



Depth (in)		21 plf self weight								
11.75	150	400	650	900	1150	1400	1650	1900	2150	2400
L / 240 (ft)	28.4	20.5	17.4	15.6	14.4	13.5	12.8	12.2	11.7	11.3
L / 360 (ft)	24.8	17.9	15.2	13.6	12.6	11.8	11.1	10.6	10.2	9.8
L / 480 (ft)	22.5	16.2	13.8	12.4	11.4	10.7	10.1	9.7	9.3	8.9
Moment	37.3	22.8	17.9	15.2	13.5	12.2	11.2	10.5	9.8	9.3
Shear	189.6	71.1	43.8	31.6	24.7	20.3	17.2	15.0	13.2	11.9
Depth (in)		28 plf self weight								
15.625	150	600	1050	1500	1950	2400	2850	3300	3750	4200
L / 240 (ft)	37.7	23.8	19.7	17.5	16.0	15.0	14.1	13.5	12.9	12.4
L / 360 (ft)	32.9	20.8	17.2	15.3	14.0	13.1	12.3	11.8	11.3	10.9
L / 480 (ft)	29.9	18.9	15.6	13.9	12.7	11.9	11.2	10.7	10.2	9.9
Moment	48.4	24.2	18.3	15.3	13.4	12.1	11.1	10.3	9.7	9.1
Shear	252.2	63.0	36.0	25.2	19.4	15.8	13.3	11.5	10.1	9.0
Depth (in)		42 plf self weight								
23.625	250	800	1350	1900	2450	3000	3550	4100	4650	5200
L / 240 (ft)	48.1	32.6	27.4	24.5	22.5	21.0	19.9	18.9	18.2	17.5
L / 360 (ft)	42.0	28.5	23.9	21.4	19.6	18.4	17.4	16.5	15.9	15.3
L / 480 (ft)	38.2	25.9	21.8	19.4	17.8	16.7	15.8	15.0	14.4	13.9
Moment	54.7	30.6	23.6	19.9	17.5	15.8	14.5	13.5	12.7	12.0
Shear	228.8	71.5	42.4	30.1	23.3	19.1	16.1	13.9	12.3	11.0
Depth (in)		86 plf self weight								
47.5	350	1000	1650	2300	2950	3600	4250	4900	5550	6200
L / 240 (ft)	86.4	60.9	51.6	46.2	42.5	39.7	37.6	35.9	34.4	33.2
L / 360 (ft)	75.5	53.2	45.0	40.3	37.1	34.7	32.9	31.3	30.1	29.0
L / 480 (ft)	68.6	48.4	40.9	36.6	33.7	31.5	29.9	28.5	27.3	26.3
Moment	87.8	51.9	40.4	34.2	30.2	27.4	25.2	23.5	22.0	20.9
Shear	328.5	115.0	69.7	50.0	39.0	31.9	27.1	23.5	20.7	18.5

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.

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