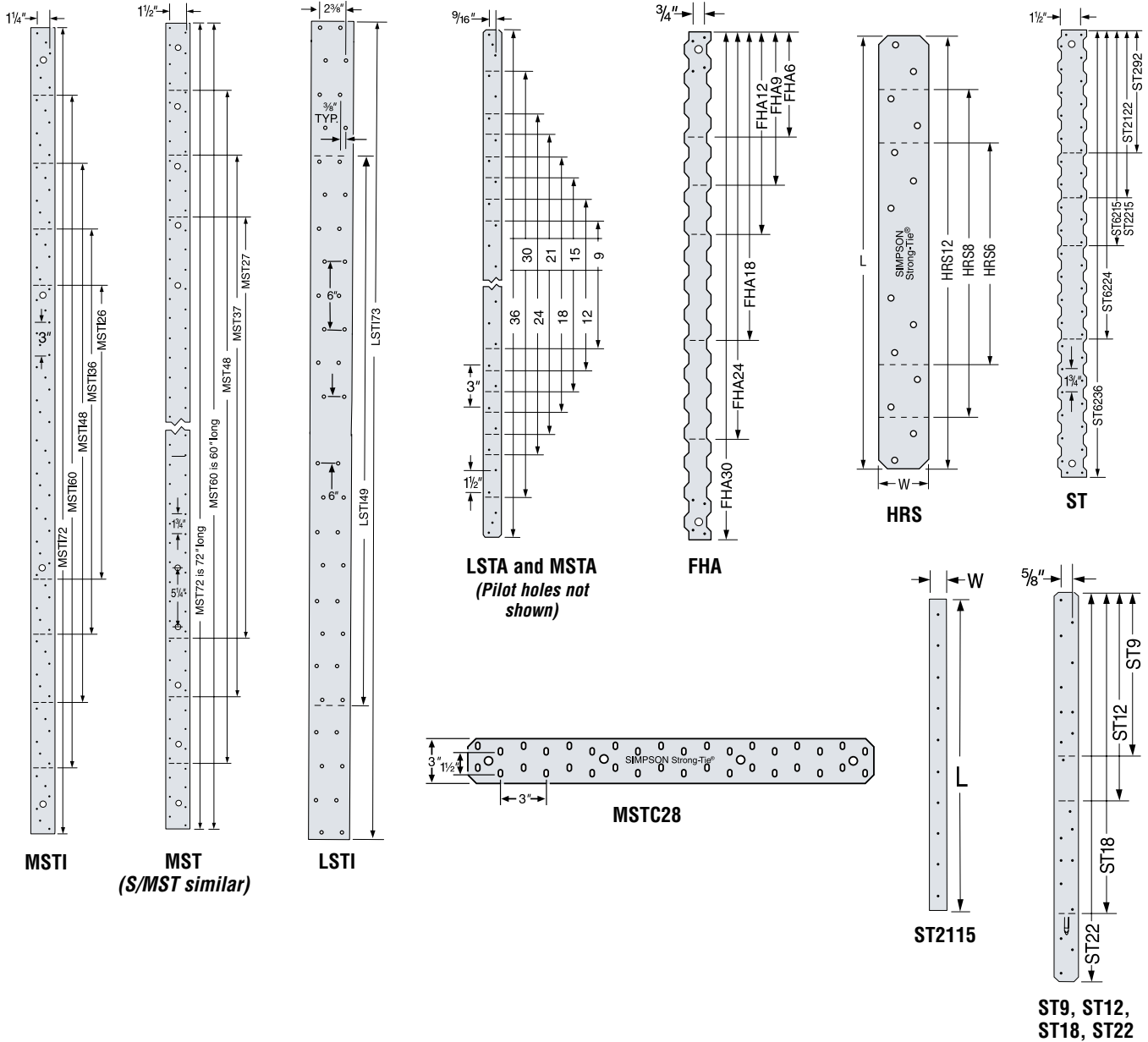
Refer to applicable code for minimum edge and end distances.

FINISH: PS—hot-dip galvanized (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.

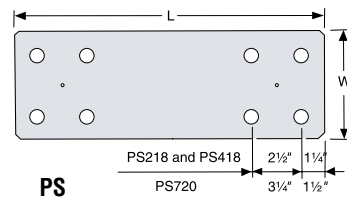


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Straps & Ties

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



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Available with additional corrosion protection. Check with Simpson Strong-Tie.

CODES: See page 8 for Code Listing Key Chart.

Model No.	Connector Material Thick. mil (ga)	Dimensions		Fasteners (Total)			Allowable ASD 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)						
LSTA9	33 (20 ga)	1¼	9	8- #10	8- #10	8- #10	705	1120	1190	FC1		
LSTA12		1¼	12	10- #10	10- #10	8- #10	885	1190	1190			
LSTA15		1¼	15	12- #10	12- #10	10- #10	1060	1190	1190			
LSTA18		1¼	18	14- #10	12- #10	10- #10	1190	1190	1190			
LSTA21		1¼	21	14- #10	12- #10	10- #10	1190	1190	1190			
LSTA24		1¼	24	14- #10	12- #10	10- #10	1190	1190	1190			
ST292	33 (20 ga)	2½	9½	12- #10	10- #10	10- #10	1060	1240	1240	ILC1, LC1, FC1		
ST2122		2½	12½	16- #10	12- #10	10- #10	1415	1502	1502			
ST2115		¾	16½	8- #10	6- #10	4- #10	630	630	630			
ST2215	43 (18 ga)	2½	16½	20- #10	14- #10	10- #10	1765	1825	1825	FC1		
LSTA30		1¼	30	18- #10	12- #10	10- #10	1555	1555	1555			
LSTA36		1¼	36	18- #10	16- #10	14- #10	1555	1555	1555			
LSTI49		3¾	49	32- #10	32- #10	20- #10	2830	4050	4050			
LSTI73		3¾	73	46- #10	32- #10	20- #10	4050	4050	4050			
MSTA9		1¼	9	8- #10	8- #10	8- #10	705	1050	1555			
MSTA12		1¼	12	10- #10	10- #10	8- #10	885	1315	1555			
MSTA15		1¼	15	12- #10	12- #10	10- #10	1060	1555	1555			
MSTA18		1¼	18	14- #10	12- #10	10- #10	1235	1555	1555			
MSTA21		1¼	21	16- #10	12- #10	10- #10	1415	1555	1555			
MSTA24		1¼	24	18- #10	12- #10	10- #10	1555	1555	1555			
MSTA30		1¼	30	22- #10	16- #10	12- #10	1945	1950	1950			
MSTA36		1¼	36	24- #10	18- #10	16- #10	1950	1950	1950			
ST6215		54 (16 ga)	2½	16½	20- #10	16- #10	10- #10	1765	2025		2025	ILC1, LC1, FC1
ST6224			2½	23½	28- #10	20- #10	12- #10	2455	2455		2455	
ST9			1¼	9	8- #10	8- #10	8- #10	705	1050		1350	
ST12			1¼	11½	10- #10	10- #10	8- #10	885	1315		1350	
ST18			1¼	17¾	14- #10	12- #10	12- #10	1235	1350		1350	
ST22	1¼		21½	20- #10	20- #10	20- #10	1350	1350	1350			
MSTC28	3		28¼	36- #10	36- #10	30- #10	3180	4600	4600			
MSTC40	3		40¼	52- #10	46- #10	46- #10	4595	4600	4600			
MSTC52	3		52¼	54- #10	42- #10	42- #10	4600	4600	4600			
MSTC66	68 (14 ga)		3	65¾	66- #10	46- #10	30- #10	5795	5795	5795		
MSTC78			3	77¾	66- #10	46- #10	30- #10	5795	5795	5795		
ST6236			2½	33½	40- #10	30- #10	18- #10	3535	3760	3760		
HRS6	97 (12 ga)	1⅝	6	6- #10	6- #10	6- #10	530	790	1600	FC1		
HRS8		1⅝	8	10- #10	10- #10	10- #10	885	1315	2670			
HRS12		1⅝	12	14- #10	14- #10	12- #10	1235	1840	2710			
FHA6		1⅞	6⅝	8- #10	8- #10	8- #10	705	1050	2045			
FHA9		1⅞	9	8- #10	8- #10	8- #10	705	1050	2045			
FHA12		1⅞	11⅝	8- #10	8- #10	8- #10	705	1050	2045			
FHA18		1⅞	17¾	8- #10	8- #10	8- #10	705	1050	2045			
FHA24		1⅞	23⅞	8- #10	8- #10	8- #10	705	1050	2045			
FHA30		1⅞	30	8- #10	8- #10	8- #10	705	1050	2045			
MSTI26		2½	26	26- #10	26- #10	22- #10	2300	3420	5025			
MSTI36		2½	36	36- #10	36- #10	22- #10	3180	4735	5025			
MSTI48		2½	48	48- #10	40- #10	22- #10	4240	5025	5025			
MSTI60		2½	60	58- #10	40- #10	22- #10	5025	5025	5025			
S/MST27		2½	27	30- #10	30- #10	22- #10	2650	3945	5025			
S/MST37		2½	37	42- #10	40- #10	22- #10	3710	5025	5025			
S/MST48		2½	48	54- #10	40- #10	24- #10	4770	5155	5155			
S/MST60		118 (10 ga)	2½	60	68- #10	52- #10	30- #10	6010	6650		6650	ILC1, LC1, FC1
S/MST72			2½	72	76- #10	52- #10	30- #10	6650	6650		6650	

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. Not all fastener holes need to be filled as additional fastener holes are provided. Install fasteners symmetrically.