



## Versa-Lam® 2.0 3100 Column Table

### Allowable Axial Load [lb] – Larger Depth Columns

Length [ft]	3 : 2" x 9 1/2"			3 1/2" x 11 7/8"			5 1/4" x 9 1/2"			5 1/4" x 11 7/8"		
	100%	115%	125%	100%	115%	125%	100%	115%	125%	100%	115%	125%
6	30990	32750	33760	38660	40820	42070						
7	25590	26790	27460	31900	33350	34190						
8	21330	22160	22650	26580	27600	28180						
9	17970	18580	18930	22390	23130	23560						
10	15310	15770	16040	19080	19630	19940	41000	43040	44220			
11	13190	13540	13740	16410	16840	17070	36190	37790	38710			
12	11460	11730	11890	14270	14590	14750	32080	33360	34090	40060	41640	42550
13	10040	10260	10380	12500	12750	12880	28590	29620	30220	35690	36970	37710
14	8870	9040	9130	11020	11230	11330	25610	26450	26940	31970	33020	33620
15							23040	23750	24160	28770	29640	30140
16							20840	21430	21770	26010	26740	27160
17							18920	19420	19710	23610	24230	24590
18							17250	17670	17920	21530	22060	22350
19							15780	16150	16360	19700	20150	20410
20							14500	14810	14990	18090	18480	18700
21							13350	13630	13790	16660	17000	17190

Length [ft]	5 1/4" x 14"			7" x 9 1/2"			7" x 11 7/8"			7" x 14"		
	100%	115%	125%	100%	115%	125%	100%	115%	125%	100%	115%	125%
13	42020	43520	44380									
14	37630	38860	39560									
15	33870	34880	35470									
16	30620	31470	31950	42820	44530	45530						
17	27800	28510	28920	39260	40720	41560						
18	25340	25950	26290	36090	37350	38070	45080	46650	47540			
19	23180	23700	23990	33280	34360	34990	41560	42910	43690			
20	21290	21730	21980	30760	31710	32260	38420	39610	40270	45260	46640	47440
21				28510	29350	29820	35610	36640	37240	41950	43160	43850
22				26490	27220	27640	33080	34000	34510	38970	40040	40650
23				24670	25320	25690	30810	31620	32080	36290	37240	37770
24				23030	23600	23930	28760	29480	29880	33870	34714	35190

**Notes**

- Table assumes that column is braced at column ends only effective length = actual length
- Table based on one-piece column members only used in dry service conditions
- Table incorporates an eccentricity value of 0.167 of column width and depth (worst case).
- Allowable loads are based on axially loaded columns using the design provisions of the National Design Specifications for Wood Construction (NDS), 2001 edition. For side or other combined bending and axial loads, see provisions of NDS, 2001 edition and/or consult BOISE EWP Engineering.
- Allowable Design Values: Modulus of Elasticity ( $E$ ):  $2.0 \times 10^6$  psi; Flexural Stress ( $F_b$ ) = 3100 psi; Compression Parallel to Grain ( $F_{c,par}$ ) = 3000 psi, Compression Perp to Grain ( $F_{c,perp}$ ) = 750 psi.
- Load values are not shown for short lengths due to loads exceeding common connector capacities. Load values are not shown for longer lengths if the controlling slenderness ratio exceeds 50 (per NDS).
- Lateral loads (wind loading) are not considered in this table.