



Depth (in)		12 plf self weight									
9.375	Loads (plf)	150	300	450	600	750	900	1050	1200	1350	1500
	L / 240 (ft)	20.2	16.0	14.0	12.7	11.8	11.1	10.6	10.1	9.7	9.4
	L / 360 (ft)	17.7	14.0	12.2	11.1	10.3	9.7	9.2	8.8	8.5	8.2
	L / 480 (ft)	16.0	12.7	11.1	10.1	9.4	8.8	8.4	8.0	7.7	7.4
	Moment	25.6	18.1	14.8	12.8	11.4	10.4	9.7	9.0	8.5	8.1
	Shear	108.0	54.0	36.0	27.0	21.6	18.0	15.4	13.5	12.0	10.8
Depth (in)		15 plf self weight									
11.75	Loads (plf)	150	400	650	900	1150	1400	1650	1900	2150	2400
	L / 240 (ft)	25.3	18.3	15.5	13.9	12.9	12.0	11.4	10.9	10.4	10.1
	L / 360 (ft)	22.1	16.0	13.6	12.2	11.2	10.5	10.0	9.5	9.1	8.8
	L / 480 (ft)	20.1	14.5	12.3	11.1	10.2	9.6	9.0	8.6	8.3	8.0
	Moment	31.5	19.3	15.1	12.8	11.4	10.3	9.5	8.8	8.3	7.9
	Shear	135.3	50.7	31.2	22.5	17.6	14.5	12.3	10.7	9.4	8.5
Depth (in)		20 plf self weight									
15.625	Loads (plf)	150	500	850	1200	1550	1900	2250	2600	2950	3300
	L / 240 (ft)	33.7	22.6	18.9	16.9	15.5	14.5	13.7	13.0	12.5	12.0
	L / 360 (ft)	29.4	19.7	16.5	14.7	13.5	12.6	11.9	11.4	10.9	10.5
	L / 480 (ft)	26.7	17.9	15.0	13.4	12.3	11.5	10.8	10.3	9.9	9.5
	Moment	40.9	22.4	17.2	14.4	12.7	11.5	10.6	9.8	9.2	8.7
	Shear	179.9	54.0	31.8	22.5	17.4	14.2	12.0	10.4	9.1	8.2
Depth (in)		30 plf self weight									
23.625	Loads (plf)	150	600	1050	1500	1950	2400	2850	3300	3750	4200
	L / 240 (ft)	51.0	32.1	26.6	23.7	21.7	20.2	19.1	18.2	17.4	16.8
	L / 360 (ft)	44.5	28.0	23.3	20.7	18.9	17.7	16.7	15.9	15.2	14.7
	L / 480 (ft)	40.4	25.5	21.1	18.8	17.2	16.1	15.2	14.4	13.8	13.3
	Moment	59.7	29.9	22.6	18.9	16.6	14.9	13.7	12.7	11.9	11.3
	Shear	272.0	68.0	38.9	27.2	20.9	17.0	14.3	12.4	10.9	9.7

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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