

SURFACE PROFILE	WIDTH (mm)	PRIMARY MATERIAL	GAUGE/THICK	DEPTH (mm)	CARRIER PLATES	LOAD TYPE	CLEAR SPAN			
							24"	30"	36"	48"
2-DIAMOND	4-3/4" (120.7)	ALUMINUM	.0800"	2" (50.8)	CP-PG-220	U	1328	850	590	332
						C	526	420	350	263
			.1000"	2" (50.8)	CP-PG-220	U	1862	1191	827	465
						C	737	590	491	369
		CARBON & GALVANIZED STEEL	14	1-1/2" (38.1)	CP-PG-215	U	1191	764	532	--
					C	472	378	315	--	
			2" (50.8)	CP-PG-220	U	1978	1268	882	498	
				C	783	611	524	394		
12	1-1/2" (38.1)	CP-PG-215	U	1576	1011	703	--			
		C	624	500	418	--				
	2" (50.8)	CP-PG-220	U	2513	1611	1121	633			
		C	995	797	665	501				
3-DIAMOND	7" (177.8)	ALUMINUM	.0800"	2" (50.8)	CP-PG-320	U	862	551	383	215
						C	503	402	335	252
			.1000"	2" (50.8)	CP-PG-320	U	1208	773	537	302
						C	705	564	470	353
		CARBON & GALVANIZED STEEL	14	1-1/2" (38.1)	CP-PG-315	U	761	488	340	--
					C	443	356	300	--	
			2" (50.8)	CP-PG-320	U	1262	810	563	318	
				C	737	590	492	372		
		12	1-1/2" (38.1)	CP-PG-315	U	1006	645	450	318	
				C	587	470	393	372		
			2" (50.8)	CP-PG-320	U	1604	1029	716	404	
				C	936	750	626	472		
4-DIAMOND	9-1/2" (241.3)	ALUMINUM	.0800"	2" (50.8)	CP-PG-420	U	607	388	270	152
						C	481	392	327	245
			.1000"	2" (50.8)	CP-PG-420	U	867	555	385	216
						C	687	550	458	344
		CARBON & GALVANIZED STEEL	14	1-1/2" (38.1)	CP-PG-415	U	549	353	245	--
					C	435	349	300	--	
			2" (50.8)	CP-PG-420	U	911	584	407	230	
				C	604	578	483	364		
		12	1-1/2" (38.1)	CP-PG-415	U	750	481	335	--	
				C	595	476	398	--		
			2" (50.8)	CP-PG-420	U	1158	742	517	292	
				C	917	734	614	463		
		STAINLESS STEEL TYPE 304	16	2" (50.8)	CP-PG-420	U	610	390	271	152
						C	483	387	323	244
STAINLESS STEEL TYPE 316L	16	2" (50.8)	CP-PG-420	U	525	336	233	131		
				C	416	336	279	210		
5-DIAMOND	11-3/4" (298.5)	ALUMINUM	.0800"	2" (50.8)	CP-PG-520	U	396	253	176	99
						C	388	388	321	241
			.1000"	2" (50.8)	CP-PG-520	U	607	388	270	151
						C	595	540	450	338
		CARBON & GALVANIZED STEEL	14	1-1/2" (38.1)	CP-PG-515	U	434	278	194	--
					C	425	342	300	--	
			2" (50.8)	CP-PG-520	U	721	463	322	182	
				C	573	566	473	356		
		12	1-1/2" (38.1)	CP-PG-515	U	575	369	258	--	
				C	563	452	378	--		
			2" (50.8)	CP-PG-520	U	916	587	409	232	
				C	897	719	601	454		
		STAINLESS STEEL TYPE 304	16	2" (50.8)	CP-PG-520	U	394	252	175	98
						C	386	381	319	241
		STAINLESS STEEL TYPE 316L	16	2" (50.8)	CP-PG-520	U	338	216	150	84
						C	331	339	275	221

U - Uniform Load - Lbs. per Square Foot

C - Concentrated Load - Lbs. per Square Foot of Width at Mid Span

- Loading information in chart takes eccentric loads into consideration. Although load values include allowances for normal impact conditions and usual pedestrian traffic, provisions should be made in the structural design for special uses and loads involving unusual impact or vibratory forces. The load-carrying capacity of Stair Treads will increase as channel depth and material gauge/thickness increases.
- Technical information provided is theoretical and for evaluation by technically skilled persons, with any use thereof to be at their independent discretion and risk. **McNICHOLS** shall have no responsibility or liability for results obtained or damages resulting from improper evaluation or use of Plank Grating Stair Treads.

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