



Finishes You've Never Seen Before®

PBR/R-PANEL

UPLIFT LOAD CHART

UPLIFT - TOTAL ALLOWABLE LOAD IN PSF (SPAN IN FEET)

Gauge	Span Type	Load Type	3	3.5	4	4.5	5	6	7	8	9	10
29 (Fy=80ksi)	Single Span	Stress	85.6	62.9	48.2	38.1	30.8	21.4	15.7	12.0	9.5	7.7
		Deflection	68.1	42.9	28.7	20.2	14.7	8.5	5.4	3.6	2.5	1.8
	2 Spans	Stress	58.5	43.0	32.9	26.0	21.1	14.6	10.7	8.2	6.5	5.3
		Deflection	174	109.6	73.4	51.6	37.6	21.8	13.7	9.2	6.4	4.7
	3 Spans or More	Stress	68.2	50.1	38.4	30.3	24.6	17.1	12.5	9.6	7.6	6.1
		Deflection	144.7	91.1	61.1	42.9	31.3	18.1	11.4	7.6	5.4	3.9

26 (Fy=80ksi)	Single Span	Stress	120.4	88.5	67.7	53.5	43.3	30.1	22.1	16.9	13.4	10.8
		Deflection	100.9	63.5	42.6	29.9	21.8	12.6	7.9	5.3	3.7	2.7
	2 Spans	Stress	95.8	70.4	53.9	42.6	34.5	23.9	17.6	13.5	10.6	8.6
		Deflection	288.2	181.5	121.6	85.4	62.3	36.0	22.7	15.2	10.7	7.8
	3 Spans or More	Stress	111.8	82.1	62.9	49.7	40.2	27.9	20.5	15.7	12.4	10.1
		Deflection	239.7	151.0	101.1	71.0	51.8	30.0	18.9	12.6	8.9	6.5

24 (Fy=50ksi)	Single Span	Stress	120.4	88.5	67.7	53.5	43.3	30.1	22.1	16.9	13.4	10.8
		Deflection	100.9	63.5	42.6	29.9	21.8	12.6	7.9	5.3	3.7	2.7
	2 Spans	Stress	123.8	91.0	69.7	55.0	44.6	31.0	22.7	17.4	13.8	11.1
		Deflection	412.4	259.7	174.0	122.2	89.1	51.6	32.5	21.7	15.3	11.1
	3 Spans or More	Stress	144.5	106.2	81.3	64.2	52.0	36.1	26.5	20.3	16.1	13.0
		Deflection	343.0	216.0	144.7	101.6	74.1	42.9	27.0	18.1	12.7	9.3

22 (Fy=50ksi)	Single Span	Stress	168.0	123.4	94.5	74.7	60.5	42.0	30.9	23.6	18.7	15.1
		Deflection	187.8	118.2	79.2	55.6	40.6	23.5	14.8	9.9	7.0	5.1
	2 Spans	Stress	174.9	128.5	98.4	77.7	63.0	43.7	32.1	24.6	19.4	15.7
		Deflection	571.9	360.1	241.3	169.4	123.5	71.5	45.0	30.2	21.2	15.4
	3 Spans or More	Stress	204.1	150.0	114.8	90.7	73.5	51.0	37.5	28.7	22.7	18.4
		Deflection	475.6	299.5	200.6	140.9	102.7	59.4	37.4	25.1	17.6	12.8

Section Properties			Top In Compression			Bott. In Compression		
Gauge	fy	wt	ix	sx	ma	ix	sx	ma
	(ksi)	(psf)	(in ⁴ /ft)	(in ³ /ft)	(kip-in)	(in ⁴ /ft)	(in ³ /ft)	(kip-in)
26	80	0.88	0.0376	0.0379	1.2928	0.0317	0.0452	1.6256
24	50	1.12	0.0538	0.0558	1.6717	0.0317	0.0452	1.6256
22	50	1.42	0.0746	0.0789	2.3612	0.0590	0.0758	2.2680
Max Deflection:		180						

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