No. of Truss Plies	Wood Species	F_c (psi)	Allowable Loads (Lbs.)[1,2,3]								
			SBP's Alone			SBP + Truss Bearing[4]					
			100%	115%	125%	100%	EBL	115%	EBL	125%	EBL
SBP4 on 2 x 4 Top Plate (3-1/2" wide)											
1-Ply	DF	625	2500	2805	2955	5780	6.17	6085	6.49	6235	6.65
	SP	565	2745	2955	2955	5710	6.74	5920	6.99	5920	6.99
	S-P-F	425	2200	2365	2365	4430	6.95	4595	7.21	4595	7.21
	Hem Fir	405	2245	2445	2445	4370	7.19	4570	7.52	4570	7.52
2-Ply	DF	625	2500	2805	2955	9065	4.83	9370	5.00	9520	5.08
	SP	565	2745	2955	2955	8680	5.12	8890	5.24	8890	5.24
	S-P-F	425	2200	2365	2365	6665	5.23	6830	5.36	6830	5.36
	Hem Fir	405	2245	2445	2445	6500	5.35	6700	5.51	6700	5.51
3-Ply	DF	625	2500	2805	2955	12345	4.39	12650	4.50	12800	4.55
	SP	565	2745	2955	2955	11645	4.58	11855	4.66	11855	4.66
	S-P-F	425	2200	2365	2365	8895	4.65	9060	4.74	9060	4.74
	Hem Fir	405	2245	2445	2445	8625	4.73	8825	4.84	8825	4.84
4-Ply	DF	625	2500	2805	2955	15625	4.17	15930	4.25	16080	4.29
	SP	565	2745	2955	2955	14610	4.31	14820	4.37	14820	4.37
	S-P-F	425	2200	2365	2365	11125	4.36	11290	4.43	11290	4.43
	Hem Fir	405	2245	2445	2445	10750	4.42	10950	4.51	10950	4.51
SBP6 on 2 x 6 Top Plate (5-1/2" wide)											
1-Ply	DF	625	3500	3930	4235	8655	9.23	9085	9.69	9390	10.02
	SP	565	3845	4295	4295	8505	10.04	8955	10.57	8955	10.57
	S-P-F	425	3080	3415	3415	6585	10.33	6920	10.85	6920	10.85
	Hem Fir	405	3140	3525	3535	6480	10.67	6865	11.30	6875	11.32
2-Ply	DF	625	3500	3930	4235	13815	7.37	14245	7.60	14550	7.76
	SP	565	3845	4295	4295	13170	7.77	13620	8.04	13620	8.04
	S-P-F	425	3080	3415	3415	10095	7.92	10430	8.18	10430	8.18
	Hem Fir	405	3140	3525	3535	9825	8.09	10210	8.40	10220	8.41
3-Ply	DF	625	3500	3930	4235	18970	6.74	19400	6.90	19705	7.01
	SP	565	3845	4295	4295	17830	7.01	18280	7.19	18280	7.19
	S-P-F	425	3080	3415	3415	13600	7.11	13935	7.29	13935	7.29
	Hem Fir	405	3140	3525	3535	13165	7.22	13550	7.43	13560	7.44
4-Ply	DF	625	3500	3930	4235	24125	6.43	24555	6.55	24860	6.63
	SP	565	3845	4295	4295	22490	6.63	22940	6.77	22940	6.77
	S-P-F	425	3080	3415	3415	17105	6.71	17440	6.84	17440	6.84
	Hem Fir	405	3140	3525	3535	16505	6.79	16890	6.95	16900	6.95

1) Allowable loads are for a pair of SBP devices. SBPs shall be installed in pairs.
2) Multiple ply trusses shall be fastened together to act as a single unit.
3) EBL denotes effective bearing length and includes the actual bearing length in inches plus the contribution of the SBP device.
4) Assumes full seating of truss on top plate.

MiTek Stock No.	Ref. No.	Steel Gauge	Dimensions (in)		Joist Thickness (in)	Fastener Schedule[1,6]					DF/SP Allowable Loads (Lbs.)[2,3]			S-P-F Allowable Loads (Lbs.)[2,3]			Code Ref.
						Plate			Truss								
			W	H		Top Qty	Sides Qty	Type	Qty	Type	Uplift[4] 160%	F1 160%	F2 160%	Uplift[4] 160%	F1 160%	F2 160%	
SBP4	TBE4	16	3-1/2	3-1/4	2-7/8 or less	4	8	10d	20	10d x 1-1/2	1205	1530	1625	820	1195	1335	IBC, FL, LA
					3 or more				20	10d							
SBP6	TBE6	16	5-1/2	3-1/4	2-7/8 or less	4	8	10d	28	10d x 1-1/2	1205	1530	1625	820	1195	1335	
					3 or more				28	10d							

1) Fastener Schedule is for a pair of SBP devices.
2) Allowable loads are for a pair of SBP devices. SBPs shall be installed in pairs.
3) Multiple ply trusses shall be fastened together to act as a single unit.
4) Uplift loads have been increased 60% for wind or seismic loads; no further increase shall be permitted.
5) Other connector models are not to be combined with SBP to resist the uplift force or lateral loads. For special considerations, consult MiTek Customer Service.
6) **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.