

Bearing Bar Size Selection Guide: 19-4 Plain Surface Grating

For deflection of not more than 1/4" when subjected to the uniform loads below.

Safe Uniform Load lbs./Sq.Ft.	2'-6"	3'-0"	3'-6"	4'-0"	4'-6"	5'-0"	5'-6"	6'-0"	6'-6"	7'-0"	8'-0"	9'-0"
50	1 x 1/8	1 x 1/8	1 x 1/8	1 x 1/8	1 x 3/16	1 1/4 x 1/8	1 1/4 x 3/16	1 1/2 x 3/16	1 3/4 x 3/16	1 3/4 x 3/16	2 x 3/16	2 1/4 x 3/16
75	1 x 1/8	1 x 1/8	1 x 1/8	1 x 1/8	1 x 3/16	1 1/4 x 1/8	1 1/4 x 3/16	1 1/2 x 3/16	1 3/4 x 3/16	1 3/4 x 3/16	2 x 3/16	2 1/4 x 3/16
100	1 x 1/8	1 x 1/8	1 x 1/8	1 x 1/8	1 x 3/16	1 1/4 x 1/8	1 1/4 x 3/16	1 1/2 x 3/16	1 3/4 x 3/16	1 3/4 x 3/16	2 1/4 x 3/16	2 1/2 x 3/16
125	1 x 1/8	1 x 1/8	1 x 1/8	1 x 1/8	1 1/4 x 1/8	1 1/4 x 3/16	1 1/2 x 1/8	1 1/2 x 3/16	1 3/4 x 3/16	2 x 3/16	2 1/4 x 3/16	
150	1 x 1/8	1 x 1/8	1 x 1/8	1 x 3/16	1 1/4 x 1/8	1 1/4 x 3/16	1 1/2 x 3/16	1 3/4 x 3/16	1 3/4 x 3/16	2 x 3/16	2 1/2 x 3/16	
200	1 x 1/8	1 x 1/8	1 x 1/8	1 1/4 x 1/8	1 1/4 x 3/16	1 1/2 x 3/16	1 3/4 x 3/16	1 3/4 x 3/16	2 x 3/16	2 1/4 x 3/16		
250	1 x 1/8	1 x 3/16	1 x 3/16	1 1/4 x 3/16	1 1/4 x 3/16	1 3/4 x 3/16	2 x 3/16	2 x 3/16	2 1/4 x 3/16	2 1/2 x 3/16		