

Bar Size	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"
1" x 1/8"	51"	.211	U 632	404	281	206	158	125	101	84	70	U = Safe uniform load, lb/sq.ft. C = Safe connected load, lb/sq.ft. of grating width, at mid-span. D = Deflection in inches. Data is theory and based on 18,000psi. Install with cross rods on top.			
			D .074	.116	.168	.228	.298	.377	.466	.563	.670				
			C 632	505	421	361	316	281	253	230	211				
			D .060	.093	.134	.182	.238	.302	.372	.451	.536				
1" x 3/16"	57"	.316	U 947	606	421	309	237	187	152	125	105	U = Safe uniform load, lb/sq.ft. C = Safe connected load, lb/sq.ft. of grating width, at mid-span. D = Deflection in inches. Data is theory and based on 18,000psi. Install with cross rods on top.			
			D .074	.116	.168	.228	.298	.377	.466	.563	.670				
			C 947	758	632	541	474	421	379	344	316				
			D .060	.093	.134	.182	.238	.302	.372	.451	.536				
1-1/4" x 1/8"	61"	.329	U 987	632	439	332	247	195	158	130	110	93	81	U = Safe uniform load, lb/sq.ft. C = Safe connected load, lb/sq.ft. of grating width, at mid-span. D = Deflection in inches. Data is theory and based on 18,000psi. Install with cross rods on top.	
			D .060	.093	.134	.182	.238	.302	.372	.451	.536	.629	.730		
			C 987	789	658	564	493	439	395	359	329	304	282		
			D .048	.074	.107	.146	.191	.241	.298	.360	.429	.504	.584		
1-1/4" x 3/16"	67"	.493	U 1480	947	658	483	370	292	237	196	164	140	121	U = Safe uniform load, lb/sq.ft. C = Safe connected load, lb/sq.ft. of grating width, at mid-span. D = Deflection in inches. Data is theory and based on 18,000psi. Install with cross rods on top.	
			D .060	.093	.134	.182	.238	.302	.372	.451	.536	.629	.730		
			C 1480	1184	987	846	740	658	592	538	493	455	423		
			D .048	.074	.107	.146	.191	.241	.298	.360	.429	.504	.584		
1-1/2" x 1/8"	70"	.474	U 1421	909	632	464	355	281	227	188	158	135	116	89	70
			D .050	.078	.112	.152	.199	.251	.310	.376	.447	.524	.608	.794	1.006
			C 1421	1137	947	812	711	632	568	517	474	437	406	355	316
			D .040	.062	.089	.122	.159	.201	.248	.300	.358	.420	.487	.636	.804
1-1/2" x 3/16"	77"	.711	U 2132	1364	947	696	533	421	341	282	237	202	174	133	105
			D .050	.078	.112	.152	.199	.251	.310	.376	.447	.524	.608	.794	1.006
			C 2132	1705	1421	1218	1066	947	853	775	711	.656	609	533	474
			D .040	.062	.089	.122	.159	.201	.248	.300	.358	.420	.487	.636	.804
1-3/4" x 3/16"	87"	.967	U 2901	1857	1289	947	725	573	464	384	322	275	237	181	143
			D .043	.067	.096	.130	.170	.215	.266	.322	.383	.450	.521	.681	.862
			C 2901	2321	1934	1658	1451	1289	1161	1055	967	893	829	725	645
			D .034	.053	.077	.104	.136	.172	.213	.257	.306	.360	.417	.545	.689
2" x 3/16"	96"	1.263	U 3789	2425	1684	1237	947	749	606	501	421	359	309	237	187
			D .037	.058	.084	.114	.149	.189	.233	.282	.335	.393	.456	.596	.754
			C 3789	3032	2526	2165	1895	1684	1516	1378	1263	1166	1083	947	842
			D .030	.047	.067	.091	.119	.151	.186	.225	.268	.315	.365	.477	.603