

GRS12: Grip-Strut Bridge Channel



Features:

- Serrated diamond pattern allows flexibility in attaching hardware
- 11-3/4" wide channels with 2" side rails

Construction:

- 12 gauge hot-dip galvanized steel

Related Products:

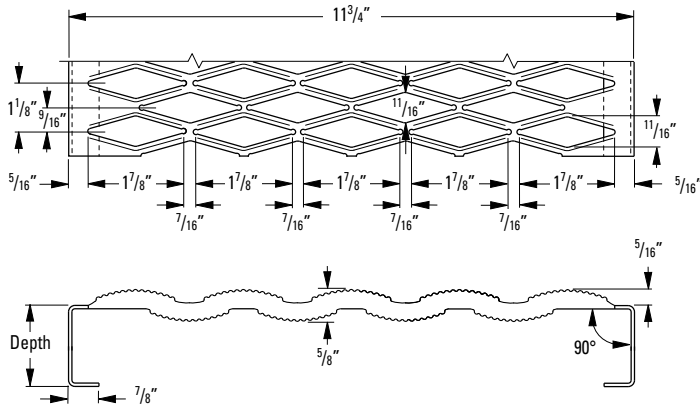
- GSR7, GRS24, and GRS24-10 Grip-Strut Bridge Channels; B501 Solid Bridge Channel

Part #	Size	Gauge	Depth
GRS12-10	11-3/4" x 10'	12	2"
GRS12	11-3/4" x 12'	12	2"

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Safe Loading Tables

5-Diamond Plank — 11³/₄" Width (available in stainless steel)



Product Selection/Design Tables

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. (mm)	Weight lb./lin. ft. (kg/m)	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"	9'-0"	10'-0"	11'-0"	12'-0"				
Steel 14 ga.	1 1/2" (38.1)	4.2 (6.25)	51514	U	536	344	240	177	136	108	88	74	62											
				D	.06	.10	.14	.20	.26	.33	.41	.50	.60											
				C	525	422	353	304	267	239	216	198	183											
	2"	4.4 (6.55)	52014	U	890	571	397	293	225	178	145	120	102	87	76	66	59	47						
				D	.06	.09	.13	.17	.23	.29	.36	.43	.52	.61	.71	.83	.95	1.21						
				C	707	699	584	502	440	393	355	324	299	277	259	243	230	207						
	2 1/2" (63.5)	4.7 (6.99)	52514	U	1021	655	456	336	258	204	166	138	116	100	86	76	67	54	44					
				D	.04	.06	.08	.11	.14	.18	.23	.28	.33	.39	.45	.52	.60	.77	.96					
				C	707	707	669	575	505	450	407	371	342	317	296	278	262	236	216					
	Steel 12 ga.	1 1/2" (38.1)	5.9 (8.78)	51512	U	710	456	318	235	181	144	117	98	83	71	62	55	49						
					D	.07	.11	.15	.21	.27	.35	.44	.53	.64	.76	.89	1.03	1.18						
					C	695	558	467	402	354	317	287	263	244	227	213	201	190						
2"		6.2 (9.23)	52012	U	1131	725	505	372	286	227	185	154	130	111	97	85	75	60	50	42				
				D	.05	.08	.11	.16	.20	.26	.32	.39	.47	.56	.65	.75	.86	1.11	1.39	1.70				
				C	1107	888	742	638	561	501	453	414	382	355	332	312	295	266	243	224				
2 1/2" (63.5)		6.6 (9.82)	52512	U	1691	1083	753	554	425	337	273	226	151	141	123	109	87	71	59	50				
				D	.04	.06	.09	.13	.17	.21	.26	.32	.38	.45	.52	.60	.68	.87	1.09	1.33	1.60			
				C	1115	1115	1106	950	833	742	669	610	561	519	484	453	426	382	347	319	295			
3"		7.0 (10.40)	53012	U	2138	1370	952	701	537	425	345	286	241	206	178	155	137	109	89	74	63			
				D	.04	.06	.08	.11	.14	.18	.22	.27	.32	.38	.44	.51	.58	.74	.93	1.13	1.36			
				C	1115	1115	1115	1115	1052	937	845	770	707	654	609	570	537	480	436	399	369			
Stainless 304 16 ga.	2"	3.7 (5.51)	52016-S	U	583	374	261	192	148	118	96	80	68	58	48									
				D	.05	.08	.11	.16	.20	.26	.32	.39	.47	.56	.64									
				C	464	458	323	330	290	259	235	215	199	185	165									
Stainless 316L 16 ga.	2"	3.7 (5.51)	52016-SL	U	406	324	225	165	126	100	81	66	56	47										
				D	.04	.06	.10	.13	.17	.22	.27	.32	.39	.45										
				C	398	397	330	283	248	220	198	180	165	152										