

Fracture Span Table

Allowable Loads (psf)



Panel Size	Aluminum						Stainless Steel						Weathering Steel					
	1/8"		3/16"		1/4"		1/8"		3/16"		1/4"		1/8"		3/16"		1/4"	
	Edge	Perimeter	Edge	Perimeter	Edge	Perimeter	Edge	Perimeter	Edge	Perimeter	Edge	Perimeter	Edge	Perimeter	Edge	Perimeter	Edge	Perimeter
30 x 48	51	58	164	185	*253	*350	142	162	*253	*350	*253	*350	146	166	*253	*350	*253	*350
30 x 60	47	50	159	164	*314	*362	131	140	*314	*362	*314	*362	134	144	*314	*362	*314	*362
30 x 72	47	49	156	160	*333	*343	131	137	*333	*343	*333	*343	134	141	*333	*343	*333	*343
30 x 84	47	48	153	157	*314	*375	131	134	*314	*375	*314	*375	134	138	*314	*375	*314	*375
30 x 96	47	48	150	153	*350	*378	131	134	*350	*378	*350	*378	134	138	*350	*378	*350	*378
30 x 108	47	48	150	151	*312	*360	131	134	*312	*360	*312	*360	134	138	*312	*360	*312	*360
30 x 120	47	47	147	150	*320	*364	131	131	*320	*364	*320	*364	134	134	*320	*364	*320	*364
48 x 48	10	21	32	70	74	162	28	58	89	196	*219	*378	28	60	92	201	*219	*378
48 x 60	10	14	32	45	74	105	28	39	89	126	*200	*328	28	39	92	129	*200	*328
48 x 72	10	12	32	39	74	90	28	33	89	109	*210	*314	28	34	92	112	*210	*314
48 x 84	10	11	32	36	74	84	28	30	89	100	*196	*287	28	31	92	103	*196	*287
48 x 96	10	11	32	34	74	80	28	30	89	95	*188	*268	28	31	92	98	*188	*268
48 x 108	9	10	30	32	72	77	25	28	84	89	*181	*253	25	28	86	92	*181	*253
48 x 120	8	9	29	30	72	74	22	25	81	84	*200	*265	22	25	83	86	*200	*265
60 x 60	6	12	19	38	57	114	16	33	53	106	159	190	16	34	54	109	164	192
60 x 72	6	12	18	36	50	77	16	33	50	100	140	177	16	34	51	103	144	180
60 x 84	6	11	18	30	49	65	16	30	50	84	137	169	16	31	51	86	141	172
60 x 96	6	10	18	27	47	51	16	28	50	75	131	142	16	28	51	77	135	147
60 x 108	6	9	17	23	45	49	16	25	47	64	126	137	16	25	49	66	129	141
60 x 120	6	7	16	18	45	49	16	19	44	50	126	137	16	20	46	51	129	141

NOTES

- ▶ Load values are limited by deflection equal to L/60. For other deflection limits, multiply the Live Load values by the appropriate factor.
- ▶ Fastener capacity is based on GeoMetal™ standard fastener type into 14ga steel substrate.
- ▶ Results are based on the standard GeoMetal™ fastener spacing of 8" on center.
- ▶ Deflection limits are based on the short panel dimension, and the panel orientations shown in the product documentation.
- ▶ Tabulated values apply to either fasteners applied to long sides of panels only (Edge) or full perimeter fasteners (Perimeter).
- ▶ Tabulated values marked with an *asterisk indicate load limited by fastener capacity.
- ▶ This table was designed to apply to "standard" GeoMetal™ installation methods. It may be possible to exceed the loads of this table by analyzing a specific application.
- ▶ This table is not intended to replace project-specific engineering calculations performed for your decorative metal project.
- ▶ Red values indicate pressure below 16 psf threshold.