



**Table 1: Specifications of Carbon Steel Standard Expanded Metal**

Style	Nominal Weight in lbs.Per Sq.Ft.A	Design Size (inches)B		Opening Size (inches)C		Strand Size (inches)		Overall Thickness( inches)	Open Area
		SWD	LWD	SWO	LWO	Width	Thicknes s		
2.0 lb.	2.0 lb.	1.33	5.33	1	3.6	0.235	0.135	0.46	77%
3.0 lb.	3.0 lb.	1.33	5.33	0.94	3.44	0.264	0.183	0.54	60%
3.14 lb	3.14 lb	2	6	1.625	4.88	0.312	0.25	0.656	69%
4.0 lb	4.0 lb	1.33	5.33	0.94	3.44	0.3	0.215	0.618	55%
4.27 lb	4.27 lb	1.41	4	1	2.88	0.3	0.25	0.625	58%
5.0 lb	5.0 lb	1.33	5.33	0.813	3.38	0.331	0.25	0.655	50%
6.25 lb	6.25 lb	1.41	5.33	0.813	3.38	0.35	0.312	0.715	50%
7.0 lb	7.0 lb	1.41	5.33	0.813	3.38	0.391	0.318	0.74	45%

A) A variation in weight per square ft. of  $\pm 5\%$  is permissible, based on the weight of any sheet or bundle.  
 B) A tolerance of  $\pm 5\%$  is permitted in dimensions, center to center.

**Table 2: Specifications of Stainless Steel Standard Expanded Metal**

Style	Nominal Weight in lbs.Per Sq.Ft.A	Design Size (inches)B		Opening Size (inches)C		Strand Size (inches)		Overall Thickness (inches)	Open Area
		SWD	LWD	SWO	LWO	Width	Thicknes s		
3.3 lb.	3.32	2	6	1.625	4.88	0.312	0.25	0.656	69%
4.5 lb.	4.25	1.41	4	1	2.88	0.3	0.25	0.625	58%

A) A variation in weight per square ft. of  $\pm 5\%$  is permissible, based on the weight of any sheet or bundle.  
 B) A tolerance of  $\pm 5\%$  is permitted in dimensions, center to center.

**Table 3: Specifications of Aluminum Standard Expanded Metal**

Style	Nominal Weight in lbs.Per Sq.Ft.A	Design Size (inches)B		Opening Size (inches)C		Strand Size (inches)		Overall Thickness (inches)	Open Area
		SWD	LWD	SWO	LWO	Width	Thickn ess		
2.0 lb.	2	1.33	5.33	0.94	3.44	0.387	0.25	0.73	48%



**Table 4: Carbon Steel - Concentrated Load Deflection  
Tables for a Fixed-Fixed Span**

Style(lbs. per sq. ft)	-	24-Inch Span	36-Inch Span
3.0#	Concentrated Load Capacity (lb./ft.)	274	126
	Deflection Under Allowed Concentrated Load (in.)	0.25	0.25
3.14#	Concentrated Load Capacity (lb./ft.)	340	117
	Deflection Under Allowed Concentrated Load (in.)	0.25	0.25
4.0#	Concentrated Load Capacity (lb./ft.)	468	201
	Deflection Under Allowed Concentrated Load (in.)	0.25	0.25
4.27#	Concentrated Load Capacity (lb./ft.)	419	196
	Deflection Under Allowed Concentrated Load (in.)	0.25	0.25
<b>The test specimens on which this table is measured were welded at alternate strands to an angle fixture. Testing shows that if the ends are not so welded, the capacity of the grating is drastically reduced.</b>			

**Table 5 Aluminum - Concentrated Load Deflection Tables for a  
Fixed-Fixed Span**

Style(lbs. per sq. ft)	-	24-Inch Span	36-Inch Span
2.0#	Concentrated Load Capacity (lb./ft.)	320	136
	Deflection Under Allowed Concentrated Load (in.)	0.25	0.25
<b>The test specimens on which this table is measured were welded at alternate strands to an angle fixture. Testing shows that if the ends are not so welded, the capacity of the grating is drastically reduced.</b>			