



BEAM SPAN TABLE - 12 PLY N DEPTH

DEPTH (IN)	15.625	48 PLF SELF WEIGHT								
LOADS (PLF)	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 (PLF)	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 (PLF)	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: $C_D = 1.0$, $C_t = 1.0$, $C_M = 1.0$, $C_v = (\frac{12}{L})^{\frac{1}{4}}$, $C_L = 1.0$.
- ◆ 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.

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