

SERIES TYPE & NAME	BB HGT	BB THK	PED MAX	LBS./SF		LOAD/ DEFLECT	CLEAR SPAN																							
				15-P-4	15-P-2		12"	18"	24"	30"	36"	42"	48"	54"	60"	66"	72"	78"	84"	90"	96"	102"	108"	114"	120"					

U - Uniform Load - Lbs./Sf. **D** - Deflection in Inches **C** - Concentrated Load - Lbs./Ft. of Width at Mid Span | Loading information based on 12.8 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. GCC and GDD Series Grating is not designed for wheel traffic. GDD Series Grating refers to 2" cross bar spacing (15-P-2). Custom Order Only: For Grating with a serrated surface (1" bearing bar height or taller and 3/16" thick), subtract 1/4" from the bearing bar height requirement and reference that loading information listed in the table. For example, a 1-1/2" x 3/16" serrated bearing bar height and thickness would have the same strength and loading values as a 1-1/4" x 3/16" smooth (non-serrated) bearing bar height and thickness. 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.