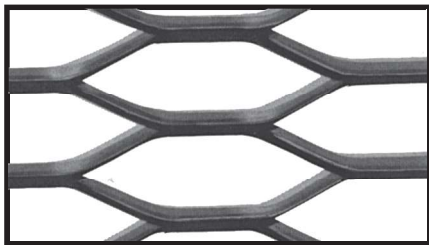


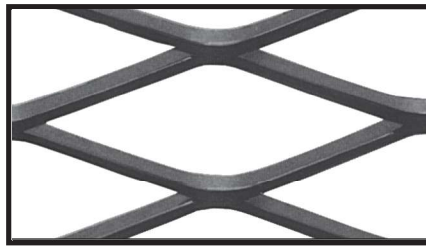
EXPANDED METAL GRATING

Nominal Weights and Dimensions

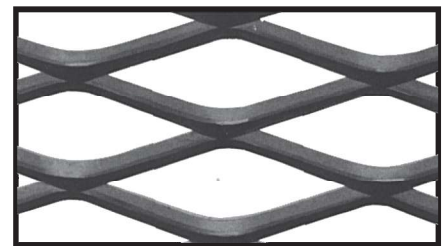
Style	Nominal Weight in Lbs. Per Sq. Ft. ^B	Design Size (Inches) ^C		Design Size (Inches) ^C		Strand Size (Inches) ^C		Overall Thickness (Inches)	Number of Diamonds Per Foot		(% Open Area)	
		SWD	LWD	SWO	LWO	Width	Thickness		SWD	LWD		
Expanded Metal Grating - Carbon Steel to ASTM A1011												
2.0 lb.	2.00	1.33	5.33	1.000	3.60	0.235	0.135	0.460	9	2.25	77	
3.0 lb.	3.00	1.33	5.33	0.940	3.44	0.264	0.183	0.540	9	2.25	60	
3.14 lb.	3.14	2.00	6.00	1.625	4.88	0.312	0.250	0.656	6	2.00	69	
4.0 lb.	4.00	1.33	5.33	0.940	3.44	0.300	0.215	0.618	9	2.25	55	
4.27 lb.	4.27	1.41	4.00	1.000	2.88	0.300	0.250	0.625	8.5	3.00	58	
5.0 lb.	5.00	1.33	5.33	0.813	3.38	0.331	0.250	0.655	9	2.25	50	
6.25 lb.	6.25	1.41	5.33	0.813	3.38	0.350	0.312	0.715	8.5	2.25	50	
7.0 lb.	7.00	1.41	5.33	0.813	3.38	0.391	0.318	0.740	8.5	2.25	45	
Expanded GRATING - STAINLESS STEEL to ASTM A240 Type 304												
3.3 lb.	3.32	2.00	6.00	1.625	4.88	0.312	0.250	0.656	6	2.00	69	
4.5 lb.	4.25	1.41	4.00	1.000	2.88	0.300	0.250	0.625	8.5	3.00	58	
EXPANDED GRATING - ALUMINUM to ASTM B209												
2.0 lb.	2.0	1.33	5.33	.940	3.44	.387	.250	.730	9	2.25	48	



2.0-lb. 3.0-lb. 4.0-lb. 5.0-lb. 6.25-lb. 7.0-lb.



3.14-lb.



4.27-lb.

Concentrated Load and Deflection Tables for Spans Fixed on Both Ends

Carbon Steel					Aluminum				
Style	Weight (lbs. / ft ²)	Load & Deflection	24-inch Span	36-inch Span	Style	Weight (lbs. / ft ²)	Load & Deflection	24-inch Span	36-inch Span
3.0#	3.0#	C	274	126	2.0#	2.0#	C	320	126
		D	0.25	0.25			D	0.25	0.25
3.14#	3.14#	C	340	117					
		D	0.25	0.25					
4.0#	4.0#	C	468	201					
		D	0.25	0.25					
4.27#	4.27#	C	419	196					
		D	0.25	0.25					



LOAD CRITERIA:

1. Concentrated load is applied at mid-span and is in units of pounds per foot of grating width.
2. Deflection is at the mid-span, and is measured in inches.
3. The test specimens on which this table is measured were welded at alternate strands to an angle fixture.
4. Testing has shown that if the both ends are not welded in place the capacity of the grating is drastically reduced.

^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.