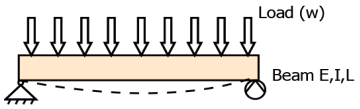
Freres LUMBER CO., INC.

12-Ply F16 MPL Span Tables

12.24 (in) actual thickness



Depth (in)	15.625				48 plf self weight					
Loads	**250**	**700**	**1150**	**1600**	**2050**	**2500**	**2950**	**3400**	**3850**	**4300**
L / 240 (ft)	38.1	27.0	22.9	20.5	18.9	17.7	16.7	16.0	15.3	14.8
L / 360 (ft)	33.3	23.6	20.0	17.9	16.5	15.5	14.6	13.9	13.4	12.9
L / 480 (ft)	30.2	21.5	18.2	16.3	15.0	14.0	13.3	12.7	12.2	11.7
Moment	49.1	29.4	22.9	19.4	17.2	15.5	14.3	13.3	12.5	11.8
Shear	260.1	92.9	56.5	40.6	31.7	26.0	22.0	19.1	16.9	15.1
Depth (in)	**23.625**				**72 plf self weight**					
Loads	**350**	**900**	**1450**	**2000**	**2550**	**3100**	**3650**	**4200**	**4750**	**5300**
L / 240 (ft)	51.5	37.6	32.1	28.8	26.6	24.9	23.6	22.5	21.6	20.8
L / 360 (ft)	45.0	32.8	28.0	25.2	23.2	21.7	20.6	19.7	18.9	18.2
L / 480 (ft)	40.9	29.8	25.5	22.9	21.1	19.8	18.7	17.9	17.1	16.5
Moment	60.7	37.8	29.8	25.4	22.5	20.4	18.8	17.5	16.5	15.6
Shear	280.9	109.2	67.8	49.2	38.6	31.7	26.9	23.4	20.7	18.6
Depth (in)	**47.5**				**145 plf self weight**					
Loads	**450**	**1100**	**1750**	**2400**	**3050**	**3700**	**4350**	**5000**	**5650**	**6300**
L / 240 (ft)	95.2	70.7	60.6	54.5	50.3	47.2	44.7	42.7	41.0	39.5
L / 360 (ft)	83.2	61.8	52.9	47.6	44.0	41.2	39.1	37.3	35.8	34.5
L / 480 (ft)	75.6	56.1	48.1	43.3	39.9	37.5	35.5	33.9	32.5	31.4
Moment	101.5	64.9	51.5	43.9	39.0	35.4	32.6	30.4	28.6	27.1
Shear	439.3	179.7	113.0	82.4	64.8	53.4	45.4	39.5	35.0	31.4

Beam Table Footnotes:

NDS adjustment factors applied are as follows: C_D = 1.0, C_t = 1.0, C_M = 1.0, $C_V = (\frac{12}{d})^{\frac{1}{6}}$, CL = 1.0

Design values, and volumetric adjustments were used in accordance with PR-L325

Displayed spans are limited to 4 times the qualified volume according to ASTM D5456

How to Use Table:

Calculate your controlling load combinations for each serviceability condition and strength performance.

For each load combination, find the corresponding linear load in the “Load” row.

Look down each column until encountering the row with the corresponding serviceability or strength check.

Compare each entry’s span in the table to find the minimum span, this is the controlling span.

Looking for more information? Contact us at frereslumber.com