

TRUSS/RAFTER TO WOOD DOUBLE TOP PLATES

NEW These products are available with additional corrosion protection. Additional products on this page may also be available with this option, check with Simpson Strong-Tie for details.
SS These products are also available in stainless steel for premium corrosion resistance.

Model No.	Qty. Required	Fasteners		DF/SP Allowable Loads			SPF Allowable Loads		
		To Truss/Rafters	To Plates	Uplift (160)	Parallel to Plate (F ₁) (160)	Perp. to Plate (F ₂) (160)	Uplift (160)	Parallel to Plate (F ₁) (160)	Perp. to Plate (F ₂) (160)
H2.5T	1	5-8dx1½	5-8dx1½	425	135	145	425	135	145
H5	1	4-8dx1½	4-8dx1½	455	115	200	265	100	170
H5	1	4-8d	4-8d	465	115	200	265	100	170
H2.5A	1	5-8dx1½	5-8dx1½	480	110	110	480	110	110
H2.5T	1	5-8d	5-8d	545	135	145	545	135	145
H1	1	6-8dx1½	4-8d	585	485	165	400	415	140
H2.5A	1	5-8d	5-8d	600	110	110	535	110	110
HGA10KT	1	4-SDS ¼"x1½"	4-SDS ¼"x3"	695	1165	940	500	840	675
LTS12	1	6-10dx1½	6-10dx1½	720	75	125	620	75	125
H8	1	5-10dx1½	5-10dx1½	745	75	—	565	75	—
H10-2	1	6-10d	6-10d	760	455	395	655	390	340
H2.5T	2	10-8dx1½	10-8dx1½	850	270	290	850	270	290
H5	2	8-8dx1½	8-8dx1½	910	230	400	530	200	340
H5	2	8-8d	8-8d	930	230	400	530	200	340
H2.5A	2	10-8dx1½	10-8dx1½	960	220	220	960	220	220
H10	1	8-8dx1½	8-8dx1½	990	585	525	850	505	450
MTS12	1	7-10dx1½	7-10dx1½	1000	75 ⁵	125 ⁵	860	75 ⁵	125 ⁵
H2.5T	2	10-8d	10-8d	1090	270	290	1090	270	290
H1	2	12-8dx1½	8-8d	1170	970	330	800	830	280
H2.5A	2	10-8d	10-8d	1200	220	220	1070	220	220
H10A	1	9-10dx1½	9-10dx1½	1340 ²	590	285	1015	505	285
LTS12	2	12-10dx1½	12-10dx1½	1440	150	250	1240	150	250
HTS20	1	12-10dx1½	12-10dx1½	1450	75 ⁵	125 ⁵	1245	75 ⁵	125 ⁵
H14	1	12-8dx1½	13-8d	1465 ²	515	265	1050	480	245
H16S	1	2-10dx1½	10-10dx1½	1470	—	—	1265	—	—
H16	1	2-10dx1½	10-10dx1½	1470	—	—	1265	—	—

- For connections to single top plates, see page 19.
- Douglas Fir allowable uplift loads for H14 = 1350 lbs. (160) and H10A = 1140 lbs. (160).
- H16/H16-2 factory sloped to 5:12, but 3:12-7:12 roof slope is acceptable.
- Hurricane ties are shown installed on the outside of the wall for clarity and assume a minimum overhang of 3½" installation on the inside of the wall is acceptable (see *General Instructions for the Installer notes on page 16*). For uplift Continuous Load Path, connections in the same area (i.e. truss to plate connector and plate to stud connector) must be on same side of the wall.
- When installing MTS and HTS connectors, the following installation instructions are required for the lateral loads to apply. The first 7 nail holes after the bend area must be filled with 10dx1½ nails. This applies to straps on either side of bend area. All additional fasteners may be installed in any remaining strap holes.
- Refer to page 38 for installation details of two connectors on a single truss.
- Allowable loads in the F₁ direction are not intended to replace diaphragm boundary members or prevent cross grain bending of the truss or rafter members.
- For simultaneous loads in more than one direction, the connector must be evaluated as described in Note 7, page 8 under General Notes.

