

## Expanded Metal Grating and Catwalk Grating Selection Chart

First consider the general characteristics required, such as safety, open area and ease of maintenance. After the basic product is selected, determine the proper style of grating to satisfy the load and span conditions. The following information will help you select the proper style of grating for the job:

- Determine the clear span
- Determine the load condition and the amount of load
- Select the appropriate grating style from the guide to the right

The chart below is a guide to help choose the right Expanded Metal Standard Grating or Catwalk Grating for your walkway application. If the clear span (distance between supports) and the loading weight are known, the most economical type of grating is highlighted below. Expanded metal grating performs best when the Long Way of the Design (LWD) is placed across the span (length). For catwalk applications, this can be accomplished by using multiple pieces of grating with the LWD installed parallel to the span or by selecting our catwalk grating which is produced in common widths (24", 30", 36") with the LWD running parallel with the width of the panel/sheet.

Concentrated Load (Lbs. Per Foot of Length of Catwalk or Platform)	Selection Chart (Carbon Steel)*									
	Clear Span (Distance between supports, measured from the inside edge of one support to the inside edge of the next support.)									
	18"	24"	30"	36"	42"	48"	54"	60"	66"	72"
50 Lbs. Light pedestrian traffic	3.0 3.14	3.0 3.14	3.0 3.14	3.0 3.14	3.0 3.14	4.0 4.27	5.0 6.25	6.25 7.0	6.25 7.0	7.0
100 Lbs. Normal or frequent pedestrian traffic	3.0 3.14	3.0 3.14	3.0 3.14	3.0 3.14	4.0 4.27	5.0 6.25	7.0			
150 Lbs. Heavy or constant pedestrian traffic	3.0 3.14	3.0 3.14	3.0 3.14	5.0 6.25	5.0 6.25	7.0	7.0			
200 Lbs. Pedestrian traffic and light equipment	3.0 3.14	3.0 3.14	4.0 4.27	5.0 6.25	6.25 7.0	7.0				
250 Lbs.	3.0 3.14	3.0 3.14	4.0 4.27	6.25 7.00	7.0					
300 Lbs.	3.0 3.14	4.0 4.27	5.0 6.25	7.0						
350 Lbs.	3.0 3.14	4.0 4.27	6.25 7.0	7.0						
400 Lbs.	3.0 3.14	4.0 4.27	6.25 7.0							

The concentrated load deflections for this chart do not exceed the 1/4" maximum deflection as stated by Federal Specification RR-G-661B and the generally accepted recommendation for normal pedestrian comfort.

\* Sizes listed do not imply availability.

