



Finishes You've Never Seen Before®

AG PANEL

GRAVITY LOAD CHART

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

Gauge	Span Type	Load Type	1.5	2	2.5	3	3.5	4	5	6	7	8
29 (Fy=80ksi)	Single Span	Stress	167.9	94.4	60.4	42.0	30.8	23.6	15.1	10.5	7.7	5.9
		Deflection	241.9	102.0	52.2	30.2	19.0	12.8	6.5	3.8	2.4	1.6
	2 Spans	Stress	118.3	66.5	42.6	29.6	21.7	16.6	10.6	7.4	5.4	4.2
		Deflection	349.6	147.5	75.5	43.7	27.5	18.4	9.4	5.5	3.4	2.3
	3 Spans or More	Stress	138.0	77.7	49.7	34.5	25.4	19.4	12.4	8.6	6.3	4.9
		Deflection	290.7	122.6	62.8	36.3	22.9	15.3	7.8	4.5	2.9	1.9

26 (Fy=80ksi)	Single Span	Stress	226.0	127.1	81.3	56.5	41.5	31.8	20.3	14.1	10.4	7.9
		Deflection	328.4	138.6	70.9	41.1	25.9	17.3	8.9	5.1	3.2	2.2
	2 Spans	Stress	194.7	109.5	70.1	48.7	35.8	27.4	17.5	12.2	8.9	6.8
		Deflection	484.5	204.4	104.7	60.6	38.1	25.5	13.1	7.6	4.8	3.2
	3 Spans or More	Stress	227.3	127.8	81.8	56.8	41.7	32.0	20.5	14.2	10.4	8.0
		Deflection	402.9	170.0	87.0	50.4	31.7	21.2	10.9	6.3	4.0	2.7

24 (Fy=50ksi)	Single Span	Stress	242.9	136.6	87.4	60.7	44.6	34.2	21.9	15.2	11.2	8.5
		Deflection	425.2	179.4	91.8	53.1	33.5	22.4	11.5	6.6	4.2	2.8
	2 Spans	Stress	216.1	121.5	77.8	54.0	39.7	30.4	19.4	13.5	9.9	7.6
		Deflection	699.1	295.0	151.0	87.4	55.0	36.9	18.9	10.9	6.9	4.6
	3 Spans or More	Stress	252.2	141.8	90.8	63.0	46.3	35.5	22.7	15.8	11.6	8.9
		Deflection	581.4	245.3	125.6	72.7	45.8	30.7	15.7	9.1	5.7	3.8

22 (Fy=50ksi)	Single Span	Stress	307.8	173.2	110.8	77.0	56.5	43.3	27.7	19.2	14.1	10.8
		Deflection	562.7	237.4	121.5	70.3	44.3	29.7	15.2	8.8	5.5	3.7
	2 Spans	Stress	278.8	156.9	100.4	69.7	51.2	39.2	25.1	17.4	12.8	9.8
		Deflection	969.0	408.8	209.3	121.1	76.3	51.1	26.2	15.1	9.5	6.4
	3 Spans or More	Stress	325.4	183.1	117.2	81.4	59.8	45.8	29.3	20.3	14.9	11.4
		Deflection	805.8	340.0	174.1	100.7	63.4	42.5	21.8	12.6	7.9	5.3

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)
29	80	0.57	0.0095	0.0158	0.5665	0.0057	0.0133	0.3992
26	80	0.77	0.0129	0.0212	0.7626	0.0079	0.0183	0.6572
24	50	0.99	0.0167	0.0274	0.8198	0.0114	0.0243	0.7292
22	50	1.26	0.0221	0.0347	1.0389	0.0158	0.0314	0.9411
Max Deflection:		180						

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