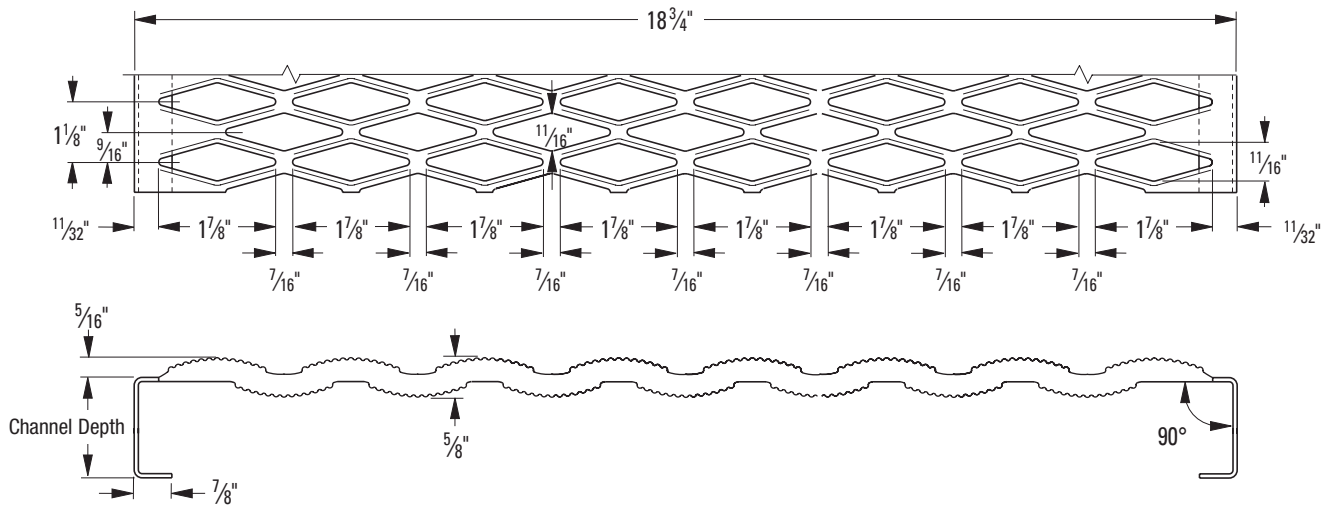




GRATING PACIFIC

GRIP STRUT® SAFETY GRATING LOAD TABLES 8-DIAMOND PLANK — 18-3/4" WIDTH



Grip Strut 8-Diamond Plank — 18-3/4" Width

Allowable loads and deflections: U=Uniform load (lb./ft.²) C= Concentrated load (lb.) D=Deflection (in.)
Spans to the left of heavy red line produce a deflection of 1/4" or less under a uniform load of 100 lb./ft.²

Material Gauge	Channel Depth in.	Weight lb./lin. ft.	Catalog Number	Load/Defl. Code	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					
				D	.16	.15	.15	.16	.17	.19	.22	.25					
	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	
				D	.24	.21	.20	.19	.20	.21	.23	.26	.29	.32	.36	.40	
	2-1/2"	6.6	82514	U	540	411	286	211	162	129	105	87	74	63	56	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
				D	.24	.22	.20	.19	.19	.19	.20	.21	.23	.24	.27	.29	.32
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		
				D	.12	.12	.12	.14	.16	.19	.22	.26	.30	.35	.40		
	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
				D	.17	.15	.14	.15	.16	.17	.19	.22	.25	.28	.32	.36	.40
	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	663	553	475	416	371	334	307	282	262	244	229	216
				D	.23	.20	.18	.18	.18	.18	.19	.21	.23	.25	.28	.31	.34
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	
			D	.22	.23	.22	.20	.20	.20	.20	.21	.22	.24	.26	.28	.31	

