

8-Diamond Plank Load Table – 18-3/4” Width 10-Diamond Plank Load Table – 24” Width

PRODUCT SELECTION/DESIGN TABLES																										
MATERIAL GAUGE	CHANNE L DEPTH	WEIGH T LB./ LIN. FT.	CATALOG NUMBER	SPAN																						
				2'-0"	2'-6"	3'-0"	3'-6"	4'-0"	4'-6"	5'-0"	5'-6"	6'-0"	6'-6"	7'-0"	7'-6"	8'-0"										
STEEL 14 GA.	1-1/2	6.1	81514	U	337	217	151	112	86	69	56	47														
				D	.33	.27	.26	.29	.33	.38	.45	.55														
				C	263	211	178	153	135	121	110	101														
	2	6.3	82014	U	540	358	250	184	142	113	92	76	65	55	48	42										
				D	.48	.37	.34	.32	.34	.38	.43	.50	.58	.66	.77	.87										
				C	437	349	292	251	220	198	179	164	152	141	132	124										
	2-1/2	6.6	82514	U	540	411	286	211	162	129	105	87	74	63	55	48	43									
				D	.46	.39	.35	.28	.27	.28	.31	.35	.39	.44	.50	.57	.64									
				C	450	402	335	287	252	225	205	188	173	161	151	142	134									
	STEEL 12 GA.	1-1/2	8.5	81512	U	446	287	201	148	115	91	75	63	53	46	40										
					D	.27	.22	.22	.26	.32	.39	.47	.56	.67	.80	.92										
					C	359	280	235	203	179	161	146	135	125	117	110										
2		8.9	82012	U	710	456	318	235	181	144	117	98	83	71	62	54	48									
				D	.31	.25	.23	.25	.28	.31	.37	.44	.51	.60	.68	.79	.90									
				C	554	444	371	319	282	253	229	210	194	181	169	160	151									
2-1/2		9.2	82512	U	810	680	473	348	267	212	172	143	120	103	89	78	69									
				D	.33	.31	.27	.26	.27	.29	.32	.37	.42	.49	.55	.63	.72									
				C	800	683	553	475	416	371	334	307	282	262	244	229	216									
3		9.6	83012	U	810	810	598	440	337	267	217	180	152	130	112	98	87									
				D	.32	.35	.30	.27	.26	.28	.31	.34	.39	.43	.49	.56	.62									
				C	800	800	699	600	526	468	422	385	353	327	307	288	271									
ALUM. 10 GA. .100"	2	2.8	82010-A	U	457	332	231	170	130	103	83	69	58	49												
				D	.59	.51	.46	.47	.52	.57	.67	.78	.89	1.03												
				C	406	325	271	232	203	181	163	148	135	125												

PRODUCT SELECTION/DESIGN TABLES																									
MATERIAL GAUGE	CHANNE L DEPTH	WEIGH T LB./ LIN. FT.	CATALOG NUMBER	SPAN																					
				2'-0"	2'-6"	3'-0"	3'-6"	4'-0"	4'-6"	5'-0"	5'-6"	6'-0"	6'-6"	7'-0"	7'-6"	8'-0"									
STEEL 14 GA.	2	7.4	102014	U	300	300	228	168	128	102	82	68	57	49	42										
				D	.46	.48	.42	.38	.38	.41	.44	.49	.55	.62	.70										
				C	400	400	343	294	257	229	206	187	172	158	147										
	3	7.9	103014	U	300	300	300	264	202	160	130	107	90	77	66	58	51								
				D	.42	.43	.46	.44	.39	.36	.35	.36	.39	.44	.45	.49	.54								
				C	400	400	400	400	400	360	324	295	270	249	232	216	203								
STEEL 12 GA.	2	10.4	102012	U	475	416	289	212	162	128	104	86	72	62	53	46									
				D	.40	.39	.33	.31	.31	.34	.38	.44	.48	.56	.63	.71									
				C	650	520	434	372	325	289	260	237	217	200	186	174									
	3	11.1	103012	U	475	475	475	392	300	237	192	159	133	114	98	85	75								
				D	.38	.39	.42	.38	.36	.34	.35	.37	.39	.43	.47	.52	.58								
				C	900	900	800	686	600	534	480	437	400	369	343	320	300								

10-DIAMOND WALKWAY LOAD TABLE – 24” WIDTH																								
MATERIAL GAUGE	WEIGHT LB./FT.	CATALOG NUMBER	SPAN																					
			2'-0"	2'-6"	3'-0"	3'-6"	4'-0"	4'-6"	5'-0"	6'-0"	7'-0"	8'-0"	9'-0"	10'-0"	11'-0"	12'-0"								
STEEL 14 GA.	8.9	104514-U	U	300	300	300	300	300	263	213	148	109	83	66	53	43								
			D	.41	.41	.42	.45	.48	.47	.42	.40	.43	.47	.55	.64	.75								
			C	400	400	400	400	400	400	380	333	296	266	242										
			D	.32	.33	.33	.33	.34	.35	.36	.39	.42	.41	.42	.44	.47								
STEEL 12 GA.	12.5	104512-U	U	475	475	475	475	475	420	340	236	175	133	105	85	70	59							
			D	.37	.37	.38	.40	.43	.43	.39	.37	.39	.44	.51	.59	.69	.80							
			C	900	900	900	900	900	900	850	709	607	531	472	425	387	354							
			D	.34	.34	.35	.35	.36	.37	.34	.33	.35	.37	.40	.44									

8-DIAMOND STRUT LOADING			
MATERIAL GAUGE	TYPE LOADING	LOAD	DEFLECTION IN.
STEEL 14 GA.	U	540	.43
	Cs	422	.35
STEEL 12 GA.	U	810	.30
	Cs	633	.24
ALUM. 12 GA. .080"	U	308	.48
	Cs	241	.39
ALUM. 10 GA. .100"	U	457	.51
	Cs	357	.41

10-DIAMOND STRUT LOADING			
MATERIAL GAUGE	TYPE LOADING	LOAD	DEFLECTION IN.
STEEL 14 GA.	U	300	.49
	Cs	300	.40
STEEL 12 GA.	U	475	.45
	Cs	475	.36

