



TSP stud plate ties connect single or double top plates or mud sill plates to wall studs. This ensures a continuous load path from the top plate through the wall stud to the sill plate. Optional diamond nail holes allow for various uplift capacities with Min and Max nailing configurations.

Features:

- Diamond nail holes for optional nailing when higher uplift is needed.
- Bent flange allows for a more consistent and easier installation.
- Min/Max nailing provide flexible installation options.

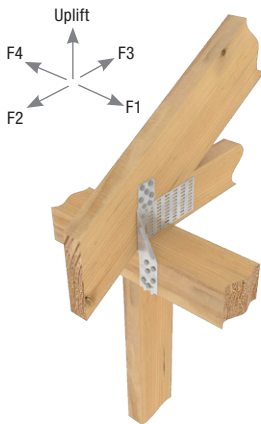
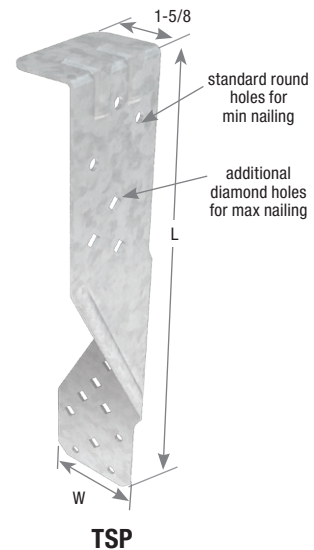
Materials: 16 gauge

Finish: G90 galvanizing

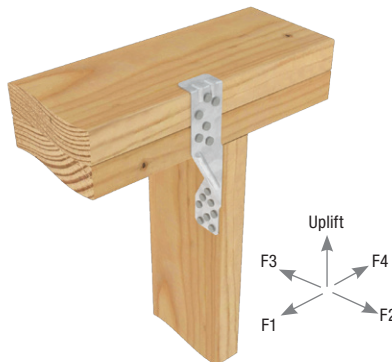
Options: TSP is available in Triple Zinc. To order, add TZ to stock number, as in TSP-TZ

Installation:

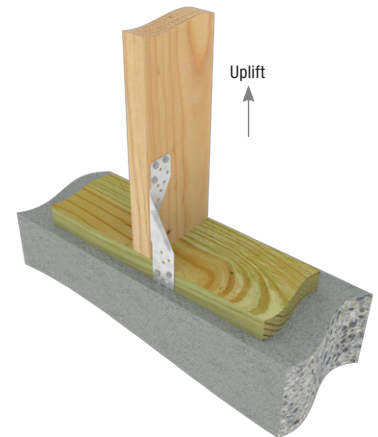
- Use all specified fasteners.
- Place bent portion over top plate or under sill plate.
- **Min Nailing** – Fill all round holes.
- **Max Nailing** – Fill all round and diamond holes.



Typical TSP truss / rafter installation (max nailing)



Typical TSP top plate installation (max nailing)



Typical TSP-TZ mudsill installation (min nailing)

MiTek Stock No.	Ref. No.	Steel Gauge	Dimensions (in)		Fastener Schedule ²				Unit	DF Factored Resistance ¹					SPF Factored Resistance ¹					
					Stud/Rafter		Plate			Uplift 115%	F1 115%	F2 115%	F3 115%	F4 115%	Uplift 115%	F1 115%	F2 115%	F3 115%	F4 115%	
			Min/Max	Qty	Type	Qty	Type													
TSP	TSP	16	1-5/8	7-7/8	Min	3	10d x 1-1/2	3	10d x 1-1/2	Lbs	740	--	--	--	--	675	--	--	--	--
										kN	3.29	--	--	--	--	3.00	--	--	--	--
					Max	9	10d x 1-1/2	6	10d x 1-1/2	Lbs	1300	565	295	315	365	1170	520	270	290	335
										kN	5.78	2.51	1.31	1.40	1.62	5.20	2.31	1.20	1.29	1.49
			6	10d	Lbs	1345	565	295	315	365	1235	520	270	290	335					
					kN	5.98	2.51	1.31	1.40	1.62	5.49	2.31	1.20	1.29	1.49					

1) Factored resistances have been increased 15% for short-term loads such as wind and earthquake; reduce for other load durations in accordance with the code.

2) **NAILS:** 10d x 1-1/2 nails are 0.148" dia. x 1-1/2" long, 10d nails are 0.148" dia. x 3" long.