MASS PLY BY FRERES

Load (w)
Beam E, I, L

BEAM SPAN TABLE - 3 PLY N DEPTH

DEPTH (IN)	7.75	6 PLF SELF WEIGHT								
LOADS (PLF)	150	300	450	600	750	900	1050	1200	1350	1500
L / 240 (FT)	14.1	11.2	9.8	8.9	8.3	7.8	7.4	7.1	6.8	6.6
L / 360 (FT)	12.3	9.8	8.6	7.8	7.2	6.8	6.4	6.2	5.9	5.7
L / 480 (FT)	11.2	8.9	7.8	7.1	6.6	6.2	5.9	5.6	5.4	5.2
MOMENT	16.7	11.8	9.6	8.3	7.5	6.8	6.3	5.9	5.6	5.3
SHEAR	53.8	26.9	17.9	13.4	10.8	9.0	7.7	6.7	6.0	5.4
DEPTH (IN)	9.375	7 PLF SELF WEIGHT								
LOADS (PLF)	150	400	650	900	1150	1400	1650	1900	2150	2400
L / 240 (FT)	17.1	12.3	10.5	9.4	8.7	8.1	7.7	7.3	7.0	6.8
L / 360 (FT)	14.9	10.8	9.2	8.2	7.6	7.1	6.7	6.4	6.1	5.9
L / 480 (FT)	13.6	9.8	8.3	7.5	6.9	6.4	6.1	5.8	5.6	5.4
MOMENT	19.9	12.2	9.5	8.1	7.2	6.5	6.0	5.6	5.2	5.0
SHEAR	65.0	24.4	15.0	10.8	8.5	7.0	5.9	5.1	4.5	4.1
DEPTH (IN)	11.75	9 PLF SELF WEIGHT								
LOADS (PLF)	150	500	850	1200	1550	1900	2250	2600	2950	3300
L / 240 (FT)	21.4	14.3	12.0	10.7	9.8	9.2	8.7	8.3	7.9	7.6
L / 360 (FT)	18.7	12.5	10.5	9.3	8.6	8.0	7.6	7.2	6.9	6.7
L / 480 (FT)	17.0	11.4	9.5	8.5	7.8	7.3	6.9	6.6	6.3	6.1
MOMENT	24.4	13.4	10.3	8.6	7.6	6.9	6.3	5.9	5.5	5.2
SHEAR	81.5	24.4	14.4	10.2	7.9	6.4	5.4	4.7	4.1	3.7
DEPTH (IN)	15.625	12 PLF SELF WEIGHT								
LOADS (PLF)	150	500	850	1200	1550	1900	2250	2600	2950	3300
L / 240 (FT)	28.5	19.1	16.0	14.2	13.1	12.2	11.5	11.0	10.5	10.2
L / 360 (FT)	24.9	16.6	13.9	12.4	11.4	10.7	10.1	9.6	9.2	8.9
L / 480 (FT)	22.6	15.1	12.7	11.3	10.4	9.7	9.2	8.7	8.4	8.1
MOMENT	31.7	17.4	13.3	11.2	9.9	8.9	8.2	7.6	7.2	6.8
SHEAR	108.4	32.5	19.1	13.5	10.5	8.6	7.2	6.3	5.5	4.9

BEAM TABLE FOOTNOTES

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

FOR MORE INFORMATION CONTACT US AT
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