

VERSA-LAM® 2.0 3100 (115% Load Duration)

KEY TO TABLE	Top Figure - Allowable Total Load [plf]
	Middle Figure - Allowable Live Load [plf]
	Bottom Figures - Minimum Required Bearing Length at End / Intermediate Supports [inches]

Span [ft]	1½" VERSA-LAM® 2.0 3100				Double Ply 1½" VERSA-LAM® 2.0 3100 or 3½" VERSA-LAM 2.0 3100								Triple Ply 1½" VERSA-LAM® 2.0 3100 or 5½" VERSA-LAM 2.0 3100								Quadruple Ply 1½" VERSA-LAM® 2.0 3100 or 7" VERSA-LAM 2.0 3100					
	7¼"	9½"	11¾"	14"	7¼"	9½"	11¾"	14"	16"	18"	24"	9½"	11¾"	14"	16"	18"	20"	24"	11¾"	14"	16"	18"	20"	24"		
6	878	1223	1639	2065	1755	2446	3278	4130	5047	5232	5226	3669	4917	6195	7570	7848	7845	7838	6556	8260	10094	10463	10459	10451		
8	598	858	1126	1389	1197	1717	2252	2779	3321	3915	3913	2575	3379	4168	4981	5872	5876	5870	4505	5558	6642	7829	7834	7826		
10	326	637	857	1046	651	1274	1714	2092	2472	2880	3126	1912	2571	3138	3709	4320	4695	4688	3429	4184	4945	5759	6259	6251		
11	244	526	765	931	487	1052	1531	1861	2192	2543	2839	1577	2296	2792	3288	3814	4265	4259	3062	3723	4383	5085	5687	5679		
12	187	424	674	838	374	848	1347	1676	1968	2276	2601	1272	2021	2514	2952	3414	3903	3901	2694	3353	3936	4552	5203	5201		
13	146	332	573	762	292	665	1146	1524	1785	2060	2399	997	1719	2287	2678	3089	3522	3598	2292	3049	3571	4119	4696	4797		
14	116	265	493	674	233	530	987	1349	1634	1880	2226	796	1480	2023	2450	2821	3208	3338	1973	2697	3267	3761	4278	4451		
15	94	215	423	586	188	429	846	1173	1505	1730	2076	644	1268	1759	2258	2595	2946	3113	1691	2346	3011	3459	3928	4151		
16	77	176	347	515	153	352	695	1029	1327	1601	1944	528	1042	1544	1990	2402	2723	2917	1389	2058	2653	3202	3630	3889		
17	63	146	289	455	127	292	577	910	1173	1468	1829	438	866	1365	1760	2201	2531	2743	1154	1820	2346	2935	3374	3657		
18	53	122	242	399	106	244	484	799	1045	1307	1726	367	726	1198	1567	1961	2364	2588	968	1598	2089	2614	3151	3451		
19	42	95	186	305	85	191	372	610	910	1296	-	286	558	915	1366	1944	-	744	1420	1821	2593	-	-	-		
20	88	175	289	455	127	292	577	910	1173	1468	1829	438	866	1365	1760	2201	2531	2743	1154	1820	2346	2935	3374	3657		
22	65	130	216	347	106	244	484	799	1045	1307	1726	367	726	1198	1567	1961	2364	2588	968	1598	2089	2614	3151	3451		
24	49	101	164	257	75	176	350	579	843	1055	1551	263	525	868	1265	1583	1934	2326	699	1157	1686	2110	2579	3101		
26	38	76	128	202	58	120	202	306	441	616	879	146	296	493	744	1066	1334	1889	395	658	992	1422	1779	2518		
28	28	56	91	146	42	84	146	231	346	504	744	121	236	386	576	820	1125	-	314	515	768	1094	1500	-		
30	21	42	66	101	31	62	101	153	222	327	495	81	153	222	327	495	744	1066	1334	1889	395	658	992	1422	1779	

- Total Load values are limited by shear, moment or deflection equal to L/180. Total Load values are the capacity of the beam in addition to its own weight.
- Live Load values are limited by deflection equal to L/240. Check the local building code for other deflection limits that may apply.
- Where a Live Load value is not shown, the Total Load value will control.
- Table values represent the most restrictive of simple or multiple span applications. Span is measured center to center of the supports. Analyze multiple span beams with the BC CALC® software if the length of any span is less than half the length of an adjacent span.
- Table values assume that lateral support is provided at each support and continuously along the top edge and applicable compression edges of the beam.
- Table values for Minimum Required Bearing Lengths are based on the allowable compression design value perpendicular to grain for the beam and the Total Load value shown. Other design considerations, such as a weaker support material, may warrant longer bearing lengths. Table values assume that support is provided across the full width of the beam.
- For 2-ply, 3-ply or 4-ply beams; double, triple or quadruple Allowable Total Load and Allowable Live Load values. Minimum Required Bearing Lengths remain the same for any number of plies.
- 1½ inch members deeper than 14 inches are to be used as multiple-member beams only.
- This table was designed to apply to a broad range of applications. It may be possible to exceed the limitations of this table by analyzing a specific application with the BC CALC® software.