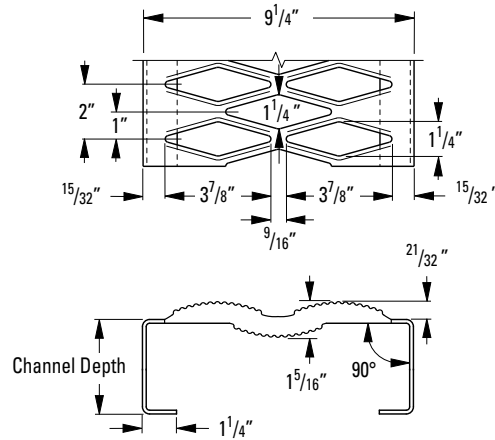


## Heavy Duty Grip-Strut® Plank - Safe Loading Tables 2 Diamond Plank – 9-1/4” Width – “H” Series



### Plank Selection & Design Loads/Deflections

Allowable Loads and Deflections: U=Uniform Load (lb./ft.<sup>2</sup>) C= Concentrated Load (lb.) D=Deflection (in.)

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 11 ga.	2" (38.1)	6.6 (9.8)	H-22011	U	2413	1544	1027	788	629	476	385	319	270	228	196	172	150	119	98	81	67
				D	.05	.08	.11	.15	.19	.24	.30	.35	.41	.47	.54	.62	.69	.85	1.04	1.24	1.45
				C	1860	1488	1240	1063	930	827	744	677	620	572	531	496	465	413	372	338	310
				D	.04	.06	.09	.12	.15	.19	.24	.28	.33	.38	.44	.49	.55	.68	.81	.98	1.16
	2 1/2" (63.5)	7.0 (10.4)	H-22511	U	3657	2340	1625	1194	914	722	585	483	406	347	298	259	228	182	147	122	102
				D	.05	.07	.10	.14	.18	.23	.27	.32	.36	.42	.49	.55	.62	.79	.96	1.15	1.35
				C	2820	2256	1880	1611	1410	1254	1128	1025	940	868	806	752	705	626	564	513	470
				D	.04	.06	.08	.11	.14	.18	.22	.25	.29	.34	.39	.44	.50	.63	.76	.91	1.08
	3" (76.2)	7.5 (11.1)	H-23011	U	3892	2490	1731	1272	974	767	623	515	431	368	319	276	242	193	154	130	109
				D	.04	.06	.08	.11	.15	.18	.22	.26	.30	.34	.39	.44	.48	.58	.68	.80	.95
				C	3000	2400	2000	1715	1500	1333	1180	1091	1000	923	857	800	750	667	600	545	500
				D	.03	.05	.07	.09	.12	.15	.17	.21	.24	.28	.31	.35	.39	.47	.55	.64	.76
4" (101.6)	8.3 (12.3)	H-24011	U	6382	4084	2837	2084	1598	1261	1022	844	707	606	522	455	400	315	256	211	176	
			D	.03	.05	.07	.09	.12	.14	.17	.20	.23	.27	.31	.35	.39	.47	.56	.66	.78	
			C	4920	3936	3280	2812	2460	2187	1968	1789	1640	1514	1406	1312	1230	1094	935	895	820	
			D	.03	.04	.06	.07	.09	.11	.14	.16	.19	.22	.25	.28	.31	.38	.45	.53	.63	
Steel 10 ga.	2" (50.8)	7.4 (11.0)	H-22010	U	2681	1716	1141	876	699	529	428	354	300	253	218	191	167	132	109	90	74
				D	.05	.08	.11	.15	.19	.24	.30	.35	.41	.47	.54	.62	.69	.85	1.04	1.24	1.45
				C	2067	1653	1378	1181	1033	919	827	752	689	636	590	551	517	459	413	376	344
				D	.04	.06	.09	.12	.15	.19	.24	.28	.33	.38	.44	.49	.55	.68	.81	.96	1.16
	2 1/2" (63.5)	7.9 (11.7)	H-22510	U	4063	2600	1806	1327	1016	802	650	537	451	385	331	288	253	202	163	136	113
				D	.05	.07	.10	.14	.18	.23	.27	.32	.36	.42	.49	.55	.62	.79	.96	1.15	1.35
				C	3133	2507	2089	1790	1567	1393	1253	1139	1044	964	895	836	783	696	627	570	522
				D	.04	.06	.08	.12	.14	.18	.22	.25	.29	.34	.39	.44	.50	.63	.76	.91	1.08
	3" (76.2)	8.4 (12.5)	H-23010	U	4324	2767	1923	1413	1082	852	692	572	479	409	354	307	269	214	171	144	121
				D	.04	.06	.08	.11	.15	.18	.22	.26	.30	.34	.39	.44	.48	.58	.68	.80	.95
				C	3333	2667	2222	1905	1667	1481	1311	1212	1111	1026	952	889	833	741	667	606	556
				D	.03	.05	.07	.09	.12	.15	.17	.21	.24	.28	.31	.35	.39	.47	.55	.64	.76
4" (101.6)	10.3 (15.3)	H-24010	U	7091	4538	3152	2316	1775	1401	1136	938	786	673	580	506	444	350	284	234	195	
			D	.03	.05	.07	.09	.12	.14	.17	.20	.23	.27	.31	.35	.39	.47	.56	.66	.78	
			C	5467	4373	3644	3124	2733	2430	2187	1988	1822	1682	1562	1458	1367	1215	1039	994	911	
			D	.03	.04	.06	.07	.09	.11	.14	.16	.19	.22	.25	.28	.31	.38	.45	.53	.63	

## Heavy Duty Grip-Strut® Plank - Safe Loading Tables 2 Diamond Plank – 9-1/4” Width – “H” Series cont.

### Plank Selection & Design Loads/Deflections

Allowable Loads and Deflections: U=Uniform Load (lb./ft.<sup>2</sup>) C= Concentrated Load (lb.) D=Deflection (in.)

Material Gauge	Channel Depth in. (mm)	Weight lb./in. 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 9 ga.	2" (38.1)	8.3 (12.3)	H-22009	U	2949	1888	1255	964	769	582	471	389	330	278	240	210	184	145	120	96	81
				D	.05	.08	.11	.15	.19	.24	.30	.35	.41	.47	.54	.62	.69	.85	1.04	1.24	1.45
				C	2274	1618	1516	1299	1136	1011	910	827	758	700	649	606	569	505	454	414	378
	2 1/2" (63.5)	8.8 (13.1)	H-22509	U	4469	2860	1987	1460	1118	882	715	591	496	424	364	317	278	222	179	150	124
				D	.05	.07	.10	.14	.18	.23	.27	.32	.36	.42	.49	.55	.62	.79	.96	1.15	1.35
				C	3446	2758	2298	1969	1724	1532	1378	1253	1148	1060	985	920	861	766	690	627	574
	3" (76.2)	9.3 (13.8)	H-23009	U	4756	3044	2115	1554	1190	937	761	629	527	450	389	338	296	235	188	158	133
				D	.04	.06	.08	.11	.15	.18	.22	.26	.30	.34	.39	.44	.48	.58	.68	.80	.95
				C	3666	2934	2444	2096	1834	1629	1442	1333	1222	1129	1047	978	916	815	734	667	612
	4" (101.6)	10.3 (15.3)	H-24009	U	7800	4992	3467	2548	1953	1541	1250	1032	865	740	638	557	488	385	312	257	215
				D	.03	.05	.07	.09	.12	.14	.17	.20	.23	.27	.31	.35	.39	.47	.56	.66	.78
				C	6014	4810	4008	3436	3006	2673	2406	2187	2004	1850	1718	1604	1504	1337	1143	1093	1002
				D	.03	.04	.06	.07	.09	.11	.14	.16	.19	.22	.25	.28	.31	.38	.45	.53	.63

### Strut Concentrated - Loads/Deflections<sup>(2)</sup>

Plank Width	Thickness	Concentrated C <sub>s</sub> (lb./ft.)	
		Serrated	Non-Serrated
9 1/4"	11 ga. Steel	1741	1985
	10 ga. Steel	2004	2283
	9 ga. Steel	2281	2594
	Deflection (in.)	0.01	0.01

C<sub>s</sub> = Allowable Concentrated Load per ft. of length at mid-width (lb./ft.)

(2) See "General Load information", page 4, for explanation of design load deflection conditions.

### Strut Uniform - Loads/Deflections<sup>(2)</sup>

Plank Width	Thickness	Concentrated U (lb./ft. <sup>2</sup> )	
		Serrated	Non-Serrated
9 1/4"	11 ga. Steel	4516	5153
	10 ga. Steel	5201	5925
	9 ga. Steel	5917	6731
	Deflection (in.)	0.01	0.01

U = Allowable Uniform Load (lb./ft.<sup>2</sup>)

(2) See "General Load information", page 4, for explanation of design load deflection conditions.