

Array 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	55	59	183	193	*228	*316	152	169	*228	*316	*228	*316	157	175	*228	*316	*228	*316
30 x 60	49	53	172	184	*284	*328	138	143	*284	*328	*284	*328	143	148	*284	*328	*284	*328
30 x 72	49	49	170	177	*301	*310	147	147	*301	*310	*301	*310	152	152	*301	*310	*301	*310
30 x 84	47	47	166	172	*284	*339	146	146	*284	*339	*284	*339	151	151	*284	*339	*284	*339
30 x 96	46	46	162	168	*316	*342	142	144	*316	*342	*316	*342	146	149	*316	*342	*316	*342
30 x 108	46	46	158	164	*283	*325	141	142	*283	*325	*283	*325	146	147	*283	*325	*283	*325
30 x 120	46	46	155	161	*289	*329	140	141	*289	*329	*289	*329	144	146	*289	*329	*289	*329
48 x 48	12	27	39	84	89	191	33	70	108	232	*198	*342	34	72	112	240	*198	*342
48 x 60	12	19	38	58	93	142	33	53	106	162	*181	*296	34	54	109	166	*181	*296
48 x 72	12	15	40	49	95	118	33	42	112	137	*190	*284	34	43	115	141	*190	*284
48 x 84	12	14	37	44	90	100	33	39	103	123	*177	*259	34	40	106	126	*177	*259
48 x 96	12	14	37	42	91	98	33	39	103	117	*170	*243	34	40	106	120	*170	*243
48 x 108	12	13	38	41	92	96	33	36	106	114	*164	*228	34	37	109	117	*164	*228
48 x 120	12	13	35	39	88	97	33	36	98	109	*181	*240	34	37	100	112	*181	*240
60 x 60	7	14	20	47	90	142	19	39	63	135	140	190	19	40	62	141	144	197
60 x 72	7	10	20	37	52	83	19	28	62	99	143	229	19	29	66	106	149	238
60 x 84	6	9	20	30	49	71	16	25	61	81	135	189	16	26	62	86	141	194
60 x 96	6	8	20	29	48	67	19	21	60	77	148	190	19	22	71	83	152	195
60 x 108	6	7	19	22	47	63	19	20	55	60	137	179	19	20	59	62	141	184
60 x 120	6	7	19	21	45	57	19	20	53	57	128	165	19	20	57	61	131	169

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.