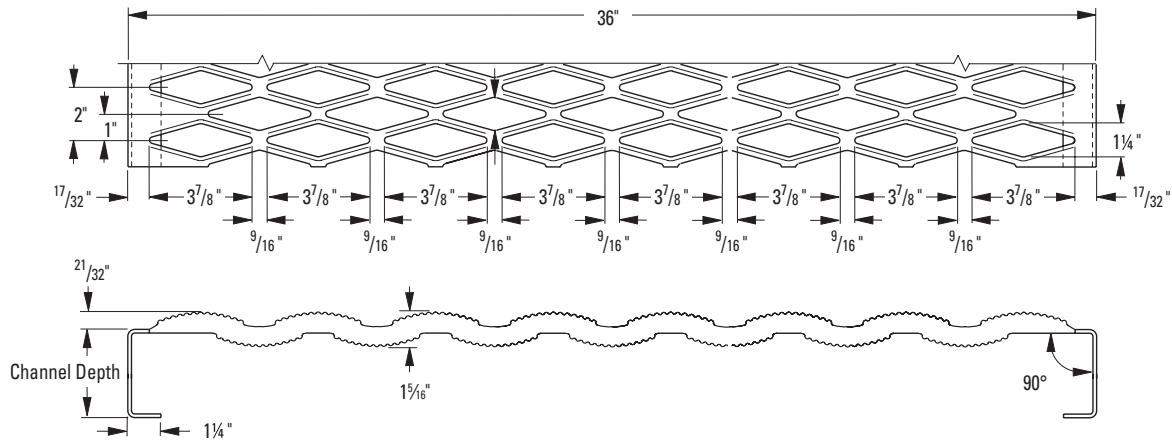


HEAVY DUTY GRIP STRUT® PLANK LOAD TABLES

8-DIAMOND — 36" WIDTH



Heavy Duty Grip Strut Plank 8-Diamond — 36" 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"	18.0	H-82011	U	275	203	155	122	99	82	69	59	50	44	39	31	25
				D	.11	.15	.19	.24	.30	.35	.41	.47	.54	.62	.69	.85	1.04
				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"	18.4	H-82511	U	418	307	235	185	150	124	104	89	77	67	59	47	38
				D	.10	.14	.18	.23	.27	.32	.36	.42	.49	.55	.62	.79	.96
				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"	18.9	H-83011	U	445	327	250	197	160	132	111	95	82	71	62	50	40
				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"	19.7	H-84011	U	729	536	410	324	263	217	182	156	134	117	103	81	66
				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"	19.9	H-82010	U	306	225	172	136	110	91	77	65	56	49	43	34	28
				D	.11	.15	.19	.24	.30	.35	.41	.47	.54	.62	.69	.85	1.04
				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"	20.4	H-82510	U	464	341	261	206	167	138	116	99	85	74	65	52	42
				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"	20.9	H-83010	U	494	363	278	219	178	147	123	105	91	79	69	55	44
				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	.12	.15	.17	.21	.24	.28	.31	.35	.39	.47	.55
	4"	21.8	H-84010	U	810	595	456	360	292	241	202	173	149	130	114	90	73
				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	.06	.07	.09	.11	.14	.16	.19	.22	.25	.28	.31	.38	.45

*Available on special order.

HEAVY DUTY GRIP STRUT® PLANK LOAD TABLES

8-DIAMOND — 36" WIDTH

Heavy Duty Grip Strut Plank 8-Diamond — 36" 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"	22.1	H-82009	U	337	248	189	150	121	100	85	72	62	54	47	37	31
				D	.11	.15	.19	.24	.30	.35	.41	.47	.54	.62	.69	.85	1.04
				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"	22.7	H-82509	U	510	375	287	227	184	152	128	109	94	81	72	57	46
				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"	23.9	H-83009	U	543	399	306	241	196	162	135	116	100	87	76	61	48
				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"	24.2	H-84009	U	891	655	502	396	321	265	222	190	164	143	125	99	80
				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
36"	11 ga. Steel	447	510
	10 ga. Steel	515	587
	9 ga. Steel	586	667
	Deflection (in.)	0.16	0.15

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
36"	11 ga. Steel	298	340
	10 ga. Steel	343	391
	9 ga. Steel	391	444
	Deflection (in.)	0.20	0.19

U = Allowable Uniform Load (lb./ft.²)

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