

# Regular Expanded Metal

## CARBON STEEL - ASTM A 1011

Style	Weight in lbs. per C.S.F		Standard Sizes in Feet		Size of Openings in inches		Center to Center of Bond in inches		Size of Strands in inches		Percent Open Area	No. of Diamonds per ft. SWD	Overall Thickness in inches
	Plain	Galv.	Width	Length	Width	Length	Width	Length	Width	Thickness			
3/16" #22	62	A	B	B	0.166	0.437	0.200	0.500	0.050	0.030	60	60	0.086
3/16" #20	75	A	B	B	0.166	0.437	0.200	0.500	0.050	0.036	57	60	0.090
1/4" #20	86	129	4-8	8-4	0.172	0.719	0.255	1.000	0.073	0.036	45	47	0.125
1/4" #18	114	171	4-8	8-4	0.172	0.719	0.255	1.000	0.073	0.048	43	47	0.125
5/16" #18	104	-	4-8	8-4	0.188	0.688	0.333	1.000	0.094	0.048	60	36	0.170
1/2" #20	43	59	4-8	8-4	0.438	0.938	0.500	1.200	0.072	0.036	80	24	0.124
1/2" #18	70	85	4-6-8	8-10-4	0.438	0.938	0.500	1.200	0.088	0.048	77	24	0.155
1/2" #16	86	97	4-6-8	8-10-4	0.375	0.938	0.500	1.200	0.086	0.060	71	24	0.157
1/2" #13	147	173	4-6-8	8-10-4	0.313	0.938	0.500	1.200	0.096	0.092	58	24	0.182
1/2" #13	282	310	8	4	0.250	0.800	0.500	1.200	0.188	0.092	25	24	0.275
3/4" #16	54	65	4-6-8	8-10-4	0.813	1.750	0.923	2.000	0.099	0.060	85	13	0.186
3/4" #13	80	92	4-6-8	8-10-4	0.750	1.688	0.923	2.000	0.096	0.092	78	13	0.195
3/4" #10	120	136	4-6-8	8-10-4	0.750	1.625	0.923	2.000	0.144	0.092	77	13	0.282
3/4" #9	180	195	4-6-8	8-10-12	0.688	1.563	0.923	2.000	0.148	0.134	68	13	0.300
1" #16	44	51	4-8	8-4	1.000	2.063	1.090	2.400	0.096	0.060	86	11	0.182
1" #14	76	82	4-8	8-4	0.875	1.563	1.090	2.400	0.122	0.075	75	11	0.225
1" #12	101	108	4-8	8-4	0.907	1.563	1.090	2.400	0.109	0.105	78	11	0.225
1" #10	170	187	4-8	8-4	0.750	1.563	1.090	2.400	0.155	0.135	62	11	0.375
1" #10H	200	221	4-8	8-4	0.725	1.563	1.090	2.400	0.180	0.135	60	11	0.390
1" #7	412	453	8	4	0.576	1.563	1.090	2.400	0.275	0.183	45	11	0.550
1 1/2" #18	20	25	4-8	8-4	1.313	2.625	1.330	3.000	0.067	0.048	93	9	0.140
1 1/2" #16	40	48	4-8	8-10-12-4	1.250	2.625	1.330	3.000	0.107	0.060	89	9	0.211
1 1/2" #14	44	50	4-8	8-4	1.188	2.625	1.330	3.000	0.097	0.075	85	9	0.242
1 1/2" #13	60	68	4-6-8	8-10-12-4	1.188	2.500	1.330	3.000	0.104	0.092	86	9	0.215
1 1/2" #12	72	85	4-8	8-4	1.112	2.375	1.330	3.000	0.109	0.105	83	9	0.225
1 1/2" #10	79	89	4-6-8	8-10-4	1.188	2.500	1.330	3.000	0.137	0.092	85	9	0.289
1 1/2" #10	170	187	4-8	8-4	1.000	2.375	1.330	3.000	0.200	0.135	74	9	0.350
1 1/2" #10H	200	220	4-8	8-4	0.830	2.375	1.330	3.000	0.240	0.135	72	9	0.460
1 1/2" #9	120	131	4-6-8	8-10-12-4	1.125	2.375	1.330	3.000	0.142	0.135	75	9	0.295
1 1/2" #6	250	273	4-6-8	8-10-12-4	1.000	2.313	1.330	3.000	0.201	0.198	63	9	0.425
2" #10	68	75	B	B	1.625	3.438	1.850	4.000	0.164	0.092	86	6.5	0.312
2" #9	90	102	B	B	1.563	3.375	1.850	4.000	0.149	0.134	86	6.5	0.325

Above conforms to EMMA 557-99

A. Not Available  
B. Special Order only

# Flattened Expanded Metal

## CARBON STEEL - ASTM A 1011

Style	Weight in lbs. per C.S.F		Standard Sizes in Feet		Size of Openings in inches		Center to Center of Bond in inches		Size of Strands in inches		Percent Open Area	No. of Diamonds per ft. SWD	Overall Thickness in inches
	Plain	Galv.	Width	Length	Width	Length	Width	Length	Width	Thickness			
3/16" #22	60	A	B	B	0.085	0.459	0.200	0.520	0.057	0.024	40	60	0.024
3/16" #20	72	A	B	B	0.085	0.459	0.200	0.520	0.057	0.029	39	60	0.029
1/4" #20	83	124	4-8	8-4	0.094	0.688	0.255	1.030	0.086	0.030	47	47	0.030
1/4" #18	111	165	4-8	8-4	0.094	0.688	0.255	1.030	0.086	0.040	40	47	0.040
5/16" #18	95	-	4-8	8-4	0.172	0.813	0.333	1.030	0.099	0.040	45	36	0.040
1/2" #20	40	51	4-8	8-4	0.375	1.000	0.500	1.260	0.070	0.029	72	24	0.029
1/2" #18	66	88	3-4-6-8	8-10-4	0.281	1.000	0.500	1.260	0.109	0.039	69	24	0.039
1/2" #16	82	100	3-4-6-8	8-10-4	0.250	1.000	0.500	1.260	0.103	0.050	60	24	0.050
1/2" #13	140	162	3-4-6-8	8-10-4	0.250	1.000	0.500	1.260	0.122	0.070	57	24	0.070
3/4" #16	51	61	3-4-6-8	8-10-4	0.750	1.750	0.923	2.100	0.115	0.048	75	13	0.048
3/4" #14	63	75	3-4-6-8	8-10-4	0.688	1.813	0.923	2.100	0.119	0.061	70	13	0.061
3/4" #13	75	86	3-4-6-8	8-10-4	0.688	1.782	0.923	2.100	0.119	0.070	73	13	0.070
3/4" #10	114	125	4-8	8-4	0.637	1.755	0.923	2.100	0.160	0.070	68	13	0.070
3/4" #9	171	186	3-4-6-8	8-10-12-4	0.563	1.688	0.923	2.100	0.164	0.120	63	13	0.120
1" #16	41	50	4-8	8-4	0.875	2.250	1.090	2.560	0.115	0.048	77	11	0.048
1" #14	73	77	4-8	8-4	0.790	2.000	1.090	2.560	0.125	0.070	80	11	0.070
1" #12	96	110	4-8	8-4	0.785	2.000	1.090	2.560	0.156	0.085	74	11	0.085
1" #10	165	179	4-8	8-4	0.750	1.900	1.090	2.560	0.160	0.110	58	11	0.110
1 1/2" #16	38	44	4-8	8-4	1.063	2.750	1.330	3.200	0.123	0.048	82	9	0.048
1 1/2" #14	46	56	3-4-6-8	8-4	1.063	2.750	1.330	3.200	0.138	0.060	82	9	0.060
1 1/2" #13	57	68	3-4-6-8	8-4	1.063	2.750	1.330	3.200	0.138	0.070	80	9	0.070
1 1/2" #12	66	76	4-8	8-4	1.296	2.625	1.330	3.200	0.116	0.085	85	9	0.085
1 1/2" #10	165	179	4-8	8-4	0.900	2.560	1.330	3.200	0.188	0.110	63	9	0.110
1 1/2" #9	111	128	3-4-6-8	8-10-12-4	1.000	2.563	1.330	3.200	0.175	0.110	77	9	0.110
1 1/2" #6	241	260	3-4	8-10	1.000	2.563	1.33	3.20	0.255	0.173	65	9	0.172

Above conforms to EMMA 557-99

A. Not Available  
B. Special Order only

# Stainless Steel & Aluminum

Style	Weight in lbs. per C.S.F	Standard Sizes in Feet		Size of Openings in inches		Center to Center of Bond in inches		Size of Strands in inches		Percent Open Area	No. of Diamonds per ft. SWD	Overall Thickness in inches
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## STAINLESS STEEL REGULAR-TYPE 304 (AVAILABLE IN T-304L, T-316, T-316L)

1/2" #20	50	4	8	0.437	0.937	0.500	1.200	0.080	0.037	70	24	0.164
1/2" #18	73	4	8	0.438	0.938	0.500	1.200	0.087	0.050	77	24	0.164
1/2" #16	91	4	8	0.438	0.938	0.500	1.200	0.087	0.062	70	24	0.164
1/2" #13	187	4	8	0.313	0.875	0.500	1.200	0.120	0.093	58	24	0.225
3/4" #18	48	4	8	0.813	1.750	0.923	2.000	0.106	0.050	89	13	0.200
3/4" #16	60	4	8	0.813	1.750	0.923	2.000	0.106	0.062	85	13	0.200
3/4" #13	91	4	8	0.750	1.688	0.923	2.000	0.108	0.093	78	13	0.200
3/4" #9	205	4	8	0.688	1.563	0.923	2.000	0.161	0.140	67	13	0.300
1 1/2" #16	45	4	8	1.250	2.750	1.333	3.000	0.115	0.062	89	9	0.220
1 1/2" #13	68	4	8	1.250	2.625	1.333	3.000	0.116	0.093	86	9	0.220
1 1/2" #9	137	4	8	1.125	2.500	1.333	3.000	0.155	0.140	75	9	0.280

Above conforms to EMMA 557-99

## STAINLESS STEEL FLATTENED-TYPE 304 (AVAILABLE IN T-304L, T-316, T-316L)

1/2" #20	48	4	8	0.312	1.000	0.500	1.260	0.091	0.033	60	24	0.033
1/2" #18	69	4	8	0.313	1.000	0.500	1.260	0.093	0.040	68	24	0.040
1/2" #16	86	4	8	0.313	1.000	0.500	1.260	0.093	0.050	60	24	0.050
1/2" #13	178	4	8	0.250	1.000	0.500	1.260	0.132	0.080	56	24	0.080
3/4" #18	46	4	8	0.750	1.813	0.923	2.100	0.118	0.040	77	13	0.040
3/4" #16	57	4	8	0.750	1.813	0.923	2.100	0.118	0.050	75	13	0.050
3/4" #13	87	4	8	0.625	1.750	0.923	2.100	0.120	0.070	74	13	0.070
3/4" #9	195	4	8	0.563	1.688	0.923	2.100	0.160	0.119	64	13	0.119
1 1/2" #16	43	4	8	1.063	2.750	1.330	3.150	0.124	0.050	83	9	0.050
1 1/2" #13	65	4	8	1.000	2.625	1.330	3.150	0.124	0.079	79	9	0.079
1 1/2" #9	131	4	8	0.938	2.625	1.330	3.150	0.165	0.119	76	9	0.119

Above conforms to EMMA 557-99

## ALUMINUM REGULAR-ALLOY 3003 H14 (AVAILABLE IN 5005 H34)

3/16" .032	23	B	B	0.166	0.437	0.200	0.500	0.050	0.032	52	60	0.068
1/2" .051	27	4	8	0.375	0.938	0.500	1.200	0.094	0.051	70	24	0.158
1/2" .081	44	4	8	0.375	0.938	0.500	1.200	0.096	0.081	60	24	0.186
3/4" .051	17	4	8	0.813	1.175	0.923	2.000	0.109	0.051	90	13	0.200
3/4" .064	22	4-8	8-4	0.823	1.660	0.923	2.000	0.111	0.064	75	13	0.200
3/4" .081	41	4	8	0.750	1.688	0.923	2.000	0.166	0.081	74	13	0.300
3/4" .081L	27	4-8	8-4	0.750	1.680	0.923	2.000	0.110	0.081	76	13	0.200
3/4" .081H	41	4-8	8-4	0.750	1.688	0.923	2.000	0.165	0.081	69	13	0.300
3/4" .125	65	4	8	0.688	1.688	0.923	2.000	0.170	0.125	66	13	0.305
3/4" .188	113	4-8	8-4	0.590	1.350	0.923	2.000	0.200	0.188	60	13	0.400
1 1/2" .051	13	4-8	8-4	1.225	2.400	1.330	3.000	0.110	0.051	88	9	0.200
1 1/2" .081	22	4	8	1.188	2.500	1.333	3.000	0.128	0.081	87	9	0.240
1 1/2" .125	43	4	8	1.188	2.500	1.333	3.000	0.163	0.125	78	9	0.300

A. Not Available

Above conforms to EMMA 557-99

B. Special Order Only

## ALUMINUM FLATTENED-ALLOY 3003 H14 (AVAILABLE IN 5005 H34)

3/16" .032	25	8	4	0.078	0.313	0.218	0.438	0.060	0.029	43	60	0.028
1/2" .051	25	4	8	0.313	1.000	0.500	1.270	0.091	0.040	57	24	0.040
1/2" .081	41	4	8	0.313	1.000	0.500	1.270	0.103	0.060	57	24	0.060
3/4" .051	16	4	8	0.750	1.813	0.923	2.120	0.114	0.040	73	13	0.040
3/4" .064	20	4-8	8-4	0.750	1.780	0.923	2.130	0.122	0.051	72	13	0.051
3/4" .081L	25	4-8	8-4	0.687	1.750	0.923	2.215	0.134	0.070	70	13	0.070
3/4" .081H	38	4-8	8-4	0.688	1.750	0.923	2.120	0.172	0.070	63	13	0.070
3/4" .125	61	4	8	0.625	1.750	0.923	2.120	0.180	0.095	55	13	0.095
3/4" .188	107	4-8	8-4	0.484	1.593	0.923	2.130	0.205	0.170	60	13	0.170
1 1/2" .051	11	4-8	8-4	1.095	2.750	1.330	3.090	0.120	0.040	80	9	0.040
1 1/2" .081	20	4	8	1.063	2.750	1.333	3.150	0.144	0.055	75	9	0.055
1 1/2" .125	40	4	8	1.000	2.750	1.333	3.150	0.190	0.080	65	9	0.080

Above conforms to EMMA 557-99

# Expanded Metal

Style	Weight in lbs. per C.S.F		Standard Sizes in Feet		Size of Openings in inches		Center to Center of Bond in inches		Size of Strands in inches		Percent Open Area	No. of Diamonds per ft. SWD	Overall Thickness in inches
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## CARBON STEEL GRATING-ASTM A1011

	Plain	Galv.	Width	Length	Width	Length	Width	Length	Width	Thickness			
2 lb	200	218	4-6	8	1.000	3.600	1.333	5.330	0.235	0.135	77	9	0.460
3 lb	300	320	4-6	8-10	0.938	3.438	1.333	5.330	0.261	0.183	73	9	0.500
3.14 lb	314	334	4-6	8-10	1.625	4.875	2.000	6.000	0.308	0.250	74	6	0.562
4 lb	400	430	4-5-6	8-10	0.938	3.438	1.333	5.330	0.297	0.215	65	9	0.625
4.27 lb	427	457	4-6	8-10	1.000	2.875	1.412	4.000	0.297	0.250	58	8.5	0.625
5 lb	500	550	4-5-6	8-10	0.813	3.375	1.333	5.330	0.327	0.250	52	9	0.625
6.25 lb	625	685	4-6	8-10	0.813	3.375	1.412	5.330	0.347	0.312	55	8.5	0.750
7 lb	700	750	4-6	8	0.813	3.375	1.412	5.330	0.388	0.312	60	8.5	0.750

Above conforms to EMMA 557-99

## ALUMINUM GRATING-ALLOY 5052 H32

2 lb	200	-	4-6	8	1.000	3.600	1.333	5.330	0.235	0.250	77	9	0.460
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Above conforms to EMMA 557-99

## CARBON STEEL LONG LENGTH SWD (CATWALK GRATING)-ASTM A 569/569M

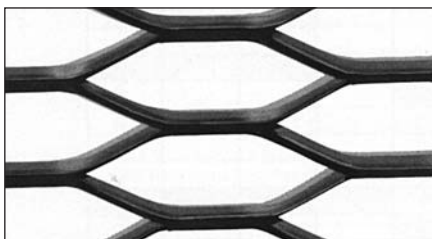
			Width	Length	Width	Length	Width	Length	Width	Thickness			
2 lb	200	218	8	4	1.000	3.600	1.333	5.330	0.235	0.135	77	9	0.460
3 lb	300	320	8-10	2-2.6-3-4	0.938	3.438	1.333	5.330	0.261	0.183	73	9	0.500
3.14 lb	314	334	8-10	2-2.6-3-4	1.625	4.875	2.000	6.000	0.308	0.250	74	6	0.562
4 lb	400	430	8-10	2-2.6-3-4	0.938	3.438	1.330	5.330	0.297	0.215	65	9	0.625
4.27 lb	427	457	8-10	2-2.6-3-4	1.000	2.875	1.412	4.000	0.297	0.250	58	8.5	0.625
5 lb	500	550	8-10	2-2.6-3-4	0.813	3.375	1.333	5.330	0.327	0.250	52	9	0.625
6.25 lb	625	685	8	4	0.813	3.375	1.412	5.330	0.347	0.312	55	8.5	0.750

Above conforms to EMMA 557-99

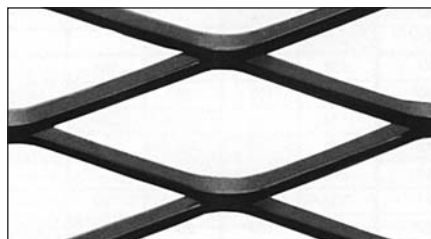
## ALUMINUM LONG LENGTH SWD (CATWALK GRATING)-ALLOY 5052 H32

2 lb	200	-	8	2-2.6-3-4	1.000	3.600	1.333	5.330	0.235	0.250	77	9	0.460
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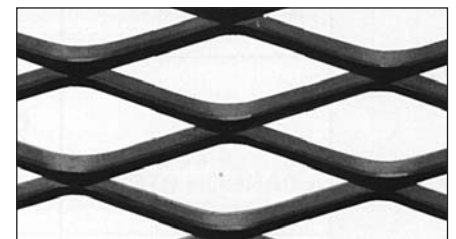
Above conforms to EMMA 557-99



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



3.14 lb



4.27 lb

Style	Weight in lbs. per C.S.F		Standard Sizes in Feet		Size of Openings in inches		Center to Center of Bond in inches		Size of Strands in inches		Percent Open Area
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## ORNAMESH CARBON STEEL-ASTM A 1011-ALUMINUM ALLOY 5005 H34

	Plain	Width	Length	Width	Length	Width	Length	Width	Thickness	
Steel	1.590	4-6	8	1.327	6.400	1.550	7.100	0.122	0.131	65
Aluminum	0.630	4-6	8	1.250	6.125	1.500	5.330	0.125	0.134	65

Above conforms to EMMA 557-99