

SERIES TYPE & NAME	BB HGT	BB THK	PED MAX	LBS./SF 19-S-4	LOAD/ DEFL	CLEAR SPAN																		
						12"	18"	24"	30"	36"	42"	48"	54"	60"	66"	72"	78"	84"	90"	96"	102"	108"	114"	120"
TB-940-100	1"	0.940"	51"	3.0	U	4204	1868	1051	673	467	343	263	208	168	139	117	100	86	75	66	58	52	47	42
					D	0.031	0.070	0.125	0.195	0.281	0.382	0.500	0.633	0.779	0.944	1.125	1.325	1.532	1.761	2.006	2.247	2.532	2.841	3.117
					C	2102	1401	1051	841	701	601	526	467	420	382	350	323	300	280	263	247	234	221	210
TB-940-125	1-1/4"	0.940"	62"	4.2	U	6953	3090	1738	1112	773	568	435	343	278	230	193	165	142	124	109	96	86	77	70
					D	0.024	0.054	0.097	0.151	0.218	0.297	0.387	0.489	0.605	0.732	0.870	1.025	1.186	1.365	1.553	1.744	1.963	2.182	2.435
					C	3476	2318	1738	1391	1159	993	869	773	695	632	579	535	497	464	435	409	386	366	348
TB-940-150	1-1/2"	0.940"	70"	4.4	U	9378	4168	2344	1500	1042	766	586	463	375	310	260	222	191	167	147	130	116	104	94
					D	0.020	0.046	0.082	0.128	0.184	0.251	0.327	0.414	0.512	0.619	0.736	0.865	1.001	1.153	1.314	1.481	1.661	1.849	2.052
					C	4689	3126	2344	1876	1563	1340	1172	1042	938	853	781	721	670	625	586	552	521	494	469
TB-940-200	2"	0.940"	84"	5.0	U	14875	6611	3719	2380	1653	1214	930	735	595	492	413	352	304	264	232	206	184	165	149
					D	0.016	0.037	0.065	0.102	0.147	0.201	0.262	0.332	0.410	0.496	0.589	0.692	0.803	0.921	1.048	1.184	1.327	1.479	1.638
					C	7438	4958	3719	2975	2479	2125	1859	1653	1488	1352	1240	1144	1063	992	930	875	826	783	744
					D	0.013	0.028	0.050	0.078	0.113	0.154	0.201	0.254	0.314	0.380	0.452	0.530	0.616	0.707	0.804	0.907	1.017	1.133	1.256

U - Uniform Load - Lbs./Sf. D - Deflection in Inches C - Concentrated Load - Lbs./Ft. of Width at Mid Span | Loading information based on 10.1053 bearing bars per foot of Grating width. Loading and deflection values are theoretical and based on a maximum allowable Fiber stress (Fs) of 12,000 PSI. Elastic Modulus (E) is 10,000,000 PSI. Spans listed in table are clear (inside structural supports). Span and loading values to the left of the bolded black line produce a deflection of 1/4" or less under a uniform load of 100 Lbs./Sf., allowing for safe pedestrian comfort. The resulting pedestrian maximum spans under this condition are listed in the PED MAX column. Span and loading values to the right of the bolded black line are applicable to other types of loads at the discretion of a licensed engineer. Technical information provided is theoretical and for evaluation by technically skilled persons, with any use thereof to be at their independent discretion and risk. McNICHOLS shall have no responsibility or liability for results obtained or damages resulting from improper evaluation or use of Bar Grating.

Bearing bar top flange spacing meets ADA requirements (1/2" maximum clear opening) when the direction of bearing bars (span) are installed perpendicular to the dominant direction of travel.