



**NILES FENCE & SECURITY
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Expanded metal mesh for Security Fencing

STYLE	GALVANIZED	DIAMOND SIZE		DIAMOND OPENING SIZE		STRAND SIZE		%
	WEIGHT PER	(INCHES)		(INCHES)		(INCHES)		OPEN
	SQ. FOOT	SWD	LWD	SWO	LWO	WIDTH	THICKNESS	AREA
Standard - Carbon Steel								
1/2" -13R	1.74	0.500	1.20	0.312	0.938	0.096	0.090	57
1/2" -13R (.188)	3.1	0.500	1.20	0.220	0.630	0.188	0.090	25
3/4" -9R	1.98	0.923	2.00	0.688	1.562	0.150	0.134	68
1" -7R (.240)	3.7	1.000	2.40	0.650	1.600	0.240	0.170	52
1" -7R (.300)	4.79	0.875	2.20	0.450	1.550	0.275	0.183	39-41
1-1/2" -6R	2.75	1.330	3.00	1.110	2.313	0.203	0.194	69
1-1/2" -9R	1.31	1.330	3.00	1.125	2.375	0.144	0.134	76
2" -9R	0.99	1.850	4.00	1.563	3.375	0.149	0.134	84
Flattened - Carbon Steel								
1/2" - 13F	1.61	0.500	1.25	0.265	1.000	0.107	0.078	52
3/4" - 9F	1.88	0.923	2.10	0.563	1.688	0.165	0.120	63
1-1/2" - 9F	1.25	1.330	3.20	1.000	2.563	0.158	0.110	75
Stainless Steel - (nominal weight only, no galvanize) #304								
1/2" -13R	1.87	0.480	1.20	0.270	0.830	0.113	0.093	52
3/4" -9R	2.05	0.923	2.00	0.687	1.562	0.160	0.140	67
1-1/2" -9R	1.37	1.330	3.00	1.125	2.500	0.155	0.140	77
Flattened Stainless Steel - (nominal weight only, no galvanize) #304								
1/2" -13R	1.78	0.48	1.26	0.220	0.970	0.128	0.080	47
3/4" -9R	1.95	0.923	2.10	0.562	1.697	0.165	0.119	61
1-1/2" -9R	1.31	1.330	3.15	0.937	2.625	0.165	0.119	75
Aluminum - (nominal weight only, no galvanize)								
1/2" - .081	0.44	0.500	1.20	0.375	0.937	0.096	0.081	60
3/4" - .125	0.65	0.923	2.00	0.687	1.680	0.169	0.125	68
1-1/2" - .125	0.43	1.330	3.00	1.187	2.500	0.162	0.125	79
Flattened Aluminum - (nominal weight only, no galvanize)								
1/2" - .081	0.42	0.500	1.27	0.312	1.000	0.105	0.060	58
3/4" - .125	0.62	0.923	2.13	0.625	1.750	0.187	0.095	62
1-1/2" - .125	0.41	1.330	3.15	1.000	2.750	0.181	0.095	70

* Expanded metal mesh shall be subject to standard manufacturing tolerances. Standard Mesh: +/- 3/16" per foot of width on the SWD, +/- 1/2"-0" on LWD. Flattened Mesh +/- 3/16" per foot of width on the SWD, +/- 3/4" on LWD.