

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-626-100	1"	0.626"	50"	2.7	U	3962	1761	990	634	440	323	248	196	158	131	110	94	81	70	62	55	49	44	40
					D	0.034	0.076	0.136	0.212	0.305	0.415	0.544	0.688	0.846	1.027	1.221	1.437	1.666	1.897	2.175	2.459	2.754	3.070	3.426
					C	1981	1321	990	792	660	566	495	440	396	360	330	305	283	264	248	233	220	209	198
					D	0.027	0.061	0.109	0.170	0.244	0.333	0.434	0.549	0.678	0.821	0.977	1.148	1.330	1.526	1.740	1.961	2.198	2.456	2.713
TB-626-125	1-1/4"	0.626"	58"	3.3	U	6063	2695	1516	970	674	495	379	299	243	200	168	144	124	108	95	84	75	67	61
					D	0.027	0.061	0.108	0.169	0.243	0.331	0.432	0.546	0.676	0.815	0.969	1.145	1.326	1.522	1.733	1.952	2.191	2.430	2.716
					C	3032	2021	1516	1213	1011	866	758	674	606	551	505	466	433	404	379	357	337	319	303
					D	0.022	0.049	0.086	0.135	0.194	0.265	0.346	0.438	0.540	0.653	0.777	0.912	1.058	1.214	1.382	1.562	1.750	1.949	2.159
TB-626-150	1-1/2"	0.626"	65"	3.6	U	8084	3593	2021	1293	898	660	505	399	323	267	225	191	165	144	126	112	100	90	81
					D	0.023	0.051	0.091	0.142	0.205	0.279	0.364	0.461	0.569	0.689	0.822	0.961	1.117	1.284	1.455	1.648	1.849	2.066	2.283
					C	4042	2695	2021	1617	1347	1155	1011	898	808	735	674	622	577	539	505	476	449	425	404
					D	0.018	0.041	0.073	0.114	0.164	0.223	0.292	0.369	0.455	0.551	0.657	0.770	0.892	1.025	1.166	1.318	1.476	1.643	1.822
TB-626-200	2"	0.626"	78"	4.1	U	12692	5641	3173	2031	1410	1036	793	627	508	420	353	300	259	226	198	176	157	141	127
					D	0.017	0.039	0.069	0.108	0.156	0.212	0.277	0.351	0.434	0.525	0.625	0.731	0.849	0.977	1.108	1.255	1.407	1.569	1.735
					C	6346	4231	3173	2538	2115	1813	1587	1410	1269	1154	1058	976	907	846	793	747	705	668	635
					D	0.014	0.031	0.055	0.087	0.125	0.170	0.222	0.281	0.347	0.420	0.499	0.586	0.680	0.780	0.887	1.003	1.123	1.252	1.388

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.