

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"	11½"	14"	7¼"	9½"	11½"	14"	16"	18"	24"	9½"	11½"	14"	16"	18"	20"	24"	11½"	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
	2/5	2.8/7	3.8/9.4	4.7/11.8	2/5	2.8/7	3.8/9.4	4.7/11.8	5.8/14.5	6/15	6/15	2.8/7	3.8/9.4	4.7/11.8	5.8/14.5	6/15	6/15	6/15	3.8/9.4	4.7/11.8	5.8/14.5	6/15	6/15	6/15
8	598	858	1126	1389	1197	1711	2252	2779	3321	3915	3913	2575	3379	4168	4981	5872	5876	5870	4505	5558	6642	7829	7834	7826
	482	-	-	-	965	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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
	247	556	-	-	494	1111	-	-	-	-	-	1667	-	-	-	-	-	-	-	-	-	-	-	-
11	244	526	765	931	487	1051	1531	1861	2192	2543	2839	1577	2296	2792	3288	3814	4265	4259	3062	3723	4383	5085	5687	5679
	186	418	-	-	371	835	-	-	-	-	-	1253	-	-	-	-	-	-	-	-	-	-	-	-
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
	143	322	628	-	286	643	1256	-	-	-	-	965	1884	-	-	-	-	-	2512	-	-	-	-	-
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
	112	253	494	-	225	506	988	-	-	-	-	759	1482	-	-	-	-	-	1976	-	-	-	-	-
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
	90	203	396	648	180	405	791	1296	-	-	-	608	1187	1944	-	-	-	-	1582	2593	-	-	-	-
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
	73	165	322	527	146	329	643	1054	-	-	-	494	965	1581	-	-	-	-	1286	2108	-	-	-	-
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
	60	136	265	434	121	271	530	868	1296	-	-	407	795	1303	1944	-	-	-	1060	1737	2593	-	-	-
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
	50	113	221	362	101	226	442	724	1081	-	-	339	663	1086	1621	-	-	-	884	1448	2161	-	-	-
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
	42	95	186	305	85	191	372	610	910	1296	-	286	558	915	1366	1944	-	-	-	744	1220	1821	2593	-
19	103	205	339	89	206	410	677	936	1171	1634	310	615	1016	1404	1757	2147	2450	820	1354	1872	2342	2862	3267	
	81	158	259	72	162	316	519	774	1102	-	-	243	475	778	1161	1653	-	-	633	1037	1548	2204	-	-
20	88	175	289	75	176	350	579	843	1055	1551	263	525	868	1265	1583	1934	2326	699	1157	1686	2110	2579	3101	
	69	136	222	62	139	271	445	664	945	-	-	208	407	667	996	1418	-	-	543	889	1327	1890	-	-
22	65	130	216	54	130	260	431	649	869	1407	194	390	647	973	1303	1593	2111	520	862	1297	1738	2124	2815	
	52	102	167	46	104	204	334	499	710	-	-	157	306	501	748	1065	1461	-	408	668	997	1420	1948	-
24	99	164	-	-	98	197	329	496	711	1259	146	296	493	744	1066	1334	1889	395	658	992	1422	1779	2518	
	79	129	-	-	80	157	257	384	547	-	-	121	236	386	576	820	1125	-	314	515	768	1094	1500	-
26	76	128	-	-	75	153	256	387	555	1069	112	229	383	580	833	1132	1604	305	511	773	1110	1510	2139	
	62	101	-	-	63	124	202	302	430	1020	95	185	304	453	645	885	1529	247	405	604	860	1180	2039	
28	60	101	-	-	58	120	202	306	441	919	87	180	303	459	661	914	1378	240	404	612	882	1219	1837	
	49	81	-	-	51	99	162	242	344	816	76	148	243	363	517	709	1224	198	324	484	689	945	1633	
30	81	-	-	-	95	161	246	355	797	68	143	242	369	533	738	1196	190	323	492	710	984	1594	-	
	66	-	-	-	80	132	197	280	664	62	121	198	295	420	576	996	161	263	393	560	768	1327	-	

- 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.