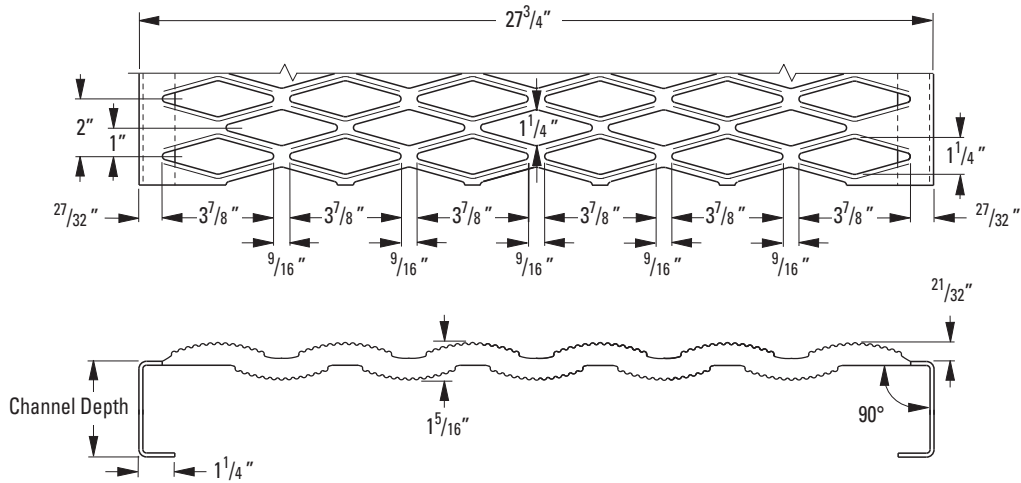


Heavy Duty GRIP STRUT™ Plank - Safe Loading Tables

6-Diamond Plank — 27³/₄" Width — "H" Series



Plank Selection & Design Loads/Deflections

Allowable Loads and Deflections: U=Uniform Load (lb./ft.) 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"	
				U	D	C	D	U	D	C	D	U	D	C	D	U	D	C	D	U	D
Steel 11 ga.	2" (38.1)	14.3 (21.3)	H-62011	U	830	530	368	271	206	163	132	108	93	78	67	59	51	40	34	27	22
				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)	14.7 (21.9)	H-62511	U	1258	805	559	410	313	247	201	166	139	119	102	88	78	61	49	42	35
				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)	15.2 (22.6)	H-63011	U	1338	855	594	436	335	264	214	176	147	126	108	95	83	66	52	44	36
				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)	16.0 (23.8)	H-64011	U	2234	1405	976	716	549	434	351	289	242	208	179	157	137	106	87	73	61
				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)	16.2 (24.1)	H-62010	U	923	590	410	301	230	182	147	122	103	87	75	66	58	46	37	31	25
				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	.98	1.16
	2 1/2" (63.5)	16.7 (24.8)	H-62510	U	1398	894	621	457	349	276	224	185	156	132	114	99	87	70	56	47	39
				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	.11	.14	.18	.22	.25	.29	.34	.39	.44	.50	.63	.76	.91	1.08
	3" (76.2)	17.2 (25.6)	H-63010	U	1488	952	662	486	372	293	239	197	164	141	122	106	93	74	59	49	42
				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)	18.2 (27.1)	H-64010	U	2440	1561	1055	797	611	482	391	323	270	232	200	174	153	120	98	80	67
				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

6-Diamond Plank – 27³/₄" Width – "H" Series cont.

Plank Selection & Design Loads/Deflections

Allowable Loads and Deflections: U=Uniform Load (lb./ft.²) 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 9 ga.	2" (38.1)	18.2 (27.1)	H-62009	U	1013	650	450	330	253	200	162	134	112	95	81	71	63	49	40	34	27
				D	.05	.08	.11	.15	.19	.24	.30	.35	.41	.47	.54	.62	.69	.85	1.04	1.24	1.45
				C	2274	1818	1516	1299	1136	1011	910	827	758	700	649	606	569	505	454	414	378
				D	.04	.06	.09	.12	.15	.19	.24	.28	.33	.38	.44	.49	.55	.68	.81	.98	1.16
				U	1537	983	683	502	384	303	245	202	170	144	125	108	95	76	61	51	42
				D	.05	.07	.10	.14	.18	.23	.27	.32	.36	.42	.49	.55	.62	.79	.96	1.15	1.35
	2 1/2" (63.5)	18.7 (27.8)	H-62509	C	3446	2758	2298	1969	1724	1532	1378	1253	1148	1060	985	920	861	766	690	627	574
				D	.04	.06	.08	.11	.14	.18	.22	.25	.29	.34	.39	.44	.50	.63	.76	.91	1.08
				U	1636	1047	727	534	408	322	261	215	181	154	134	115	100	80	64	54	46
				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
				D	.03	.05	.07	.09	.12	.15	.17	.21	.24	.28	.31	.35	.39	.47	.55	.64	.76
	3" (76.2)	19.3 (28.7)	H-63009	U	2684	1717	1194	876	671	530	430	355	298	254	218	191	168	132	107	88	74
				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	1505	1337	1143	1093	1002
				D	.03	.04	.06	.07	.09	.11	.14	.16	.19	.22	.25	.28	.31	.38	.45	.53	.63
				U	2684	1717	1194	876	671	530	430	355	298	254	218	191	168	132	107	88	74
				D	.03	.05	.07	.09	.12	.14	.17	.20	.23	.27	.31	.35	.39	.47	.56	.66	.78

Strut Concentrated - Loads/Deflections⁽²⁾

Plank Width	Thickness	Concentrated C _s (lb./ft.)	
		Serrated	Non-Serrated
23 1/4"	11 ga. Steel	690	793
	10 ga. Steel	788	906
	9 ga. Steel	887	1019
	Deflection (in.)	0.11	0.10

C_s = 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⁽²⁾

Plank Width	Thickness	Concentrated U (lb./ft.²)	
		Serrated	Non-Serrated
23 1/4"	11 ga. Steel	597	686
	10 ga. Steel	682	784
	9 ga. Steel	767	882
	Deflection (in.)	0.14	0.13

U = Allowable Uniform Load (lb./ft.²)

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