

Bar Size	Symbol / Apprx. Wgt*** Lbs/Sq. Ft.		Ped. Span	Sec. Mod. Per Ft. Of Width		Clear Span												
						2'-0"	2'-6"	3'-0"	3'-6"	4'-0"	4'-6"	5'-0"	5'-6"	6'-0"	6'-6"	7'-0"	8'-0"	9'-0"
3/4" x 1/8"	8W4	8P4	51"	.281	U	844	540	375	276	211	167	135	U=Safe uniform load, lb/sq ft C=Safe concentrated load, lb/ft of grating width, at mid-span D=Deflection in inches					
	8.3#	8.7#			D	.099	.155	.223	.304	.397	.503	.621						
	8W2	8P2			C	844	675	563	482	422	375	338						
	8.8#	9.6#			D	.079	.124	.179	.243	.318	.402	.497						
3/4" x 3/16"	8W4	8P4	57"	.422	U	1266	810	563	413	316	250	203	167	Data is theoretical and based on 18,000 psi. Install Cross Rods on Top.				
	12.2#	13.0#			D	.099	.155	.223	.304	.397	.503	.621	.751					
	8W2	8P2			C	1266	1013	844	723	633	563	506	460					
	12.8#	14.4#			D	.079	.124	.179	.243	.318	.402	.497	.601					
1" x 1/8"	8W4	8P4	64"	.500	U	1500	960	667	490	375	296	240	198	167	% Open Area ¹ Bars 1/8" 3/16" 4"cc 68% 56% 2"cc 62% 50%			
	10.9#	11.3#			D	.074	.116	.168	.228	.298	.377	.466	.563	.670				
	8W2	8P2			C	1500	1200	1000	857	750	667	600	545	500				
	11.4#	12.2#			D	.060	.093	.134	.182	.238	.302	.372	.451	.536				
1" x 3/16"	8W4	8P4	71"	.750	U	2250	1440	1000	735	563	444	360	298	250	213	¹ Open Area % for reference only - %'s will vary with material & mfg. process.		
	16.0#	16.9#			D	.074	.116	.168	.228	.298	.377	.466	.563	.670	.787			
	8W2	8P2			C	2250	1800	1500	1286	1125	1000	900	818	750	692			
	16.7#	18.3#			D	.060	.093	.134	.182	.238	.302	.372	.451	.536	.629			
1-1/4" x 1/8"	8W4	8P4	75"	.781	U	2344	1500	1042	765	586	463	375	310	260	222	191		
	13.4#	14.2#			D	.060	.093	.134	.182	.238	.302	.372	.451	.536	.629	.730		
	8W2	8P2			C	2344	1875	1563	1339	1172	1042	938	852	781	721	670		
	14.0#	15.4#			D	.048	.074	.107	.146	.191	.241	.298	.360	.429	.504	.584		
1-1/4" x 3/16"	8W4	8P4	84"	1.172	U	3516	2250	1563	1148	879	694	563	465	391	333	287	220	174
	19.9#	21.2#			D	.060	.093	.134	.182	.238	.302	.372	.451	.536	.629	.730	.953	1.207
	8W2	8P2			C	3516	2813	2344	2009	1758	1563	1406	1278	1172	1082	1004	879	781
	20.5#	23.1#			D	.048	.074	.107	.146	.191	.241	.298	.360	.429	.504	.584	.763	.965
1-1/2" x 1/8"	8W4	8P4	87"	1.125	U	3375	2160	1500	1102	844	667	540	446	375	320	276	211	167
	16.0#	16.7#			D	.050	.078	.112	.152	.199	.251	.310	.376	.447	.524	.608	.794	1.006
	8W2	8P2			C	3375	2700	2250	1929	1688	1500	1350	1227	1125	1038	964	844	750
	16.6#	18.0#			D	.040	.062	.089	.122	.159	.201	.248	.300	.358	.420	.487	.636	.804
1-1/2" x 3/16"	8W4	8P4	96"	1.688	U	5063	3240	2250	1653	1266	1000	810	669	563	479	413	316	250
	23.8#	25.1#			D	.050	.078	.112	.152	.199	.251	.310	.376	.447	.524	.608	.794	1.006
	8W2	8P2			C	5063	4050	3375	2893	2531	2250	2025	1841	1688	1558	1446	1266	1125
	24.4#	27.0#			D	.040	.062	.089	.122	.159	.201	.248	.300	.358	.420	.487	.636	.804
1-3/4" x 3/16"	8W4	8P4	108"	2.297	U	6891	4410	3063	2250	1723	1361	1103	911	766	652	563	431	340
	27.6#	28.9#			D	.043	.067	.096	.130	.170	.215	.266	.322	.383	.450	.521	.681	.862
	8W2	8P2			C	6891	5513	4594	3938	3445	3063	2756	2506	2297	2120	1969	1723	1531
	28.2#	30.8#			D	.034	.053	.077	.104	.136	.172	.213	.257	.306	.360	.417	.545	.689
2" x 3/16"	8W4	8P4	119"	3.000	U	9000	5760	4000	2939	2250	1778	1440	1190	1000	852	735	563	444
	31.5#	32.8#			D	.037	.058	.084	.114	.149	.189	.233	.282	.335	.393	.456	.596	.754
	8W2	8P2			C	9000	7200	6000	5143	4500	4000	3600	3273	3000	2769	2571	2250	2000
	32.1#	34.7#			D	.030	.047	.067	.091	.119	.151	.186	.225	.268	.315	.365	.477	.603
2-1/4" x 3/16"	8W4	8P4	130"	3.797	U	11391	7290	5063	3719	2848	2250	1823	1506	1266	1078	930	712	563
	35.3#	36.6#			D	.033	.052	.074	.101	.132	.168	.207	.250	.298	.350	.406	.530	.670
	8W2	8P2			C	11391	9113	7594	6509	5695	5063	4556	4142	3797	3505	3254	2848	2531
	35.9#	38.5#			D	.026	.041	.060	.081	.106	.134	.166	.200	.238	.280	.324	.424	.536
2-1/2" x 3/16"	8W4	8P4	141"	4.688	U	14063	9000	6250	4592	3516	2778	2250	1860	1563	1331	1148	879	694
	39.2#	40.5#			D	.030	.047	.067	.091	.119	.151	.186	.225	.268	.315	.365	.477	.603
	8W2	8P2			C	14063	11250	9375	8036	7031	6250	5625	5114	4688	4327	4018	3516	3125
	39.8#	42.4#			D	.024	.037	.054	.073	.095	.121	.149	.180	.215	.252	.292	.381	.483

***Note: Weight depends on panel width, cross bar selection, mill tolerance and manufacturing tolerance.