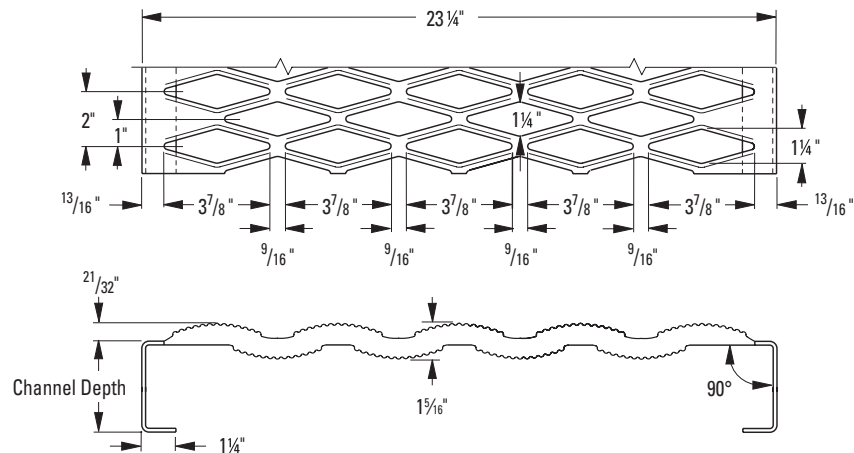


HEAVY DUTY GRIP STRUT® PLANK LOAD TABLES

5-DIAMOND — 23-1/4" WIDTH



Heavy Duty Grip Strut Plank 5-Diamond — 23-1/4" Width

Allowable loads and deflections: U=Uniform load (lb./ft.²) C= Concentrated load (lb.) D=Deflection (in.)

Material Gauge	Channel Depth in.	Weight lb./lin. ft.	Catalog Number	Load/Defl. Code	Span												
					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"
Steel* 11 ga.	2"	12.7	H-52011	U	413	304	232	184	149	123	104	88	76	66	58	46	38
				D	.08	.11	.14	.18	.22	.25	.29	.34	.39	.44	.50	.63	.76
				C	1240	1063	930	827	744	677	620	572	531	496	465	413	372
				D	.09	.12	.15	.19	.24	.28	.33	.38	.44	.49	.55	.68	.81
	2-1/2"	13.1	H-52511	U	626	460	352	278	225	186	157	134	115	100	88	70	57
				D	.07	.09	.12	.15	.17	.21	.24	.28	.31	.35	.39	.47	.55
				C	1880	1611	1410	1254	1128	1025	940	868	806	752	705	626	564
				D	.08	.11	.14	.18	.22	.25	.29	.34	.39	.44	.50	.63	.76
	3"	13.6	H-53011	U	687	504	387	305	247	204	170	146	125	110	96	76	60
				D	.08	.11	.15	.18	.22	.26	.30	.34	.39	.44	.48	.58	.68
				C	2000	1715	1500	1333	1180	1091	1000	923	857	800	750	667	600
				D	.07	.09	.12	.15	.17	.21	.24	.28	.31	.35	.39	.47	.55
	4"	14.4	H-54011	U	1129	828	635	502	406	334	280	240	207	181	158	125	101
				D	.07	.09	.12	.14	.17	.20	.23	.27	.31	.35	.39	.47	.56
				C	3280	2812	2460	2187	1968	1789	1640	1514	1406	1312	1230	1094	935
				D	.06	.07	.09	.11	.14	.16	.19	.22	.25	.28	.31	.38	.45
Steel 10 ga.	2"	14.4	H-52010	U	459	337	258	204	165	136	116	97	84	73	65	51	42
				D	.08	.11	.14	.18	.22	.25	.29	.34	.39	.44	.50	.63	.76
				C	1378	1181	1033	919	827	752	689	636	590	551	517	459	413
				D	.09	.12	.15	.19	.24	.28	.33	.38	.44	.49	.55	.68	.81
	2-1/2"	14.8	H-52510	U	718	528	404	319	259	214	180	153	132	115	101	81	65
				D	.10	.14	.18	.23	.27	.32	.36	.42	.49	.55	.62	.79	.96
				C	2089	1790	1567	1393	1253	1139	1044	964	895	836	783	696	627
				D	.08	.11	.14	.18	.22	.25	.29	.34	.39	.44	.50	.63	.76
	3"	15.4	H-53010	U	765	562	430	339	276	228	190	163	141	122	107	85	68
				D	.08	.11	.15	.18	.22	.26	.30	.34	.39	.44	.48	.58	.68
				C	2222	1905	1667	1481	1311	1212	1111	1026	952	889	833	741	667
				D	.07	.09	.11	.12	.17	.21	.24	.28	.31	.35	.39	.47	.55
	4"	16.4	H-54010	U	1254	921	706	557	452	373	312	268	231	201	177	139	113
				D	.07	.09	.12	.14	.17	.20	.23	.27	.31	.35	.39	.47	.56
				C	3644	3124	2733	2430	2187	1988	1822	1682	1562	1458	1367	1215	1039
				D	.05	.07	.09	.11	.14	.16	.19	.22	.25	.28	.31	.38	.45

*Available on special order.

HEAVY DUTY GRIP STRUT® PLANK LOAD TABLES

5-DIAMOND — 23-1/4" WIDTH

Heavy Duty Grip Strut Plank 5-Diamond — 23-1/4" Width

Allowable loads and deflections: U=Uniform load (lb./ft.²) C= Concentrated load (lb.) D=Deflection (in.)

Material Gauge	Channel Depth in.	Weight lb./lin. ft.	Catalog Number	Load/Defl. Code	Span												
					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"
Steel* 9 ga.	2"	16.1	H-52009	U	505	371	284	224	182	150	127	107	93	81	71	56	46
				D	.08	.11	.14	.18	.22	.25	.29	.34	.39	.44	.50	.63	.76
				C	1516	1299	1136	1011	910	827	758	700	649	606	569	505	454
				D	.09	.12	.15	.19	.24	.28	.33	.38	.44	.49	.55	.68	.81
	2-1/2"	16.7	H-52509	U	790	581	444	359	283	234	197	167	144	125	110	88	71
				D	.10	.14	.18	.23	.27	.32	.36	.42	.49	.55	.62	.79	.96
				C	2298	1969	1724	1532	1378	1253	1148	1060	985	920	861	766	690
				D	.08	.11	.14	.18	.22	.25	.29	.34	.39	.44	.50	.63	.76
	3"	17.2	H-53009	U	841	618	472	372	302	249	209	178	155	133	116	93	74
				D	.08	.11	.15	.18	.22	.26	.30	.34	.39	.44	.48	.58	.68
				C	2444	2096	1834	1629	1442	1333	1222	1129	1047	978	916	815	734
				D	.07	.09	.12	.15	.17	.21	.24	.28	.31	.35	.39	.47	.55
	4"	18.3	H-54009	U	1380	1013	775	613	497	410	344	294	252	221	194	153	124
				D	.07	.09	.12	.14	.17	.20	.23	.27	.31	.35	.39	.47	.56
				C	4008	3436	3006	2673	2406	2187	2004	1850	1718	1604	1504	1337	1143
				D	.06	.07	.09	.11	.14	.16	.19	.22	.25	.28	.31	.38	.45

*Available on special order.

Strut Concentrated - loads/deflection⁽²⁾

Plank Width	Thickness	Concentrated C _s (lb./ft.)	
		Serrated	Non-Serrated
23-1/4"	11 ga. Steel	823	939
	10 ga. Steel	941	1072
	9 ga. Steel	1059	1205
	Deflection (in.)	0.08	0.07

C_s = Allowable concentrated load per ft. of length at mid-width (lb./ft.)

(2) See "General Load information", in technical info., for explanation of design load deflection conditions.

Strut Uniform - loads/deflection⁽²⁾

Plank Width	Thickness	Concentrated U (lb./ft. ²)	
		Serrated	Non-Serrated
23-1/4"	11 ga. Steel	850	969
	10 ga. Steel	971	1106
	9 ga. Steel	1093	1244
	Deflection (in.)	0.10	0.09

U = Allowable Uniform Load (lb./ft.²)

(2) See "General Load information", in technical info., for explanation of design load deflection conditions.