



7/8" CORRUGATED

GRAVITY LOAD CHART

GRAVITY - 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
26 (Fy=80ksi)	Single Span	Stress	141.8	104.2	79.7	63.0	51.0	35.4	26.0	19.9	15.8	12.8
		Deflection	79.6	50.1	33.6	23.6	17.2	9.9	6.3	4.2	2.9	2.1
	2 Spans	Stress	139.9	102.7	78.7	62.2	50.3	35.0	25.7	19.7	15.5	12.6
		Deflection	189.4	119.2	79.9	56.1	40.9	23.7	14.9	10.0	7.0	5.1
	3 Spans or More	Stress	163.2	119.9	91.8	72.5	58.8	40.8	30.0	23.0	18.1	14.7
		Deflection	157.5	99.2	66.4	46.7	34.0	19.7	12.4	8.3	5.8	4.3

24 (Fy=50ksi)	Single Span	Stress	185.7	136.5	104.5	82.5	66.9	46.4	34.1	26.1	20.6	16.7
		Deflection	103.1	64.9	43.5	30.6	22.3	12.9	8.1	5.4	3.8	2.8
	2 Spans	Stress	185.3	136.1	104.2	82.3	66.7	46.3	34.0	26.1	20.6	16.7
		Deflection	248.4	156.4	104.8	73.6	53.7	31.0	19.6	13.1	9.2	6.7
	3 Spans or More	Stress	216.2	158.8	121.6	96.1	77.8	54.1	39.7	30.4	24.0	19.5
		Deflection	206.6	130.1	87.1	61.2	44.6	25.8	16.3	10.9	7.7	5.6

22 (Fy=50ksi)	Single Span	Stress	235.0	172.6	132.2	104.4	84.6	58.7	43.2	33.0	26.1	21.1
		Deflection	134.3	84.6	56.7	39.8	29.0	16.8	10.6	7.1	5.0	3.6
	2 Spans	Stress	235.0	172.6	132.2	104.4	84.6	58.7	43.2	33.0	26.1	21.1
		Deflection	323.5	203.7	136.5	95.9	69.9	40.4	25.5	17.1	12.0	8.7
	3 Spans or More	Stress	274.2	201.5	154.3	121.9	98.7	68.6	50.4	38.6	30.5	24.7
		Deflection	269.0	169.4	113.5	79.7	58.1	33.6	21.2	14.2	10.0	7.3

20 (Fy=40ksi)	Single Span	Stress	189.8	139.4	106.8	84.3	68.3	47.4	34.9	26.7	21.1	17.1
		Deflection	154.7	97.4	65.3	45.8	33.4	19.3	12.2	8.2	5.7	4.2
	2 Spans	Stress	189.8	139.4	106.8	84.3	68.3	47.4	34.9	26.7	21.1	17.1
		Deflection	372.6	234.6	257.2	110.4	80.5	46.6	29.3	19.6	13.8	10.1
	3 Spans or More	Stress	221.5	162.7	124.6	98.4	79.7	55.4	40.7	31.1	24.6	19.9
		Deflection	309.8	195.1	130.7	91.8	66.9	38.7	24.4	16.3	11.5	8.4

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	0.92	0.0250	0.0533	1.9139	0.0247	0.0526	1.8880
24	50	1.17	0.0324	0.0704	2.5074	0.0324	0.0696	2.5009
22	50	1.49	0.0422	0.0891	3.1722	0.0422	0.0883	3.1722
20	40	1.75	0.0486	0.1079	2.5620	0.0486	0.1070	2.5620
Max Deflection:		180						

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