SERVICE . . . is our by-word

You, our customers, are our most valuable asset . . . and we at Howard Wire Cloth Co. realize the importance of "Prompt Service" and quality products in meeting your requirements.

Since 1938, Howard Wire Cloth Co. has emphasized this service from our Bay Area facilities. With our ever expanding product lines, we are proud to offer complete screening services; including a wide range of woven and welded screen, perforated and expanded metal products. In addition, we offer manufacturing facilities for your custom requirements including slitting, stamping and fabrication.

Feel free to call us on any of your requirements. Quality products, prompt service at fair prices are our standards of doing business.

Sincerely,

HOWARD WIRE CLOTH CO.

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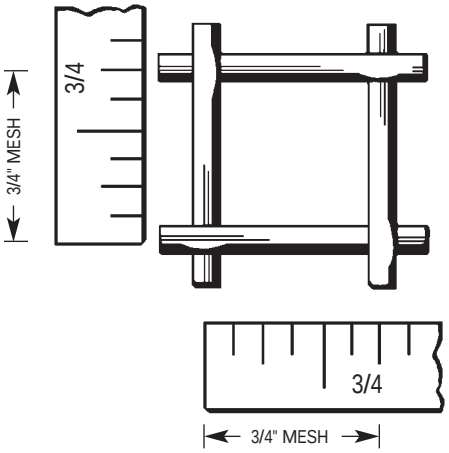
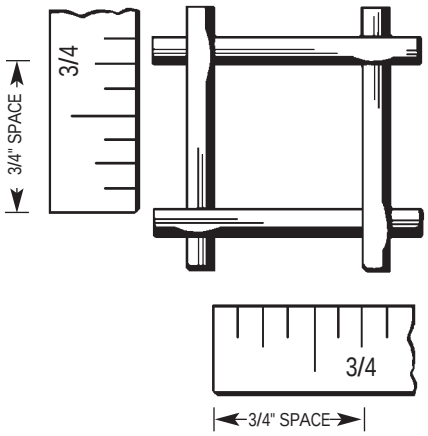
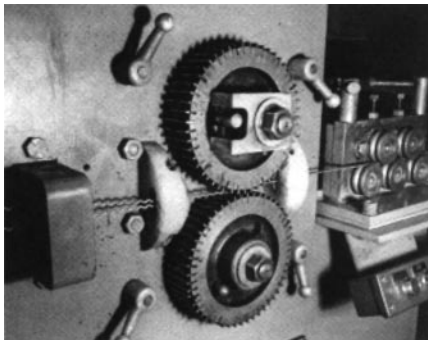
WIRE CLOTH TERMINOLOGY







Precrimping assures maximum rigidity with close tolerance mesh openings in accordance with customer specifications.

CALENDERED WIRE CLOTH. Wire cloth that has passed through a pair of heavy rollers to reduce the thickness of the fabric, or to flatten the intersection to provide a smooth surface.

CLEAR OPENING (also Space). Space between adjacent parallel wires.

COUNT (also Mesh). Number of openings in a linear inch.

CRIMP. Corrugations in wires to permit locking them into place when perpendicular to each other.

DOUBLE CRIMP. Wire pre-crimped prior to weaving; Warp and shute wires lay in each crimp.

DOUBLE INTERMEDIATE CRIMP. Usually the warp wires lay in every crimp in the shute wires, and the shute wires lay in every other crimp in the warp wires.

FILL WIRES (also Shute Wires). Wires running across the width of the cloth as woven.

GAUGE. Wire size. To avoid possible errors, specify wire diameter in decimal sizes rather than gauge numbers.

INTERMEDIATE CRIMP. Warp and shute wires lay in every other crimp.

LONG SLOT. Weave where shute wires are arranged in clusters to provide rectangular openings.

MARKET GRADES. Most commonly used sizes of industrial wire cloth specifications selected for general purpose work.

MESH. Number of openings in a linear inch measured from the center of one wire to a point 1" distant.

MICRONIC MESH. A woven filter cloth with a nominal micron rating as low as 2.0 with excellent flow characteristics.

OPEN AREA. The proportion of open space in a total screen area; Expressed as a percentage.

OPENING (Space). Clear opening between adjacent parallel wires; Not affected by diameter of the wire.

PLAIN WEAVE. Each warp wire and shute wire pass over one and under the next adjacent wire; Wires are crimped in the weaving operation.

PLAIN DUTCH WEAVE. Warp wires are generally larger than the shute wires. Shute wires are closely spaced to provide a dense weave with wedge shaped openings.

RECTANGULAR OPENINGS. Long dimension of an opening can be specified as parallel or perpendicular to the length.

REVERSE DUTCH WEAVE. Woven in which the larger count of wires is found in the warp and the smaller count in the shute, thus reversing the method used in plain and twilled Dutch weaves.

SELVAGE. Finished edges running the length of the roll to prevent unraveling.

SHUTE WIRES. Wires running across the width of the cloth as woven.

SQUARE MESH. Wire cloth with mesh count the same in both directions.

TWILLED WEAVE. Each warp wire and each shute wire pass successively over two and under the next adjacent pair of wires.

TWILLED DUTCH DOUBLE WEAVE. Same as twilled Dutch except the shute wires are smaller and overlap, thus increasing the number of shute wires in a linear inch to provide greater density.

WARP WIRES. Wires running the length of the cloth as woven.

WELDED WIRE CLOTH. Warp and shute wires lay flat (no crimp); Welded at intersections.

ORDERING INFORMATION

When ordering, requesting samples or making inquiries, please furnish specifications as complete as possible and the intended use to help insure full satisfaction.

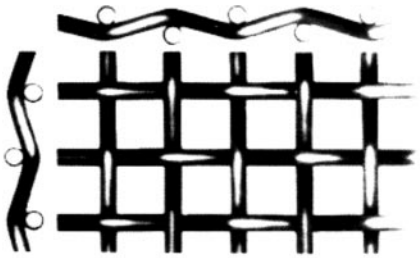
Example:
Square mesh
14 mesh
Standard
.020" wire diameter
Stainless steel, type 304 SS
Unfinished edge or custom
100 ft., 36" wide

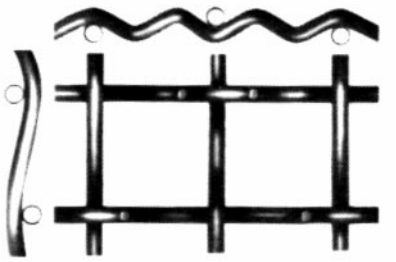
INFORMATION NEEDED

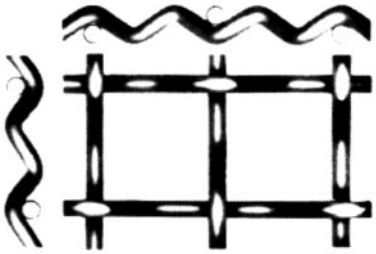
Type: Square Mesh, Hardware Cloth, Bolting Cloth, Filter Cloth
Mesh: Number of Openings Per Lineal Inch, or Size of Openings
Weave: Standard, Dutch, Plain, or Twilled
Wire Diameter: In Decimals, First Warp Then Shute if Different Sizes
Metal: Include Alloy
Special Treatment: Such as Special Crimps, Calendering, Selvage
Quantity/Dimensions: Length and Width
Intended Use: Include Operating Temperatures, Corrosive Agents, Other

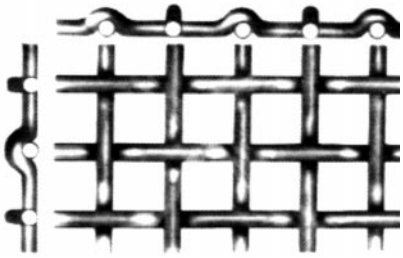
FABRICATED PARTS

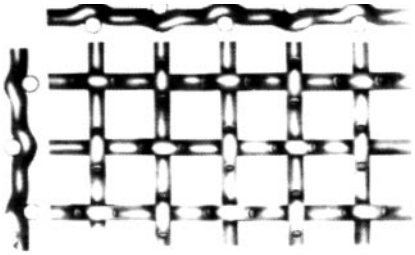
Ideally, we prefer a sample for a quotation and production guide. If not available, please furnish a drawing or print including intended use. NOTE: Basket dimensions are taken as inside dimensions unless specified otherwise.

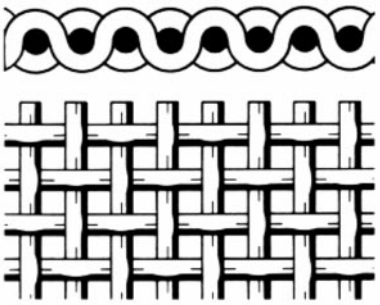

Double Crimp

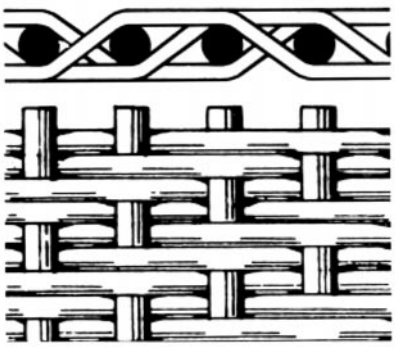

Double Intermediate Crimp

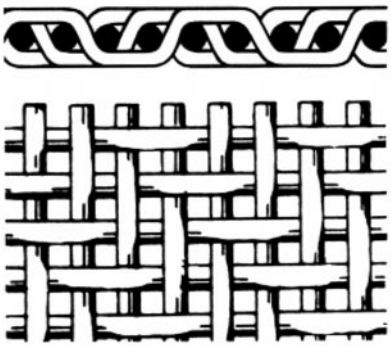

Inter Crimp

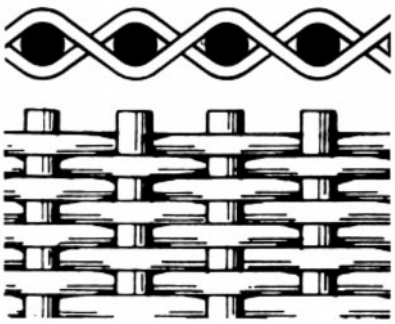

Flat Top Crimp


Lock Crimp


Plain Weave


Twilled Dutch Weave


Twilled Weave


Plain Dutch Weave

Technical Information – Call for Availability

1" Mesh .120" Wire

1" MESH CENTER TO CENTER

DIAMETER OF WIRE IN INCHES	WIDTH OF OPENING IN INCHES	% OF OPEN AREA	LBS. PER SQ. FT. PLAIN STEEL
.331	.669	44.8%	7.387
.307	.693	48.0%	6.312
.283	.717	51.4%	5.328
.263	.737	54.3%	4.579
.250	.750	56.3%	4.124
.225	.775	60.1%	3.321
.207	.793	62.9%	2.801
.192	.808	65.3%	2.403
.177	.823	67.7%	2.037
.162	.838	70.2%	1.702
.148	.852	72.6%	1.417
.135	.865	74.8%	1.177
.120	.880	77.4%	.928
.105	.895	80.1%	.710
.092	.908	82.4%	.544
.080	.920	84.6%	.411
.072	.928	86.1%	.333
.063	.937	87.8%	.255

5/8" MESH CENTER TO CENTER

DIAMETER OF WIRE IN INCHES	WIDTH OF OPENING IN INCHES	% OF OPEN AREA	LBS. PER SQ. FT. PLAIN STEEL
.283	.342	30.0%	9.004
.263	.362	33.5%	7.686
.250	.375	36.0%	6.894
.225	.400	41.0%	5.510
.207	.418	44.7%	4.624
.192	.433	48.0%	3.950
.177	.448	51.4%	3.335
.162	.463	54.9%	2.777
.148	.477	58.3%	2.305
.135	.490	61.5%	1.910
.120	.505	65.3%	1.502
.105	.520	69.2%	1.145
.092	.533	72.7%	.879
.080	.545	76.0%	.661
.072	.553	78.3%	.535
.063	.562	80.9%	.409
.054	.571	83.5%	.300
.047	.578	85.5%	.227

3/4" Mesh .092" Wire

3/4" MESH CENTER TO CENTER

DIAMETER OF WIRE IN INCHES	WIDTH OF OPENING IN INCHES	% OF OPEN AREA	LBS. PER SQ. FT. PLAIN STEEL
.307	.443	34.9%	8.054
.283	.467	38.8%	7.303
.263	.487	42.1%	6.256
.250	.500	44.4%	5.623
.225	.525	49.0%	4.510
.207	.543	52.4%	3.794
.192	.558	55.3%	3.248
.177	.573	58.3%	2.747
.162	.588	61.4%	2.292
.148	.602	64.4%	1.905
.135	.615	67.2%	1.581
.120	.630	70.5%	1.244
.105	.645	73.9%	.950
.092	.658	76.9%	.728
.080	.670	79.8%	.549
.072	.678	81.7%	.445
.063	.687	83.9%	.340
.054	.696	86.1%	.249

2 MESH

DIAMETER OF WIRE IN INCHES	WIDTH OF OPENING IN INCHES	% OF OPEN AREA	LBS. PER SQ. FT. PLAIN STEEL
.250	.250	25.0%	8.946
.225	.275	30.3%	7.106
.207	.293	34.3%	5.938
.192	.308	37.9%	5.055
.177	.323	41.7%	4.254
.162	.338	45.7%	3.533
.148	.352	49.6%	2.924
.135	.365	53.3%	2.417
.120	.380	57.8%	1.896
.105	.395	62.4%	1.442
.092	.408	66.6%	1.102
.080	.420	70.6%	.830
.072	.428	73.3%	.671
* .063	.437	76.4%	.512
.054	.446	79.6%	.376
.047	.453	82.1%	.284
.041	.459	84.3%	.216
.035	.465	86.5%	.157

5/8" Mesh .054" Wire

2 Mesh .063" Wire

** Denotes Standard Market Grades*

Technical Information – Call for Availability

2-1/4 MESH

DIAMETER OF WIRE IN INCHES	WIDTH OF OPENING IN INCHES	% OF OPEN AREA	LBS. PER SQ. FT. PLAIN STEEL
.225	.219	24.3%	8.171
.207	.237	28.4%	6.809
.192	.252	32.2%	5.784
.177	.267	36.1%	4.857
.162	.282	40.3%	4.023
.148	.296	44.4%	3.325
.135	.309	48.3%	2.743
.120	.324	53.1%	2.148
.105	.339	58.2%	1.632
.092	.352	62.7%	1.245
.080	.364	67.1%	.937
.072	.372	70.1%	.757
.063	.381	73.5%	.578
.054	.390	77.0%	.423
.047	.397	79.8%	.320
.041	.403	82.2%	.243
.035	.409	84.7%	.177

2-1/2 MESH

DIAMETER OF WIRE IN INCHES	WIDTH OF OPENING IN INCHES	% OF OPEN AREA	LBS. PER SQ. FT. PLAIN STEEL
.225	.175	19.1%	9.293
.207	.193	23.3%	7.722
.192	.208	27.0%	6.544
.177	.223	31.1%	5.482
.162	.238	35.4%	4.531
.148	.252	39.7%	3.737
.135	.265	43.9%	3.078
.120	.280	49.0%	2.406
.105	.295	54.4%	1.824
.092	.308	59.3%	1.390
.080	.320	64.0%	1.044
.072	.328	67.2%	.843
.063	.337	71.0%	.643
.054	.346	74.8%	.471
.047	.353	77.9%	.356
.041	.359	80.6%	.270
.035	.365	83.3%	.197

2-3/4 MESH

DIAMETER OF WIRE IN INCHES	WIDTH OF OPENING IN INCHES	% OF OPEN AREA	LBS. PER SQ. FT. PLAIN STEEL
.177	.187	26.4%	6.134
.162	.202	30.9%	5.058
.148	.216	35.3%	4.163
.135	.229	39.7%	3.422
.120	.244	45.0%	2.670
.105	.259	50.7%	2.020
.092	.272	56.0%	1.537
.080	.284	61.0%	1.153
.072	.292	64.5%	.930
.063	.301	68.5%	.709
.054	.310	72.7%	.519
.047	.317	76.0%	.392
.041	.323	78.9%	.298
.035	.329	81.9%	.217

3 MESH

DIAMETER OF WIRE IN INCHES	WIDTH OF OPENING IN INCHES	% OF OPEN AREA	LBS. PER SQ. FT. PLAIN STEEL
.162	.171	26.3%	5.604
.148	.185	30.8%	4.602
.135	.198	35.3%	3.776
.120	.213	40.8%	2.939
.105	.228	46.8%	2.220
.092	.241	52.3%	1.687
.080	.253	57.6%	1.264
.072	.261	61.3%	1.019
.063	.270	65.6%	.776
* .054	.279	70.1%	.567
.047	.286	73.6%	.428
.041	.292	76.7%	.325
.035	.298	79.9%	.237
.032	.301	81.5%	.197

** Denotes Standard Market Grades*

2 Mesh .080" Wire

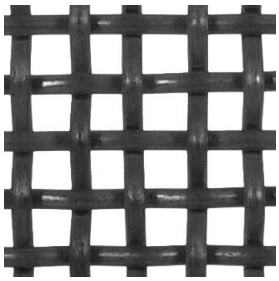
2 Mesh .105" Wire

3 Mesh .047" Wire

3 Mesh .063" Wire

Technical Information – Call for Availability

3 Mesh .080" Wire



3-1/2 Mesh .015" Wire

4 Mesh .035" Wire

4 Mesh .047" Wire

3-1/4 MESH

DIAMETER OF WIRE IN INCHES	WIDTH OF OPENING IN INCHES	% OF OPEN AREA	LBS. PER SQ. FT. PLAIN STEEL
.148	.160	27.0%	5.056
.135	.173	31.6%	4.140
.120	.188	37.3%	3.216
.105	.203	43.5%	2.424
.092	.216	49.3%	1.838
.080	.228	54.9%	1.376
.072	.236	58.8%	1.108
.063	.245	63.4%	.843
.054	.254	68.1%	.616
.047	.261	72.0%	.465
.041	.267	75.3%	.353
.035	.273	78.7%	.256
.032	.276	80.5%	.214

3-3/4 MESH

DIAMETER OF WIRE IN INCHES	WIDTH OF OPENING IN INCHES	% OF OPEN AREA	LBS. PER SQ. FT. PLAIN STEEL
.148	.119	19.9%	5.713
.135	.132	24.5%	4.659
.120	.147	30.4%	3.601
.105	.162	36.9%	2.845
.092	.175	43.1%	2.150
.080	.187	49.2%	1.604
.072	.195	53.5%	1.289
.063	.204	58.5%	.979
.054	.213	63.8%	.714
.047	.220	68.1%	.538
.041	.226	71.8%	.408
.035	.232	75.7%	.297
.032	.235	77.7%	.248

3-1/2 MESH

DIAMETER OF WIRE IN INCHES	WIDTH OF OPENING IN INCHES	% OF OPEN AREA	LBS. PER SQ. FT. PLAIN STEEL
.148	.138	23.3%	5.250
.135	.151	27.9%	4.290
.120	.166	33.8%	3.499
.105	.181	40.1%	2.632
.092	.194	46.1%	1.993
.080	.206	52.0%	1.489
.072	.214	56.1%	1.198
.063	.223	60.9%	.911
.054	.232	65.9%	.665
.047	.239	70.0%	.502
.041	.245	73.5%	.381
.035	.251	77.2%	.276
.032	.254	79.0%	.231

4 MESH

DIAMETER OF WIRE IN INCHES	WIDTH OF OPENING IN INCHES	% OF OPEN AREA	LBS. PER SQ. FT. PLAIN STEEL
.148	.102	16.6%	6.191
.135	.115	21.1%	5.038
.120	.130	27.0%	3.886
.105	.145	33.6%	3.062
.092	.158	39.9%	2.310
.080	.170	46.2%	1.721
.072	.178	50.7%	1.382
* .063	.187	56.0%	1.048
.054	.196	61.5%	.764
* .047	.203	65.9%	.576
.041	.209	69.9%	.436
.035	.215	74.0%	.317
.032	.218	76.0%	.264
.028	.222	78.9%	.202
.025	.225	81.0%	.161

** Denotes Standard Market Grades*

Technical Information – Call for Availability

4-1/2 MESH

DIAMETER OF WIRE IN INCHES	WIDTH OF OPENING IN INCHES	% OF OPEN AREA	LBS. PER SQ. FT. PLAIN STEEL
.120	.102	21.1%	4.479
.105	.117	27.7%	3.337
.092	.130	34.2%	2.639
.080	.142	40.8%	1.959
.072	.150	45.6%	1.570
.063	.159	51.2%	1.189
.054	.168	57.2%	.864
.047	.175	62.0%	.650
.041	.181	66.3%	.492
.035	.187	70.8%	.357
.032	.190	73.1%	.298
.028	.194	76.2%	.228
.025	.197	78.6%	.181

5-1/2 MESH

DIAMETER OF WIRE IN INCHES	WIDTH OF OPENING IN INCHES	% OF OPEN AREA	LBS. PER SQ. FT. PLAIN STEEL
.105	.077	17.9%	4.483
.092	.090	24.5%	3.173
.080	.102	31.5%	2.339
.072	.110	36.6%	1.963
.063	.119	42.8%	1.479
.054	.128	49.6%	1.071
.047	.135	55.1%	.803
.041	.141	60.1%	.607
.035	.147	65.4%	.439
.032	.150	68.1%	.366
.028	.154	71.7%	.279
.025	.157	74.6%	.222
.023	.159	76.5%	.188

5 MESH

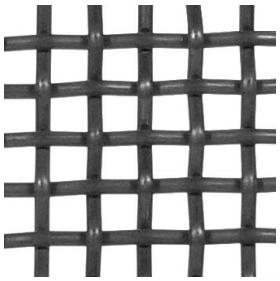
DIAMETER OF WIRE IN INCHES	WIDTH OF OPENING IN INCHES	% OF OPEN AREA	LBS. PER SQ. FT. PLAIN STEEL
.120	.080	16.0%	5.106
.105	.095	22.6%	3.787
.092	.108	29.2%	2.834
.080	.120	36.0%	2.206
.072	.128	41.0%	1.764
.063	.137	46.9%	1.332
.054	.146	53.3%	.967
.047	.153	58.5%	.726
* .041	.159	63.2%	.549
.035	.165	68.1%	.398
.032	.168	70.6%	.332
.028	.172	74.0%	.253
.025	.175	76.6%	.202
.023	.177	78.3%	.170

6 MESH

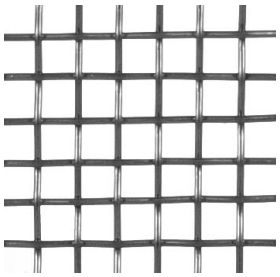
DIAMETER OF WIRE IN INCHES	WIDTH OF OPENING IN INCHES	% OF OPEN AREA	LBS. PER SQ. FT. PLAIN STEEL
.092	.075	20.2%	3.528
.080	.087	27.2%	2.591
.072	.095	32.5%	2.169
.063	.104	38.9%	1.630
.054	.113	46.0%	1.177
.047	.120	51.8%	.882
.041	.126	57.2%	.665
* .035	.132	62.7%	.481
.032	.135	65.6%	.400
.028	.139	69.6%	.305
.025	.142	72.6%	.243
.023	.144	74.7%	.205
.020	.147	77.8%	.155

** Denotes Standard Market Grades*

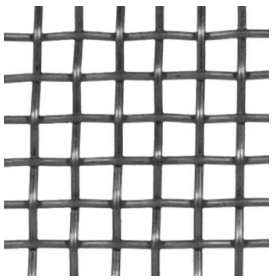
4 Mesh .063" Wire



4 Mesh .080" Wire

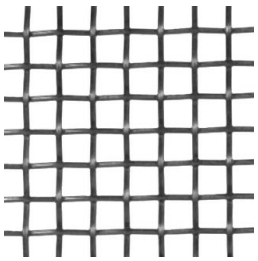


5 Mesh .041" Wire

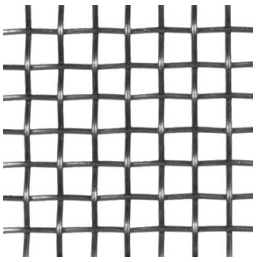


5 Mesh .047" Wire

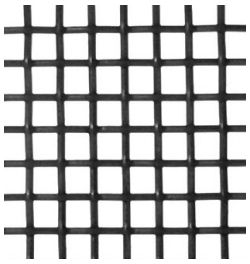
Technical Information – Call for Availability



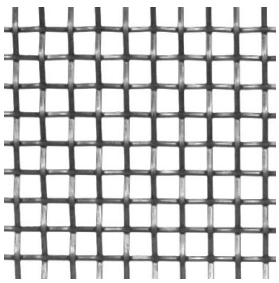
6 Mesh .032" Wire



6 Mesh .035" Wire



6 Mesh .047" Wire



7 Mesh .035" Wire

6-1/2 MESH

DIAMETER OF WIRE IN INCHES	WIDTH OF OPENING IN INCHES	% OF OPEN AREA	LBS. PER SQ. FT. PLAIN STEEL
.092	.062	16.2%	3.899
.080	.074	23.1%	2.851
.072	.082	28.4%	2.263
.063	.091	35.0%	1.696
.054	.100	42.3%	1.286
.047	.107	48.4%	.961
.041	.113	53.0%	.724
.035	.119	59.8%	.523
.032	.122	62.9%	.435
.028	.126	67.1%	.332
.025	.129	70.3%	.263
.023	.131	72.5%	.223
.020	.134	75.9%	.168

7-1/2 MESH

DIAMETER OF WIRE IN INCHES	WIDTH OF OPENING IN INCHES	% OF OPEN AREA	LBS. PER SQ. FT. PLAIN STEEL
.080	.053	15.8%	3.404
.072	.061	20.9%	2.687
.063	.070	27.6%	2.003
.054	.079	35.1%	1.510
.047	.086	41.6%	1.125
.041	.092	47.6%	.844
.035	.098	54.0%	.608
.032	.101	57.4%	.506
.028	.105	62.0%	.384
.025	.108	65.6%	.305
.023	.110	68.1%	.258
.020	.113	71.8%	.194
.018	.115	74.4%	.157

7 MESH

DIAMETER OF WIRE IN INCHES	WIDTH OF OPENING IN INCHES	% OF OPEN AREA	LBS. PER SQ. FT. PLAIN STEEL
.080	.063	19.5%	3.122
.072	.071	24.7%	2.472
.063	.080	31.4%	1.847
.054	.089	38.8%	1.397
.047	.096	45.2%	1.042
.041	.102	51.0%	.784
* .035	.108	57.2%	.565
.032	.111	60.4%	.470
.028	.115	64.8%	.358
.025	.118	68.2%	.284
.023	.120	70.6%	.240
.020	.123	74.1%	.181
.018	.125	76.6%	.146

8 MESH

DIAMETER OF WIRE IN INCHES	WIDTH OF OPENING IN INCHES	% OF OPEN AREA	LBS. PER SQ. FT. PLAIN STEEL
.072	.053	18.0%	2.911
.063	.062	24.6%	2.163
.054	.071	32.3%	1.627
.047	.078	38.9%	1.209
.041	.084	45.2%	.906
.035	.090	51.8%	.651
.032	.093	55.4%	.541
* .028	.097	60.2%	.411
.025	.100	64.0%	.326
.023	.102	66.6%	.275
.020	.105	70.6%	.207
.018	.107	73.3%	.168
.017	.108	74.6%	.149

* Denotes Standard Market Grades

Technical Information – Call for Availability

8-1/2 MESH

DIAMETER OF WIRE IN INCHES	WIDTH OF OPENING IN INCHES	% OF OPEN AREA	LBS. PER SQ. FT. PLAIN STEEL
.072	.046	15.3%	3.143
.063	.055	21.9%	2.328
.054	.064	29.6%	1.659
.047	.071	36.4%	1.294
.041	.077	42.8%	.968
.035	.083	49.8%	.695
.032	.086	53.4%	.577
.028	.090	58.5%	.438
.025	.093	62.5%	.348
.023	.095	65.2%	.293
.020	.098	69.4%	.221
.018	.100	72.3%	.178
.017	.101	73.7%	.159

9-1/2 MESH

DIAMETER OF WIRE IN INCHES	WIDTH OF OPENING IN INCHES	% OF OPEN AREA	LBS. PER SQ. FT. PLAIN STEEL
.063	.042	15.9%	2.673
.054	.051	23.5%	1.893
.047	.058	30.4%	1.471
.041	.064	37.0%	1.097
.035	.070	44.2%	.785
.032	.073	48.1%	.651
.028	.077	53.5%	.493
.025	.080	57.8%	.391
.023	.082	60.7%	.329
.020	.085	65.2%	.248
.018	.087	68.3%	.200
.017	.088	69.9%	.178
.016	.089	71.5%	.157

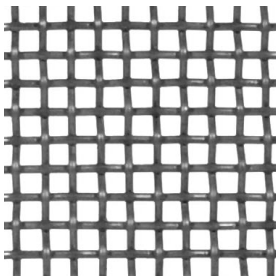
9 MESH

DIAMETER OF WIRE IN INCHES	WIDTH OF OPENING IN INCHES	% OF OPEN AREA	LBS. PER SQ. FT. PLAIN STEEL
.072	.039	12.3%	3.382
.063	.048	18.7%	2.498
.054	.057	26.3%	1.774
.047	.064	33.2%	1.382
.041	.070	39.7%	1.032
.035	.076	46.8%	.740
.032	.079	50.6%	.614
.028	.083	55.8%	.466
.025	.086	59.9%	.369
.023	.088	62.7%	.311
.020	.091	67.1%	.234
.018	.093	70.1%	.189
.017	.094	71.6%	.168
.016	.095	73.1%	.149

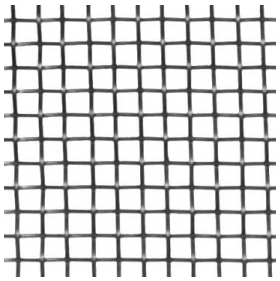
10 MESH

DIAMETER OF WIRE IN INCHES	WIDTH OF OPENING IN INCHES	% OF OPEN AREA	LBS. PER SQ. FT. PLAIN STEEL
.063	.037	13.7%	2.854
.054	.046	21.2%	2.015
.047	.053	28.1%	1.484
.041	.059	34.8%	1.163
.035	.065	42.3%	.831
.032	.068	46.2%	.688
.028	.072	51.8%	.521
* .025	.075	56.3%	.412
.023	.077	59.3%	.347
.020	.080	64.0%	.261
.018	.082	67.2%	.211
.017	.083	68.9%	.188
.016	.084	70.6%	.166
.015	.085	72.3%	.146

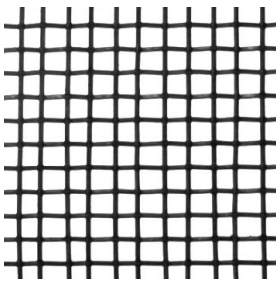
** Denotes Standard Market Grades*



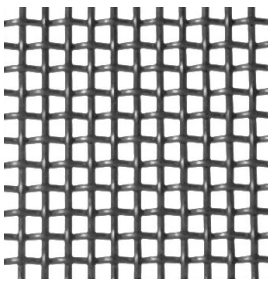
7 Mesh .047" Wire



8 Mesh .025" Wire

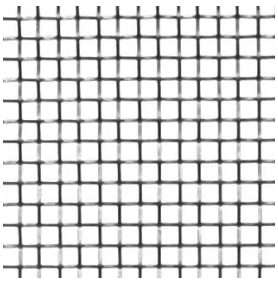


8 Mesh .032" Wire

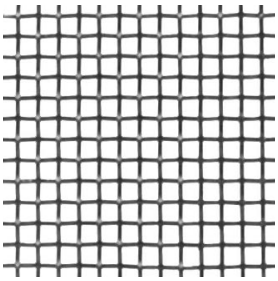


8 Mesh .047" Wire

Technical Information – Call for Availability



10 Mesh .020" Wire



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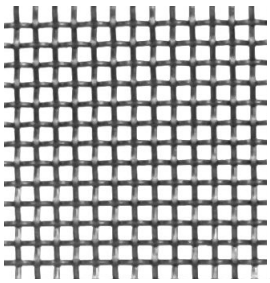
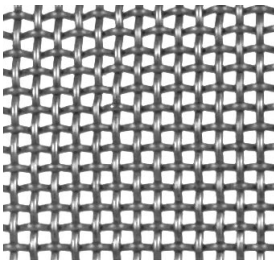


10 Mesh .035" Wire



10 Mesh .047" Wire

11 MESH

DIAMETER OF WIRE IN INCHES	WIDTH OF OPENING IN INCHES	% OF OPEN AREA	LBS. PER SQ. FT. PLAIN STEEL
.054	.037	16.6%	2.269
.047	.044	23.4%	1.663
.041	.050	30.3%	1.233
.035	.056	37.9%	.924
.032	.059	42.1%	.764
.028	.063	48.0%	.578
.025	.066	52.7%	.456
.023	.068	56.0%	.384
.020	.071	61.0%	.288
* .018	.073	64.5%	.233
.017	.074	66.3%	.207
.016	.075	68.1%	.183
.015	.076	69.9%	.161

12 MESH

DIAMETER OF WIRE IN INCHES	WIDTH OF OPENING IN INCHES	% OF OPEN AREA	LBS. PER SQ. FT. PLAIN STEEL
.047	.036	18.7%	1.851
.041	.042	25.4%	1.367
.035	.048	33.2%	1.021
.032	.051	37.5%	.843
.028	.055	43.6%	.635
.025	.058	48.4%	.501
* .023	.060	51.8%	.422
.020	.063	57.2%	.316
.018	.065	60.8%	.255
.017	.066	62.7%	.227
.016	.067	64.5%	.200
.015	.068	66.6%	.176
.014	.069	68.6%	.153

13 MESH

DIAMETER OF WIRE IN INCHES	WIDTH OF OPENING IN INCHES	% OF OPEN AREA	LBS. PER SQ. FT. PLAIN STEEL
.041	.036	21.9%	1.506
.035	.042	29.8%	1.064
.032	.045	34.2%	.923
.028	.049	40.6%	.694
.025	.052	45.7%	.547
.023	.054	49.3%	.459
.020	.057	54.9%	.344
.018	.059	58.8%	.277
.017	.060	60.8%	.246
.016	.061	62.9%	.218
.015	.062	65.0%	.191
.014	.063	67.1%	.166

14 MESH

DIAMETER OF WIRE IN INCHES	WIDTH OF OPENING IN INCHES	% OF OPEN AREA	LBS. PER SQ. FT. PLAIN STEEL
.041	.030	17.6%	1.650
.035	.036	25.4%	1.161
.032	.039	29.8%	1.005
.028	.043	36.2%	.755
.025	.046	41.5%	.593
.023	.048	45.2%	.498
* .020	.051	51.0%	.372
.018	.053	55.1%	.299
.017	.054	57.2%	.266
.016	.055	59.3%	.235
.015	.056	61.5%	.206
.014	.057	63.7%	.179
.0135	.0575	64.8%	.166
.013	.058	65.9%	.154
.012	.059	68.2%	.131
.011	.060	70.6%	.110
.010	.061	72.9%	.090

** Denotes Standard Market Grades*

Technical Information – Call for Availability

15 MESH

DIAMETER OF WIRE IN INCHES	WIDTH OF OPENING IN INCHES	% OF OPEN AREA	LBS. PER SQ. FT. PLAIN STEEL
.041	.026	15.2%	1.800
.035	.032	23.0%	1.262
.032	.035	27.6%	1.036
.028	.039	34.2%	.776
.025	.042	39.7%	.641
.023	.044	43.6%	.537
.020	.047	49.7%	.401
.018	.049	54.0%	.322
.017	.050	56.3%	.286
.016	.051	58.5%	.253
.015	.052	60.8%	.221
.014	.053	63.2%	.192
.0135	.0535	64.4%	.179
.013	.054	65.6%	.165
.012	.055	68.1%	.141
.011	.056	70.6%	.118
.010	.057	73.1%	.097

16 MESH

DIAMETER OF WIRE IN INCHES	WIDTH OF OPENING IN INCHES	% OF OPEN AREA	LBS. PER SQ. FT. PLAIN STEEL
.041	.0215	11.8%	1.956
.035	.0275	19.4%	1.366
.032	.0305	23.8%	1.119
.028	.0345	30.5%	.836
.025	.0375	36.0%	.689
.023	.0395	39.9%	.577
.020	.0425	46.2%	.430
* .018	.0445	50.7%	.345
.017	.0455	53.0%	.307
.016	.0465	55.4%	.271
.015	.0475	57.8%	.237
.014	.0485	60.2%	.206
.0135	.0490	61.5%	.191
.013	.0495	62.7%	.177
.012	.0505	65.3%	.150
.011	.0515	67.9%	.126
.010	.0525	70.6%	.104
.0095	.0530	71.9%	.094

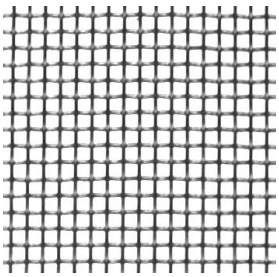
18 MESH

DIAMETER OF WIRE IN INCHES	WIDTH OF OPENING IN INCHES	% OF OPEN AREA	LBS. PER SQ. FT. PLAIN STEEL
.035	.0206	13.7%	1.584
.032	.0236	18.0%	1.294
.028	.0276	24.7%	.961
.025	.0306	30.3%	.750
.023	.0326	34.4%	.660
.020	.0356	41.1%	.490
.018	.0376	45.8%	.392
* .017	.0386	48.3%	.348
.016	.0396	50.8%	.307
.015	.0406	53.4%	.268
.014	.0416	56.1%	.233
.0135	.0421	57.4%	.216
.013	.0426	58.8%	.200
.012	.0436	61.6%	.170
.011	.0446	64.4%	.142
.010	.0456	67.4%	.117
.0095	.0461	68.9%	.105
.009	.0466	70.4%	.095

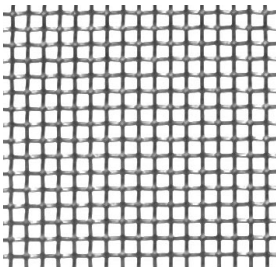
20 MESH

DIAMETER OF WIRE IN INCHES	WIDTH OF OPENING IN INCHES	% OF OPEN AREA	LBS. PER SQ. FT. PLAIN STEEL
.032	.0180	13.0%	1.479
.028	.0220	19.4%	1.093
.025	.0250	25.0%	.850
.023	.0270	29.2%	.708
.020	.0300	36.0%	.552
.018	.0320	41.0%	.441
.017	.0330	43.6%	.391
* .016	.0340	46.2%	.344
.015	.0350	49.0%	.301
.014	.0360	51.8%	.261
.0135	.0365	53.3%	.242
.013	.0370	54.8%	.224
.012	.0380	57.8%	.190
.011	.0390	60.8%	.159
.010	.0400	64.0%	.131
.0095	.0405	65.6%	.118
.009	.0410	67.2%	.105

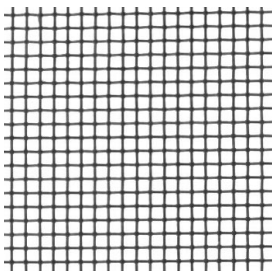
** Denotes Standard Market Grades*



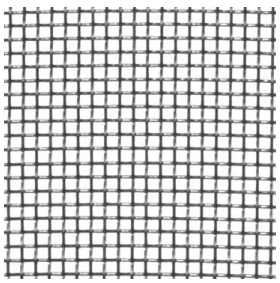
12 Mesh .023" Wire



12 Mesh .028" Wire

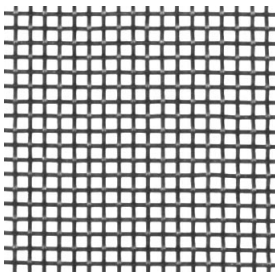


14 Mesh .018" Wire

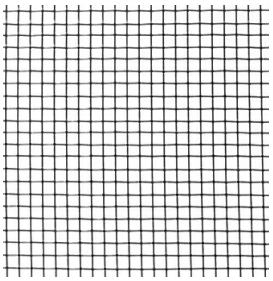


14 Mesh .020" Wire

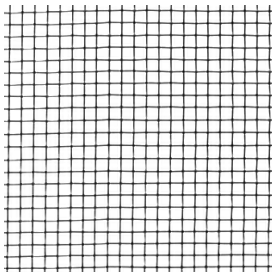
Technical Information – Call for Availability



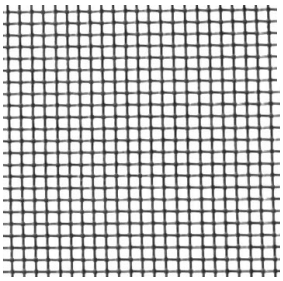
14 Mesh .025" Wire



16 Mesh .009" Wire



16 Mesh .011" Wire



16 Mesh .018" Wire

22 MESH

DIAMETER OF WIRE IN INCHES	WIDTH OF OPENING IN INCHES	% OF OPEN AREA	LBS. PER SQ. FT. PLAIN STEEL
.028	.0175	14.8%	1.232
.025	.0205	20.3%	.954
.023	.0225	24.5%	.793
.020	.0255	31.5%	.585
.018	.0275	36.6%	.491
.017	.0285	39.3%	.435
.016	.0295	42.1%	.382
.015	.0305	45.0%	.334
.014	.0315	48.0%	.289
.0135	.0320	49.6%	.268
.013	.0325	51.1%	.248
.012	.0335	54.3%	.210
.011	.0345	57.6%	.175
.010	.0355	61.0%	.144
.0095	.0360	62.7%	.130
.009	.0365	64.5%	.116

26 MESH

DIAMETER OF WIRE IN INCHES	WIDTH OF OPENING IN INCHES	% OF OPEN AREA	LBS. PER SQ. FT. PLAIN STEEL
.020	.0185	23.1%	.713
.018	.0205	28.4%	.566
.017	.0215	31.2%	.526
.016	.0225	34.2%	.461
.015	.0235	37.3%	.402
.014	.0245	40.6%	.347
.0135	.0250	42.3%	.321
.013	.0255	44.0%	.297
.012	.0265	47.5%	.251
.011	.0275	51.1%	.209
.010	.0285	54.9%	.172
.0095	.0290	56.9%	.155
.009	.0295	58.8%	.138
.0085	.0300	60.8%	.123
.008	.0305	62.9%	.109
.0075	.0310	65.0%	.095

24 MESH

DIAMETER OF WIRE IN INCHES	WIDTH OF OPENING IN INCHES	% OF OPEN AREA	LBS. PER SQ. FT. PLAIN STEEL
.025	.0167	16.1%	1.064
.023	.0187	20.1%	.882
.020	.0217	27.1%	.648
.018	.0237	32.4%	.515
.017	.0247	35.1%	.480
.016	.0257	38.0%	.421
.015	.0267	41.1%	.367
* .014	.0277	44.2%	.318
.0135	.0282	45.8%	.294
.013	.0287	47.4%	.272
.012	.0297	50.8%	.230
.011	.0307	54.3%	.192
.010	.0317	57.9%	.158
.0095	.0322	59.7%	.142
.009	.0327	61.6%	.127
.0085	.0332	63.5%	.113
.008	.0337	65.4%	.100
.0075	.0342	67.4%	.088

28 MESH

DIAMETER OF WIRE IN INCHES	WIDTH OF OPENING IN INCHES	% OF OPEN AREA	LBS. PER SQ. FT. PLAIN STEEL
.018	.0177	24.6%	.618
.017	.0187	27.4%	.545
.016	.0197	30.4%	.503
.015	.0207	33.6%	.437
.014	.0217	36.9%	.377
.0135	.0222	38.6%	.349
.013	.0227	40.4%	.322
.012	.0237	44.0%	.272
.011	.0247	47.8%	.227
.010	.0257	51.8%	.186
.0095	.0262	53.8%	.167
.009	.0267	55.9%	.150
.0085	.0272	58.0%	.133
.008	.0277	60.2%	.118
.0075	.0282	62.3%	.103

** Denotes Standard Market Grades*

Technical Information – Call for Availability

30 MESH

DIAMETER OF WIRE IN INCHES	WIDTH OF OPENING IN INCHES	% OF OPEN AREA	LBS. PER SQ. FT. PLAIN STEEL
.017	.0163	23.9%	.592
.016	.0173	26.9%	.518
.015	.0183	30.1%	.474
.014	.0193	33.5%	.408
.0135	.0198	35.3%	.378
.013	.0203	37.1%	.348
* .012	.0213	40.8%	.294
.011	.0223	44.8%	.245
.010	.0233	48.9%	.200
.0095	.0238	51.0%	.180
.009	.0243	53.1%	.161
.0085	.0248	55.4%	.143
.008	.0253	57.6%	.126
.0075	.0258	59.9%	.111

35 MESH

DIAMETER OF WIRE IN INCHES	WIDTH OF OPENING IN INCHES	% OF OPEN AREA	LBS. PER SQ. FT. PLAIN STEEL
.016	.0126	19.4%	.624
.015	.0136	22.7%	.541
.014	.0146	26.1%	.465
.0135	.0151	27.9%	.452
.013	.0156	29.8%	.416
.012	.0166	33.8%	.350
.011	.0176	37.9%	.290
.010	.0186	42.4%	.237
.0095	.0191	44.7%	.213
.009	.0196	47.1%	.190
.0085	.0201	49.5%	.169
.008	.0206	52.0%	.149
.0075	.0211	54.5%	.130
.007	.0216	57.2%	.113

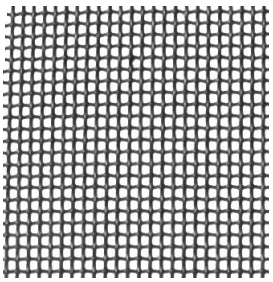
32 MESH

DIAMETER OF WIRE IN INCHES	WIDTH OF OPENING IN INCHES	% OF OPEN AREA	LBS. PER SQ. FT. PLAIN STEEL
.016	.0153	24.0%	.560
.015	.0163	27.2%	.486
.014	.0173	30.6%	.440
.0135	.0178	32.4%	.407
.013	.0183	34.3%	.375
.012	.0193	38.1%	.316
.011	.0203	42.2%	.263
.010	.0213	46.5%	.215
.0095	.0218	48.7%	.193
.009	.0223	50.9%	.173
.0085	.0228	53.2%	.153
.008	.0233	55.6%	.135
.0075	.0238	58.0%	.118
.007	.0243	60.5%	.103

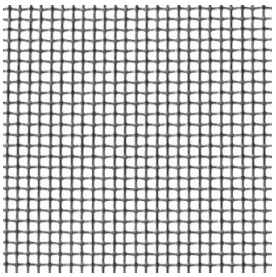
38 MESH

DIAMETER OF WIRE IN INCHES	WIDTH OF OPENING IN INCHES	% OF OPEN AREA	LBS. PER SQ. FT. PLAIN STEEL
.014	.0123	21.8%	.513
.0135	.0128	23.7%	.473
.013	.0133	25.5%	.436
.012	.0143	29.5%	.385
.011	.0153	33.8%	.319
.010	.0163	38.4%	.260
.0095	.0168	40.8%	.233
.009	.0173	43.2%	.208
.0085	.0178	45.8%	.185
.008	.0183	48.4%	.163
.0075	.0188	51.0%	.142
.007	.0193	53.8%	.123

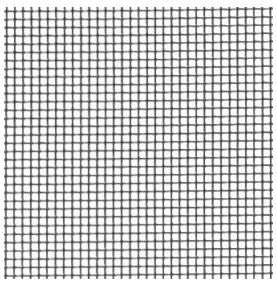
** Denotes Standard Market Grades*



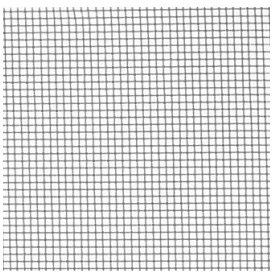
16 Mesh .025" Wire



18 Mesh .017" Wire

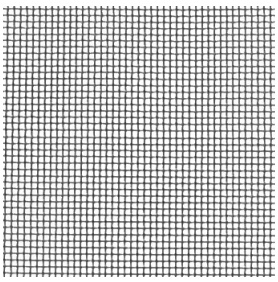


24 Mesh .014" Wire

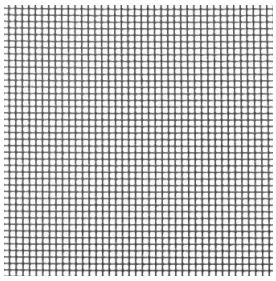


28 Mesh .0075" Wire

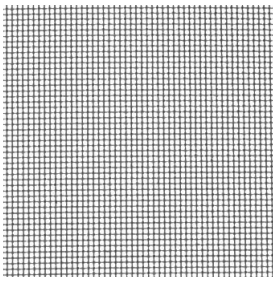
Technical Information – Call for Availability



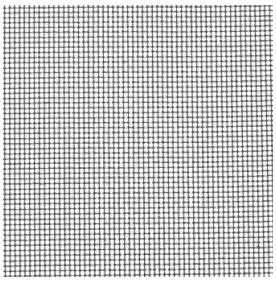
30 Mesh .0095" Wire



30 Mesh .012" Wire



35 Mesh .011" Wire



40 Mesh .0065" Wire

40 MESH

DIAMETER OF WIRE IN INCHES	WIDTH OF OPENING IN INCHES	% OF OPEN AREA	LBS. PER SQ. FT. PLAIN STEEL
.0135	.0115	21.2%	.530
.013	.0120	23.0%	.488
.012	.0130	27.0%	.409
.011	.0140	31.4%	.338
* .010	.0150	36.0%	.276
.0095	.0155	38.4%	.247
.009	.0160	41.0%	.220
.0085	.0165	43.6%	.195
.008	.0170	46.2%	.172
.0075	.0175	49.0%	.150
.007	.0180	51.8%	.130

42 MESH

DIAMETER OF WIRE IN INCHES	WIDTH OF OPENING IN INCHES	% OF OPEN AREA	LBS. PER SQ. FT. PLAIN STEEL
.0135	.0103	18.7%	.535
.013	.0108	20.6%	.518
.012	.0118	24.6%	.434
.011	.0128	28.9%	.358
.010	.0138	33.6%	.292
.0095	.0143	36.1%	.261
.009	.0148	38.6%	.233

45 MESH

DIAMETER OF WIRE IN INCHES	WIDTH OF OPENING IN INCHES	% OF OPEN AREA	LBS. PER SQ. FT. PLAIN STEEL
.013	.0092	17.1%	.536
.012	.0102	21.1%	.448
.011	.0112	25.4%	.369
.010	.0122	30.1%	.316
.0095	.0127	32.7%	.283
.009	.0132	35.3%	.252
.0085	.0137	38.0%	.223
.008	.0142	40.8%	.196
.0075	.0147	43.8%	.171

50 MESH

DIAMETER OF WIRE IN INCHES	WIDTH OF OPENING IN INCHES	% OF OPEN AREA	LBS. PER SQ. FT. PLAIN STEEL
.012	.0080	16.0%	.511
.011	.0090	20.3%	.420
.010	.0100	25.0%	.340
.0095	.0105	27.6%	.320
.009	.0110	30.3%	.284
.0085	.0115	33.1%	.251
.008	.0120	36.0%	.221
.0075	.0125	39.1%	.192

55 MESH

DIAMETER OF WIRE IN INCHES	WIDTH OF OPENING IN INCHES	% OF OPEN AREA	LBS. PER SQ. FT. PLAIN STEEL
.011	.0072	15.7%	.473
.010	.0082	20.3%	.382
.0095	.0087	22.9%	.340
.009	.0092	25.6%	.302
.0085	.0097	28.5%	.281
.008	.0102	31.5%	.246
.0075	.0107	34.6%	.214
.007	.0112	37.9%	.185

60 MESH

DIAMETER OF WIRE IN INCHES	WIDTH OF OPENING IN INCHES	% OF OPEN AREA	LBS. PER SQ. FT. PLAIN STEEL
.011	.0057	11.7%	.529
.010	.0067	16.2%	.426
.0095	.0072	18.7%	.379
.009	.0077	21.3%	.335
.0085	.0082	24.2%	.296
.008	.0087	27.2%	.273
* .0075	.0092	30.5%	.237
.007	.0097	33.9%	.204
.0065	.0102	37.5%	.174
.006	.0107	41.2%	.147

** Denotes Standard Market Grades*

Technical Information – Call for Availability

65 MESH

DIAMETER OF WIRE IN INCHES	WIDTH OF OPENING IN INCHES	% OF OPEN AREA	LBS. PER SQ. FT. PLAIN STEEL
.0075	.0079	26.4%	.260
.007	.0084	29.8%	.224
.0065	.0089	33.5%	.191

70 MESH

DIAMETER OF WIRE IN INCHES	WIDTH OF OPENING IN INCHES	% OF OPEN AREA	LBS. PER SQ. FT. PLAIN STEEL
.009	.0053	13.8%	.407
.0085	.0058	16.5%	.358
.008	.0063	19.4%	.313
.0075	.0068	22.7%	.271
.007	.0073	26.1%	.233
.0065	.0078	29.8%	.208
.006	.0083	33.8%	.175

75 MESH

DIAMETER OF WIRE IN INCHES	WIDTH OF OPENING IN INCHES	% OF OPEN AREA	LBS. PER SQ. FT. PLAIN STEEL
.007	.0063	22.3%	.253
.0065	.0068	26.0%	.226
.006	.0073	30.0%	.190

80 MESH

DIAMETER OF WIRE IN INCHES	WIDTH OF OPENING IN INCHES	% OF OPEN AREA	LBS. PER SQ. FT. PLAIN STEEL
.0075	.0050	16.0%	.319
.007	.0055	19.4%	.274
.0065	.0060	23.0%	.232
.006	.0065	27.0%	.204
* .0055	.0070	31.4%	.169
.005	.0075	36.0%	.138

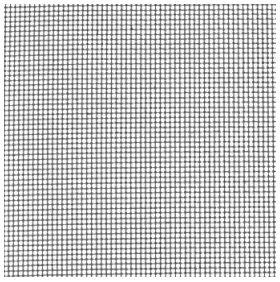
90 MESH

DIAMETER OF WIRE IN INCHES	WIDTH OF OPENING IN INCHES	% OF OPEN AREA	LBS. PER SQ. FT. PLAIN STEEL
.006	.0051	21.1%	.224
.0055	.0056	25.4%	.184
.005	.0061	30.1%	.158

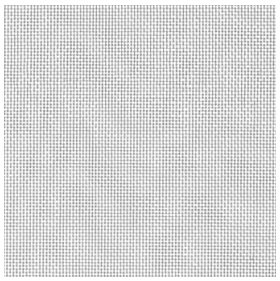
100 MESH

DIAMETER OF WIRE IN INCHES	WIDTH OF OPENING IN INCHES	% OF OPEN AREA	LBS. PER SQ. FT. PLAIN STEEL
.005	.0050	25.0%	.170
* .0045	.0055	30.3%	.142
.004	.0060	36.0%	.110
.0035	.0065	42.3%	.083
.003	.0070	49.0%	.060

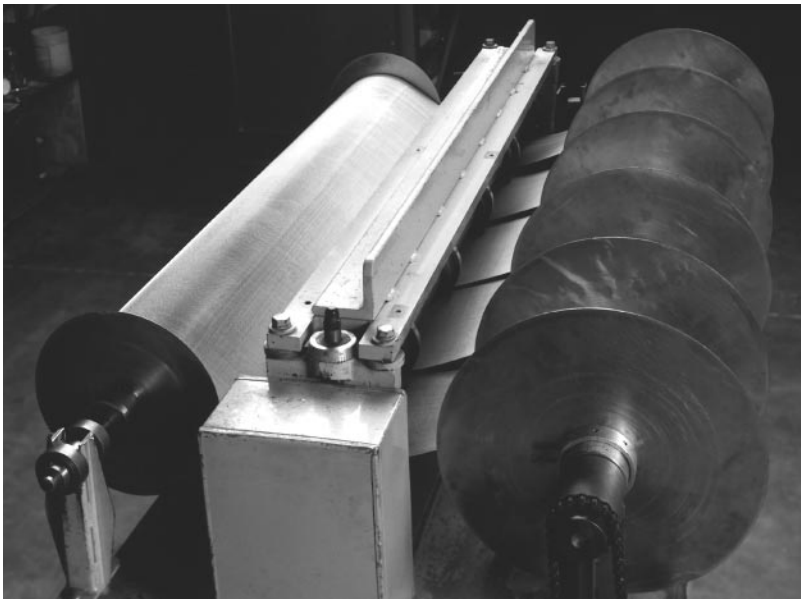
** Denotes Standard Market Grades*



40 Mesh .010" Wire



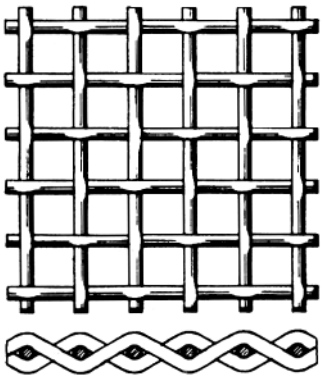
60 Mesh .0075" Wire



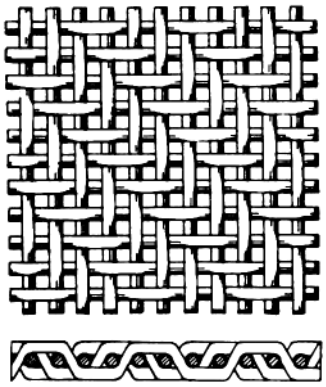
Technical Information – Call for Availability

FILTER GRADE WIRE CLOTH

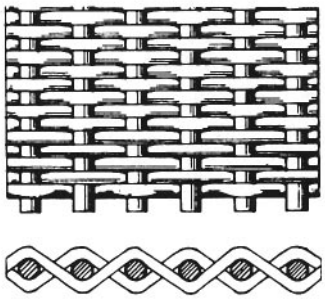
MESH PER INCH	WIRE DIAMETER INCH	WIDTH OF OPENING INCH	WIDTH OF OPENING MICRONS	% OF OPEN AREA	WEIGHT LBS. PER 100 SQ. FT.
PLAIN-WEAVE STANDARD					
100	.0045	.0055	140	30.2%	16.2
110	.004	.0051	130	31.4%	13.9
120	.0037	.0046	117	30.7%	13.0
130	.0034	.0043	109	31.1%	11.9
140	.0029	.0042	107	34.9%	9.3
150	.0026	.0041	104	37.4%	8.0
160	.0025	.0038	97	36.4%	7.9
170	.0024	.0035	89	35.1%	7.7
180	.0023	.0033	84	34.7%	7.5
200	.0021	.0029	74	33.6%	7.0
250	.0016	.0024	61	36.0%	5.1
325	.0011	.0020	51	42.0%	4.2
TWILLED-WEAVE STANDARD					
100	.0045	.0055	140	30.2%	16.2
110	.0045	.0046	117	25.6%	17.2
120	.0037	.0046	117	30.7%	13.0
130	.0038	.0039	99	25.6%	14.5
140	.0033	.0038	97	28.6%	11.8
150	.0028	.0039	91	33.9%	9.2
160	.0028	.0035	89	30.8%	9.6
170	.0026	.0033	84	31.2%	8.8
180	.0025	.0031	79	30.6%	8.6
200	.0023	.0027	69	29.1%	8.1
230	.0018	.00255	65	34.3%	5.8
250	.0016	.0024	61	36.0%	4.9
270	.0016	.0021	53	32.2%	5.3
300	.0015	.0018	46	29.7%	5.2
325	.0014	.0017	43	30.0%	4.9
400	.001	.0015	38	36.0%	3.7
500	.001	.001	25	25.0%	2.8



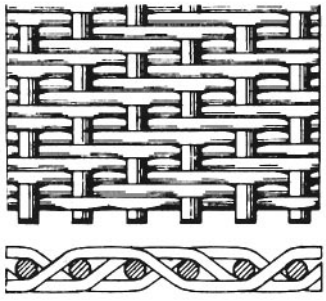
Plain Weave



Twilled Weave



Plain Dutch Weave



Twilled Dutch Weave

PLAIN DUTCH WEAVE
Plain Dutch Weave is primarily used as a filter cloth. The openings slant diagonally through the cloth and cannot be seen by looking directly at the cloth. This weave has a coarser mesh and wire in the warp direction and a finer mesh and wire in the shute direction, giving a very compact, firm mesh with great strength.

TWILLED DUTCH WEAVE
Twilled Dutch Weave offers higher strength than regular Dutch weaves. It packs even more wires in a given area. Generally, this weave has finer mesh counts and lower flow than regular Dutch weaves and can be made to filter particles as fine as 2 microns in diameter.

REVERSE DUTCH WEAVE
Reverse Dutch Weave is a filter cloth in which the larger count of wires is found in the warp and the smaller count in the shute, thus reversing the method used in Plain and Twilled Dutch Weaves. The warp wires have a smaller diameter than the shute wires and touch each other, while heavier shute wires are woven as tightly together as possible.

The result is the strongest filter weave available because of the semi-rectangular opening. It is exceptionally easy to clean or back-wash with no plugging. This filter cloth has an accurate and uniform pore size.

MESH COUNT PER INCH WARP x SHUTE	WIRE DIAMETER INCHES WARP x SHARP	NOMINAL MICRON RETENTION
PLAIN DUTCH WEAVE		
12 x 64	.023 x .0165	180
24 x 110	.015 x .0105	115
30 x 150	.009 x .007	95
30 x 160	.009 x .007	90
40 x 200	.007 x .0055	75
50 x 250	.0055 x .0045	60
TWILLED DUTCH WEAVE		
20 x 250	.0036 x .008	87
30 x 250	.010 x .008	70
80 x 700	.004 x .003	30-35
165 x 800	.0029 x .0020	25
165 x 1200	.0028 x .0016	19
165 x 1400	.0028 x .0016	14
200 x 600	.0026 x .0018	26
200 x 900	.0020 x .0014	23
200 x 1400	.0028 x .0016	10
250 x 1370	.0022 x .0016	8
250 x 1400	.0022 x .0016	8
250 x 1620	.0022 x .0015	7-8
325 x 1480	.0014 x .0012	7
325 x 1700	.0014 x .0012	6
325 x 1900	.0014 x .0011	5
325 x 2300	.0014 x .0011	5
325 x 2800	.0014 x .0010	4
375 x 2400	.0012 x .0009	2-4
400 x 2800	.0011 x .00078	2

TYPE (ABSOLUTE MICRON RATING)	MESH COUNT PER INCH WARP x SHUTE	AIR PERMEABILITY ($Nm^3/ha.20cm^2$) AT 2 mbar
15 - 17	1005 x 200	1.25
18 - 22	912 x 154	5.00
20 - 24	720 x 150	6.50
19 - 25	720 x 140	3.10
20 - 26	625 x 132	3.30
23 - 28	625 x 106	3.60
25 - 32	625 x 104	3.80
55 - 60	400 x 120 *	23.00
64 - 70	325 x 39 *	14.50
38 - 45	290 x 74	11.80
43 - 51	290 x 60	12.40
62 - 68	175 x 50	13.80
90 - 102	175 x 45	14.10
100 - 112	175 x 40	14.90
83 - 90	130 x 35	11.40
100 - 108	130 x 30	16.80

** Indicates those items woven in a twilled construction – reverse-twilled dutch weave*

STAINLESS STEEL BOLTING CLOTH

MESH PER LINEAR INCH	WIRE DIAMETER INCHES	WIDTH OF OPENING INCHES	OPEN AREA PERCENT	WEIGHT LBS./ 100 SQ. FT.
16	.0090	.0535	73.3%	8.6
18	.0090	.0466	70.2%	9.5
20	.0090	.0410	67.2%	10.5
22	.0075	.0380	69.7%	8.2
24	.0075	.0342	67.2%	8.8
26	.0075	.0310	64.8%	9.5
28	.0075	.0282	62.4%	10.3
30	.0065	.0268	64.8%	8.4
32	.0065	.0248	62.7%	9.0
34	.0065	.0229	60.7%	9.6
36	.0065	.0213	58.7%	10.2
38	.0065	.0198	56.7%	10.7
40	.0065	.0185	54.8%	11.3
42	.0055	.0183	59.1%	8.5
44	.0055	.0172	57.4%	8.9
46	.0055	.0162	55.8%	9.3
48	.0055	.0153	54.2%	9.7
50	.0055	.0145	52.6%	10.1
52	.0055	.0137	51.0%	10.5
54	.0055	.0130	49.4%	10.9
58	.0045	.0127	54.6%	7.8
60	.0045	.0122	53.3%	8.1
62	.0045	.0116	51.7%	8.4
64	.0045	.0111	50.7%	8.7
70	.0037	.0106	54.9%	6.0
72	.0037	.0102	53.8%	6.2
74	.0037	.0098	52.7%	6.4
76	.0037	.0095	51.7%	6.6
78	.0037	.0091	50.6%	6.8
80	.0037	.0088	49.6%	6.9
84	.0035	.0084	49.8%	6.9
88	.0035	.0079	47.9%	7.2
90	.0035	.0076	46.8%	7.3
94	.0035	.0071	45.0%	7.7
105	.0030	.0065	46.9%	6.3
120	.0025	.0058	49.0%	5.0
135	.0023	.0051	47.4%	4.8
145	.0022	.0047	46.4%	4.9
165	.0019	.0042	47.1%	4.2
200	.0016	.0034	46.2%	3.4
230	.0014	.0029	46.0%	3.0

Technical Information – Call for Availability

4" SPACE OR CLEAR OPENING

DIAMETER OF WIRE IN INCHES	% OF OPEN AREA	LBS. PER SQ. FT. PLAIN STEEL
1"	64.0%	13.06
3/4"	70.9%	7.68
11/16"	72.8%	6.53
5/8"	74.8%	5.46
9/16"	76.9%	4.47
1/2"	79.0%	3.58
7/16"	81.3%	2.77
3/8"	83.6%	2.07
5/16"	86.0%	1.45
.283"	87.2%	1.20
.263"	88.0%	1.04
.250"	88.6%	.94

3-3/4" SPACE OR CLEAR OPENING

DIAMETER OF WIRE IN INCHES	% OF OPEN AREA	LBS. PER SQ. FT. PLAIN STEEL
1"	62.3%	13.77
3/4"	69.4%	8.11
11/16"	71.4%	6.90
5/8"	73.5%	5.77
9/16"	75.7%	4.74
1/2"	77.9%	3.79
7/16"	80.2%	2.94
3/8"	82.6%	2.19
5/16"	85.2%	1.54
.283"	86.5%	1.27
.263"	87.3%	1.11
.250"	87.9%	1.00

3-1/2" SPACE OR CLEAR OPENING

DIAMETER OF WIRE IN INCHES	% OF OPEN AREA	LBS. PER SQ. FT. PLAIN STEEL
1"	60.5%	14.57
3/4"	67.8%	8.60
11/16"	69.9%	7.32
5/8"	72.0%	6.13
9/16"	74.3%	5.03
1/2"	76.6%	4.03
7/16"	79.0%	3.13
3/8"	81.6%	2.33
5/16"	84.3%	1.65
.283"	85.6%	1.36
.263"	86.5%	1.18
.250"	87.1%	1.07
.225"	88.3%	.87
.207"	89.1%	.74

3-1/4" SPACE OR CLEAR OPENING

DIAMETER OF WIRE IN INCHES	% OF OPEN AREA	LBS. PER SQ. FT. PLAIN STEEL
1"	58.5%	15.47
3/4"	66.0%	9.16
11/16"	68.1%	7.80
5/8"	70.3%	6.54
9/16"	72.6%	5.37
1/2"	75.0%	4.31
7/16"	77.6%	3.35
3/8"	80.4%	2.50
5/16"	83.2%	1.76
.283"	84.6%	1.46
.263"	85.6%	1.26
.250"	86.2%	1.15
.225"	87.5%	.93
.207"	88.4%	.79
.192"	89.2%	.69

3" SPACE OR CLEAR OPENING

DIAMETER OF WIRE IN INCHES	% OF OPEN AREA	LBS. PER SQ. FT. PLAIN STEEL
1"	56.3%	16.50
3/4"	64.0%	9.79
11/16"	66.2%	8.35
5/8"	68.5%	7.00
9/16"	70.9%	5.76
1/2"	73.5%	4.62
7/16"	76.2%	3.59
3/8"	79.0%	2.68
5/16"	82.0%	1.90
.283"	83.5%	1.57
.263"	84.5%	1.36
.250"	85.2%	1.23
.225"	86.5%	1.01
.207"	87.5%	.86
.192"	88.3%	.74
.177"	89.2%	.63
.162"	90.0%	.53

Technical Information – Call for Availability

2-3/4" SPACE OR CLEAR OPENING

DIAMETER OF WIRE IN INCHES	% OF OPEN AREA	LBS. PER SQ. FT. PLAIN STEEL
1"	53.7%	17.67
3/4"	61.7%	10.52
11/16"	64.0%	8.98
5/8"	66.4%	7.54
9/16"	68.9%	6.20
1/2"	71.6%	4.98
7/16"	74.4%	3.88
3/8"	77.4%	2.90
5/16"	80.6%	2.05
.283"	82.2%	1.70
.263"	83.3%	1.48
.250"	84.0%	1.34
.225"	85.4%	1.09
.207"	86.5%	.93
.192"	87.4%	.80
.177"	88.3%	.69
.162"	89.2%	.58
.148"	90.0%	.48

2-1/4" SPACE OR CLEAR OPENING

DIAMETER OF WIRE IN INCHES	% OF OPEN AREA	LBS. PER SQ. FT. PLAIN STEEL
1"	47.9%	20.61
3/4"	56.2%	12.37
11/16"	58.7%	10.58
5/8"	61.2%	8.90
9/16"	64.0%	7.34
1/2"	66.9%	5.91
7/16"	70.1%	4.62
3/8"	73.4%	3.46
5/16"	77.1%	2.46
.283"	78.9%	2.04
.263"	80.2%	1.77
.250"	81.0%	1.61
.225"	82.6%	1.31
.207"	83.9%	1.12
.192"	84.9%	.97
.177"	85.9%	.83
.162"	87.0%	.70
.148"	88.0%	.59
.135"	89.0%	.49

2-1/2" SPACE OR CLEAR OPENING

DIAMETER OF WIRE IN INCHES	% OF OPEN AREA	LBS. PER SQ. FT. PLAIN STEEL
1"	51.0%	19.02
3/4"	59.2%	11.37
11/16"	61.5%	9.71
5/8"	64.0%	8.16
9/16"	66.6%	6.72
1/2"	69.4%	5.41
7/16"	72.4%	4.22
3/8"	75.6%	3.16
5/16"	79.0%	2.24
.283"	80.7%	1.85
.263"	81.9%	1.61
.250"	82.6%	1.46
.225"	84.2%	1.19
.207"	85.3%	1.02
.192"	86.2%	.88
.177"	87.2%	.75
.162"	88.2%	.63
.148"	89.1%	.53

2" SPACE OR CLEAR OPENING

DIAMETER OF WIRE IN INCHES	% OF OPEN AREA	LBS. PER SQ. FT. PLAIN STEEL
1"	44.4%	22.49
3/4"	52.9%	13.57
11/16"	55.4%	11.62
5/8"	58.0%	9.79
9/16"	60.9%	8.09
1/2"	64.0%	6.53
7/16"	67.3%	5.11
3/8"	70.9%	3.84
5/16"	74.8%	2.73
.283"	76.7%	2.26
.263"	78.1%	1.97
.250"	79.0%	1.79
.225"	80.8%	1.46
.207"	82.1%	1.25
.192"	83.2%	1.08
.177"	84.4%	.92
.162"	85.6%	.78
.148"	86.7%	.65
.135"	87.8%	.55
.120"	89.0%	.44

Technical Information – Call for Availability

1-3/4" SPACE OR CLEAR OPENING

DIAMETER OF WIRE IN INCHES	% OF OPEN AREA	LBS. PER SQ. FT. PLAIN STEEL
1"	40.5%	24.76
3/4"	49.0%	15.03
11/16"	51.6%	12.90
5/8"	54.3%	10.88
9/16"	57.3%	9.01
1/2"	60.5%	7.29
7/16"	64.0%	5.71
3/8"	67.8%	4.30
5/16"	71.9%	3.07
.283"	74.1%	2.55
.263"	75.6%	2.22
.250"	76.6%	2.02
.225"	78.5%	1.65
.207"	80.0%	1.41
.192"	81.2%	1.22
.177"	82.5%	1.04
.162"	83.8%	.88
.148"	85.0%	.74
.135"	86.2%	.62
.120"	87.6%	.49

1-1/2" SPACE OR CLEAR OPENING

DIAMETER OF WIRE IN INCHES	% OF OPEN AREA	LBS. PER SQ. FT. PLAIN STEEL
1"	36.0%	27.57
3/4"	44.4%	16.86
11/16"	47.0%	14.50
5/8"	49.8%	12.27
9/16"	52.8%	10.18
1/2"	56.3%	8.25
7/16"	59.9%	6.48
3/8"	64.0%	4.90
5/16"	68.5%	3.50
.283"	70.8%	2.91
.263"	72.4%	2.54
.250"	73.4%	2.31
.225"	75.6%	1.89
.207"	77.2%	1.62
.192"	78.6%	1.40
.177"	80.0%	1.20
.162"	81.5%	1.02
.148"	82.8%	.85
.135"	84.2%	.72
.120"	85.7%	.57

1-3/8" SPACE OR CLEAR OPENING

DIAMETER OF WIRE IN INCHES	% OF OPEN AREA	LBS. PER SQ. FT. PLAIN STEEL
3/4"	41.9%	17.97
11/16"	44.4%	15.47
5/8"	47.3%	13.10
9/16"	50.4%	10.88
1/2"	53.8%	8.83
7/16"	57.6%	6.95
3/8"	61.7%	5.26
5/16"	66.4%	3.77
.283"	68.8%	3.14
.263"	70.5%	2.74
.250"	71.6%	2.49
.225"	73.9%	2.04
.207"	75.6%	1.75
.192"	77.0%	1.52
.177"	78.5%	1.30
.162"	80.0%	1.10
.148"	81.5%	.92
.135"	82.9%	.78
.120"	84.6%	.62

1-1/4" SPACE OR CLEAR OPENING

DIAMETER OF WIRE IN INCHES	% OF OPEN AREA	LBS. PER SQ. FT. PLAIN STEEL
3/4"	39.1%	19.22
11/16"	41.6%	16.57
5/8"	44.4%	14.06
9/16"	47.5%	11.70
1/2"	51.0%	9.51
7/16"	54.8%	7.50
3/8"	59.2%	5.69
5/16"	64.0%	4.08
.283"	66.5%	3.40
.263"	68.3%	2.97
.250"	69.4%	2.70
.225"	71.8%	2.22
.207"	73.6%	1.90
.192"	75.1%	1.65
.177"	76.7%	1.42
.162"	78.4%	1.20
.148"	79.9%	1.01
.135"	81.5%	.85
.120"	83.2%	.68
.105"	85.1%	.52

Technical Information – Call for Availability

1-1/8" SPACE OR CLEAR OPENING

DIAMETER OF WIRE IN INCHES	% OF OPEN AREA	LBS. PER SQ. FT. PLAIN STEEL
3/4"	36.0%	20.86
11/16"	38.5%	17.86
5/8"	41.3%	15.17
9/16"	44.4%	12.65
1/2"	47.9%	10.30
7/16"	51.8%	8.14
3/8"	56.3%	6.19
5/16"	61.2%	4.45
.283"	63.8%	3.71
.263"	65.7%	3.25
.250"	66.9%	2.96
.225"	69.4%	2.43
.207"	71.3%	2.08
.192"	73.0%	1.81
.177"	74.7%	1.55
.162"	76.4%	1.32
.148"	78.1%	1.11
.135"	79.7%	.93
.120"	81.7%	.74
.105"	83.7%	.58
.092"	85.5%	.45

1" SPACE OR CLEAR OPENING

DIAMETER OF WIRE IN INCHES	% OF OPEN AREA	LBS. PER SQ. FT. PLAIN STEEL
3/4"	32.6%	22.38
11/16"	35.1%	19.37
5/8"	37.9%	16.49
9/16"	41.0%	13.78
1/2"	44.4%	11.25
7/16"	48.4%	8.91
3/8"	52.9%	6.79
5/16"	58.0%	4.90
.283"	60.8%	4.09
.263"	62.7%	3.58
.250"	64.0%	3.26
.225"	66.6%	2.69
.207"	68.6%	2.31
.192"	70.4%	2.01
.177"	72.2%	1.72
.162"	74.0%	1.46
.148"	75.9%	1.23
.135"	77.6%	1.04
.120"	79.7%	.83
.105"	81.9%	.64
.092"	83.9%	.50
.080"	85.7%	.38

7/8" SPACE OR CLEAR OPENING

DIAMETER OF WIRE IN INCHES	% OF OPEN AREA	LBS. PER SQ. FT. PLAIN STEEL
5/8"	34.0%	18.06
9/16"	37.0%	15.13
1/2"	40.5%	12.38
7/16"	44.4%	9.84
3/8"	49.0%	7.52
5/16"	54.3%	5.44
.283"	57.1%	4.55
.263"	59.1%	3.99
.250"	60.5%	3.64
.225"	63.3%	3.01
.207"	65.3%	2.58
.192"	67.2%	2.25
.177"	69.2%	1.93
.162"	71.2%	1.64
.148"	73.5%	1.38
.135"	75.1%	1.17
.120"	77.3%	.93
.105"	79.7%	.72
.092"	81.9%	.56
.080"	83.9%	.43

3/4" SPACE OR CLEAR OPENING

DIAMETER OF WIRE IN INCHES	% OF OPEN AREA	LBS. PER SQ. FT. PLAIN STEEL
5/8"	29.7%	19.98
9/16"	32.6%	16.79
1/2"	36.0%	13.79
7/16"	39.9%	11.00
3/8"	44.4%	8.44
5/16"	49.8%	6.13
.283"	52.7%	5.15
.263"	54.8%	4.52
.250"	56.3%	4.12
.225"	59.2%	3.41
.207"	61.4%	2.93
.192"	63.4%	2.56
.177"	65.5%	2.20
.162"	67.6%	1.87
.148"	69.8%	1.58
.135"	71.8%	1.33
.120"	74.3%	1.07
.105"	76.9%	.83
.092"	79.3%	.65
.080"	81.7%	.50

Technical Information – Call for Availability

5/8" SPACE OR CLEAR OPENING

DIAMETER OF WIRE IN INCHES	% OF OPEN AREA	LBS. PER SQ. FT. PLAIN STEEL
9/16"	27.7%	18.87
1/2"	30.9%	15.57
7/16"	34.6%	12.47
3/8"	39.1%	9.61
5/16"	44.4%	7.03
.283"	47.4%	5.91
.263"	49.5%	5.20
.250"	51.0%	4.76
.225"	54.0%	3.94
.207"	56.4%	3.40
.192"	58.5%	2.97
.177"	60.7%	2.56
.162"	63.1%	2.18
.148"	65.4%	1.85
.135"	67.6%	1.56
.120"	70.3%	1.25
.105"	73.4%	.98
.092"	76.0%	.76
.080"	78.6%	.58
.072"	80.4%	.48
.063"	82.5%	.37

1/2" SPACE OR CLEAR OPENING

DIAMETER OF WIRE IN INCHES	% OF OPEN AREA	LBS. PER SQ. FT. PLAIN STEEL
1/2"	25.0%	16.96
7/16"	28.4%	14.42
3/8"	32.7%	11.19
5/16"	37.9%	8.24
.283"	40.8%	6.96
.263"	42.9%	6.14
.250"	44.4%	5.62
.225"	47.5%	4.68
.207"	49.8%	4.04
.192"	52.2%	3.54
.177"	54.5%	3.06
.162"	57.1%	2.61
.148"	59.5%	2.22
.135"	62.0%	1.88
.120"	65.0%	1.51
.105"	68.3%	1.18
.092"	71.3%	.93
.080"	74.3%	.71
.072"	76.4%	.58
.063"	78.9%	.45

7/16" SPACE OR CLEAR OPENING

DIAMETER OF WIRE IN INCHES	% OF OPEN AREA	LBS. PER SQ. FT. PLAIN STEEL
7/16"	25.0%	15.40
3/8"	29.0%	12.20
5/16"	34.0%	9.03
.283"	36.9%	7.64
.263"	39.0%	6.75
.250"	40.5%	6.19
.225"	43.6%	5.16
.207"	46.0%	4.47
.192"	48.3%	3.92
.177"	50.7%	3.40
.162"	53.2%	2.90
.148"	55.8%	2.47
.135"	58.4%	2.09
.120"	61.5%	1.69
.105"	65.0%	1.33
.092"	68.3%	1.04
.080"	71.5%	.80
.072"	73.7%	.66
.063"	76.4%	.51

3/8" SPACE OR CLEAR OPENING

DIAMETER OF WIRE IN INCHES	% OF OPEN AREA	LBS. PER SQ. FT. PLAIN STEEL
3/8"	25.0%	13.20
5/16"	29.7%	9.99
.283"	32.5%	8.48
.263"	34.5%	7.51
.250"	36.0%	6.89
.225"	39.0%	5.77
.207"	41.5%	5.00
.192"	43.8%	4.39
.177"	46.1%	3.82
.162"	48.7%	3.27
.148"	51.4%	2.79
.135"	54.1%	2.37
.120"	57.4%	1.92
.105"	61.0%	1.51
.092"	64.5%	1.18
.080"	67.9%	.91
.072"	70.4%	.75
.063"	73.3%	.59
.054"	76.4%	.44

Technical Information – Call for Availability

5/16" SPACE OR CLEAR OPENING

DIAMETER OF WIRE IN INCHES	% OF OPEN AREA	LBS. PER SQ. FT. PLAIN STEEL
.263"	29.5%	8.46
.250"	30.9%	7.78
.225"	33.8%	6.53
.207"	36.2%	5.68
.192"	38.4%	5.00
.177"	40.8%	4.36
.162"	43.4%	3.74
.148"	46.0%	3.20
.135"	48.8%	2.72
.120"	52.2%	2.21
.105"	56.0%	1.74
.092"	59.6%	1.37
.080"	63.4%	1.07
.072"	66.1%	.88
.063"	69.3%	.69
.054"	72.7%	.51

1/4" SPACE OR CLEAR OPENING

DIAMETER OF WIRE IN INCHES	% OF OPEN AREA	LBS. PER SQ. FT. PLAIN STEEL
.250"	25.0%	8.95
.225"	27.7%	7.55
.207"	29.9%	6.59
.192"	32.0%	5.82
.177"	34.3%	5.08
.162"	36.8%	4.38
.148"	39.4%	3.76
.135"	42.2%	3.21
.120"	45.6%	2.62
.105"	49.6%	2.07
.092"	53.4%	1.64
.080"	57.4%	1.28
.072"	60.3%	1.06
.063"	63.8%	.83
.054"	67.6%	.62
.047"	70.9%	.48

3/16" SPACE OR CLEAR OPENING

DIAMETER OF WIRE IN INCHES	% OF OPEN AREA	LBS. PER SQ. FT. PLAIN STEEL
.192"	24.4%	6.97
.177"	26.5%	6.12
.162"	28.8%	5.30
.148"	31.3%	4.57
.135"	33.8%	3.92
.120"	37.2%	3.22
.105"	41.1%	2.56
.092"	45.1%	2.04
.080"	49.1%	1.60
.072"	52.2%	1.33
.063"	56.0%	1.05
.054"	60.3%	.79
.047"	63.9%	.62
.041"	67.3%	.48

1/8" SPACE OR CLEAR OPENING

DIAMETER OF WIRE IN INCHES	% OF OPEN AREA	LBS. PER SQ. FT. PLAIN STEEL
.135"	23.1%	4.98
.120"	26.0%	4.19
.105"	29.5%	3.37
.092"	33.2%	2.71
.080"	37.2%	2.15
.072"	40.3%	1.79
.063"	44.2%	1.43
.054"	48.8%	1.09
.047"	52.8%	.85
.041"	56.7%	.67
.035"	61.0%	.50
.032"	63.4%	.43

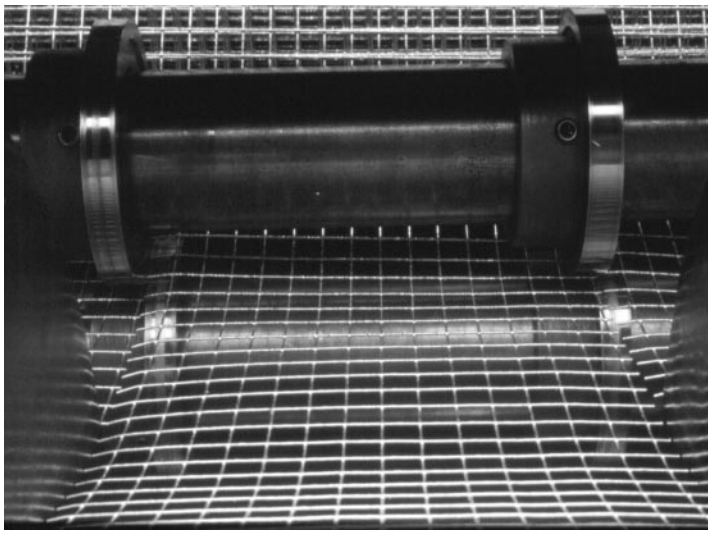
GALVANIZED HARDWARE CLOTH

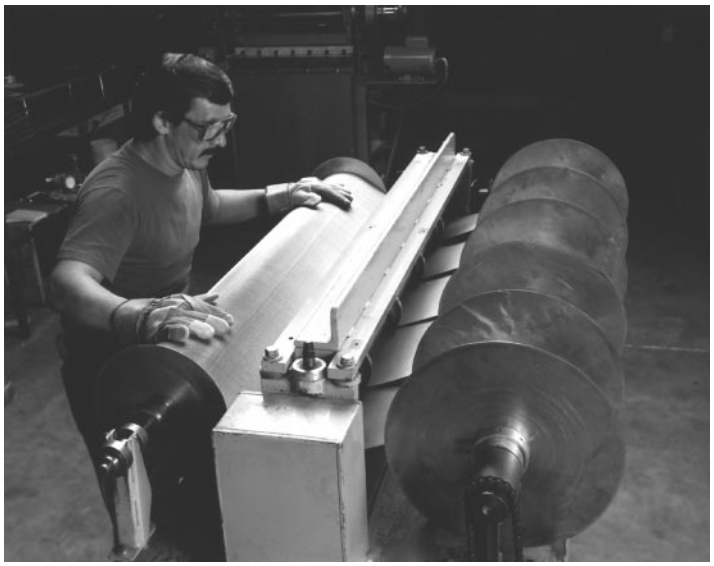
Galvanized Hardware Cloth is used for many industrial and commercial screening applications and is one of the most economical means of resisting rust and corrosion.

Applications include screens for vents, louvers, spark arrestors, finger guards, baskets, racks, trays, cages, dehydrators and miscellaneous sheet metal fabrications.

Looking for Something Heavier???
Please Call Us for Current Inventory

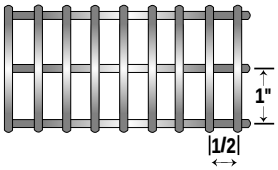
MESH	ASWG GAUGE	WIDTH INCHES	APPROX. WT. PER ROLL
2 x 2	19	18	38
	.041"	24	50
1/2" x 1/2"		30	63
		36	75
		48	100
		60	125
		72	150
4 x 4	23	24	49
	.025"	30	61
1/4" x 1/4"		36	73
		48	98
5 x 5	24	36	60
	.023"	48	80
7 x 7	27	48	55
	.017"		
8 x 8	27	24	41
	.017"	30	51
1/8" x 1/8"		36	61
		48	82



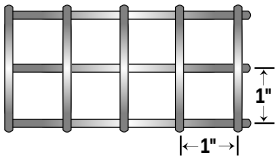


WELDED WIRE MESH (GALVANIZED BEFORE OR AFTER & PVC)

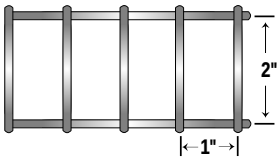
Resistance welded at every cross section or wire creating square or slotted openings, welded wire mesh is rigid and strong. Typical applications for welded wire mesh include security screens, filtration support screens, safety guards, animal cages, food processing, incubators and construction re-enforcement screens.



1/2" x 1"



1" x 1"



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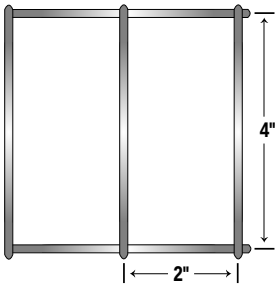


2" x 4"

GALVANIZED *BEFORE* WELDED
100' ROLLS

SPACING LINE x STAY	GAUGE	WIDTH	LBS./ROLL
1/2 x 1"	16	24"	76
		36"	114
		48"	152
1" x 1"	16	24"	52
		36"	75
		48"	100
	14	24"	84
1" x 2"	14	18"	43
		36"	93
		48"	124
		60"	155
		72"	186
2" x 2"	14	36"	39
		48"	52
		60"	54
4" x 2"	12.5	24"	48
		36"	72
		48"	96
		60"	120
		72"	144

GALVANIZED *AFTER* WELDED
100' ROLLS

SPACING LINE x STAY	GAUGE	WIDTH	LBS./ROLL
1/2" x 1"	16	24"	86
		36"	128
		48"	170
1/2" x 1/2"	16	36"	171
		48"	228
		60"	285
1" x 1"	14	24"	84
		36"	138
		48"	183
	12.5	36"	205
		48"	273
		72"	410
1" x 2"	14	24"	70
		36"	103
1" x 3"	10	48"	361
		60"	386
		72"	458
1/2" x 3"	12	* 36"	225
		* 48"	300

** Available in 50' rolls only*

STAINLESS STEEL TYPE 304 WELDED
100' ROLLS

SPACING LINE x STAY	GAUGE	WIDTH	LBS./ROLL
1/4" x 1/4"	22	36"	60
		48"	80
	21	36"	78
		48"	104
	18	48"	233
1/3" x 1/3"	18	36"	128
		48"	171
1/2" x 1/2"	18	36"	84
		48"	112
	16	36"	153
		* 48"	204
1/2" x 1"	16	48"	152
1/2" x 2"	16	48"	120
1" x 1"	25	36"	16
	16	48"	164
	14	36"	123
		* 48"	164
		60"	205
2" x 2"	12	60"	156

** Available in SS 316 also*

BLACK PVC COATED / WELDED
100' ROLLS

SPACING LINE x STAY	GAUGE	WIDTH	LBS./ROLL
1/2" x 1/2"	19	36"	78
		48"	110
	16	36"	210
		48"	278
1/2" x 1"	16	24"	100
		36"	151
		48"	200
		72"	300
1" x 1"	16	36"	84
		48"	110
	14	48"	220
		60"	274
		72"	330
1" x 2"	14	36"	79
		48"	99
		60"	129
		72"	186
2" x 2"	14	36"	79
		48"	99
		60"	129
	12	36"	131
		48"	173
		60"	214
		72"	259
2" x 4"	12	24"	67
		36"	99
		48"	131
		60"	163
		72"	195

AVIARY NETTING
(GALVANIZED AFTER WEAVING)
100 Foot Rolls

MESH/GAUGE	WIDTH	WT. PER ROLL
1/2" – 22 GA	24"	24#
	36"	36#
	48"	48#
	72"	72#

STAINLESS STEEL HEX NETTING
(ALSO MONEL)

MESH	WIRE	ROLL SIZE
1"	22 GA (.028)	48" x 150'
1"	20 GA (.035)	48" x 150'
2"	18 GA (.047)	48" x 150'

POULTRY NETTING
(GALVANIZED BEFORE WEAVING)
150 Foot Rolls

MESH/GAUGE	WIDTH	WT. PER ROLL
1" – 20 GA	12"	16#
	24"	32#
	* 36"	46#
	* 48"	62#
	* 60"	77#
	* 72"	92#
2" – 20 GA	12"	9#
	24"	16#
	36"	23#
	48"	31#
	60"	38#
	72"	46#

** Also available black PVC coated*

COPPER ROOT BARRIER SCREEN

Repairing sidewalks and other pavements damaged by tree roots is a major cost. Studies have shown that by digging a trench along the sidewalk edge nearest a tree and installing a 16 mesh .011" wire diameter Copper Wire Mesh, roots which regenerate get blocked. This material is always in stock at our Hayward, California facility.

WELDED WIRE MESH PANELS

MATERIAL	SHEET SIZE	MESH SIZE	GAUGE	WEIGHT
Plain Steel	48" x 120"	1" Centers	.192"	96#
	48" x 120"	1" Centers	.2437"	165#
	60" x 120"	2" Centers	.128"	25#
	48" x 120"	2" Centers	.192"	49#
	48" x 120"	2" Centers	.2437"	49#
	48" x 120"	2" Opening	.2437"	72#
	48" x 120"	3" Centers	.2437"	54#
	48" x 144"	3" Centers	.2437"	65#
	48" x 144"	4" Centers	.2437"	48#
	48" x 144"	4" Centers	.2437"	60#
Galvanized After	60" x 120"	2" Centers	.128"	29#
	60" x 192"	2 x 4 Centers	.192"	82#
Stainless Steel	48" x 120"	1" Centers	.120"	38#
	48" x 120"	2" Centers	.148"	25#

INSECT SCREEN
100 Foot Rolls

MESH	WIRE/THREAD		WIDTH	WT. PER SQ.FT.
Aluminum	18 x 16	.011	24" - 72"	.05 #
Fiberglass	18 x 16	.011	24" - 72"	.035#
Solar Screen	54 x 18	.011	24" - 72"	.055#
Galvanized	18 x 14	.009	36" & 48"	.09#
Bright Bronze	18 x 14	.011	36" & 48"	.146#
Copper	16 x 16	.011	36" & 48"	.146#
Plain Steel	18 x 14	.009	36" & 48"	.09#
Stainless Steel	18 x 14	.009	36" & 48"	.09#

FIREPLACE SCREEN

8 mesh .020" Black painted steel, available in stock width of 36" and 48". Also available in other widths in Mill run quantities. Has wide use as a speaker grill for decorative purposes as well.

Residential Composter made of 12 gauge wire, galvanized and PVC coated.

HOW TO ORDER

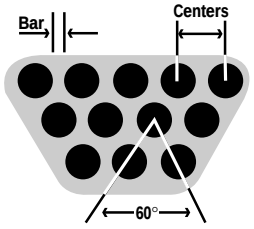
Please furnish a sample, print or sketch when available, and give:

- Number of Sheets Required
- Size of Sheets
- Type of Metal
- Thickness or Gauge of Metal Size, Shape and Arrangement of Perforations; Locations of Centers for Both Length and Width
- For Slotted Holes, Specify End or Side Stagger
- Approximate Size of Desired Margins

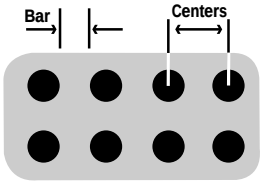
TABLE OF GAUGES FOR PERFORATED METAL

GAUGE	STEEL USS GAUGE REV. DECIMAL THICKNESS	STAINLESS USS GAUGE DECIMAL THICKNESS	ALUMINUM B&S GAUGE DECIMAL THICKNESS
32	.0100	.0100	.008
31	.0110	.0109	.009
30	.0120	.0125	.010
29	.0135	.0140	.011
28	.0149	.0156	.012
27	.0164	.0171	.014
26	.0179	.0187	.016
25	.0209	.0218	.018
24	.0239	.0250	.020
23	.0269	.0281	.022
22	.0299	.0312	.025
21	.0329	.0343	.028
20	.0359	.0375	.032
19	.0418	.0437	.036
18	.0478	.0500	.040
17	.0538	.0562	.045
16	.0598	.0625	.050
15	.0673	.0703	.056
14	.0747	.0781	.063
13	.0897	.0937	.071
12	.1046	.1093	.080
11	.1196	.1250	.090
10	.1345	.1406	.100
9	.1494	.1562	.112
8	.1644	.1718	.125
7	.1793	.1875	.140
6	-	-	.160
5	-	-	.190
4	-	-	-
3	-	-	-
2	-	-	-
1	-	-	-

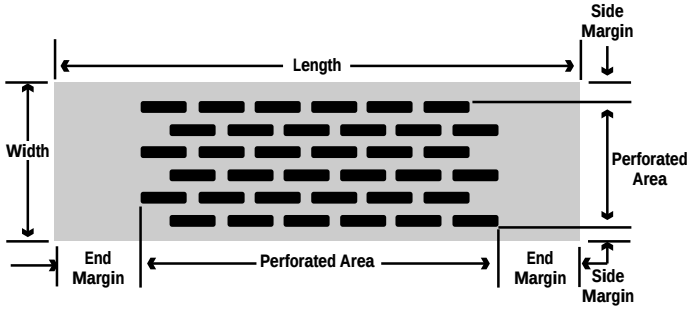
TYPES OF PERFORATED METALS



Round Perforations, Staggered, Standard Pattern

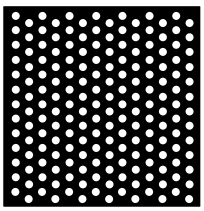


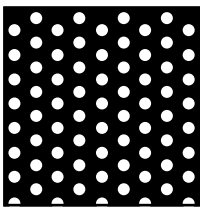
Round Perforations, Straight Line Pattern

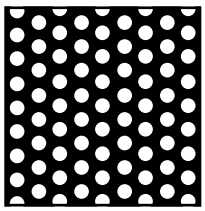


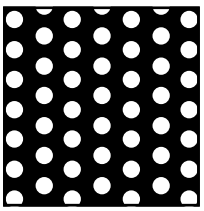
Sheet Resheared After Perforating with Margins Specified

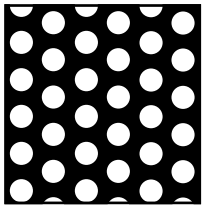
HOLE	CENTERS	OPEN AREA (%)	HOLES P.S.I.	SHEET SIZE	GAUGE
STEEL SHEET – STAGGERED HOLES					
1/32	1/16	22	295	36" x 120"	22
3/64	3/32	23	132	36" & 48" x 120"	22 thru 18
3/64	5/64	34	169	36" x 120"	24
1/16	1/8	23	74	36" & 48" x 120"	22, 20, 18, 16
5/64	1/8	36	74	36" & 48" x 120"	22, 20, 18, 16, 14
3/32	5/32	33	47	36" & 48" x 120"	20, 18, 16, 14
1/8	3/16	40	33	36" & 48" x 120"	24, 22, 20, 18, 16, 14,1 2, 11
1/8	7/32	29	24	36" & 48" x 120"	12
5/32	3/16	63	33	36" & 48" x 120"	24, 22, 20, 18, 16
3/16	1/4	51	18	36" & 48" x 120"	24, 22, 20, 18, 16, 14, 12
3/16	5/16	33	12	48" x 120"	20, 16, 10, 3/16
1/4	3/8	40	8	36" & 48" x 120"	20 thru 1/4
5/16	7/16	46	6	48" x 120"	18 thru 14, 10 thru 1/4"
3/8	9/16	40	4	36" & 48" x 120"	20, 16, 14, 12, 11, 10, 3/16, 1/4
1/2	11/16	48	2	36" & 48" x 120"	20, 16, 14, 11, 10, 3/16, 1/4
STEEL SHEET – STRAIGHT HOLES					
.027	.055	23	400	36" x 120"	26
STAINLESS STEEL TYPE 304 SHEET – STAGGERED HOLES					
.020	.044	20	625	36" x 120"	28
1/32	1/16	22	295	36" x 120"	26
.038	.065	34	303	36" x 120"	28
.045	.086	28	176	36" x 120"	24
3/64	5/64	34	169	36" x 120"	26, 24
.050	.083	32	163	36" x 120"	26, 24
1/16	1/8	23	74	36" x 120"	24, 22, 20
3/32	5/32	33	47	36" x 120"	24, 22, 20, 18, 16
1/8	3/16	40	33	36" & 48" x 120"	22, 20, 18, 16, 14
5/32	3/16	63	33	36" x 120"	20, 18
3/16	1/4	51	18	36" & 48" x 120"	22, 20, 18, 16, 14
1/4	3/8	40	8	36" & 48" x 120"	20, 16, 14
3/8	9/16	40	4	36" & 48" x 120"	16, 14
1/2	11/16	48	2	48" x 120"	20, 16
STAINLESS STEEL TYPE 304 SHEET – STRAIGHT HOLES					
.050	.066	45	230	36" x 120"	26
ALUMINUM SHEET GRADE 5052 H32 – STAGGERED HOLES					
3/64	5/64	34	169	36" x 120"	.032
.050	5/64	37	189	36" x 120"	.025
1/16	1/8	23	74	36" x 120"	.032, .040, .050, .063
3/32	5/32	33	47	36" x 120"	.020, .025, .032, .040, .050, .063
1/8	3/16	40	33	36" x 120"	.025, .032, .040, .050, .063, .125
5/32	3/16	63	33	36" x 120"	.032, .063
3/16	1/4	51	18	36" x 120"	.032, .040, .050, .063, .080
1/4	3/8	40	8	36" & 48" x 120"	.032, .040, .050, .063
ALUMINUM SHEET GRADE 5052 H32 – STRAIGHT HOLES					
.050	.066	45	230	36" x 120"	.040

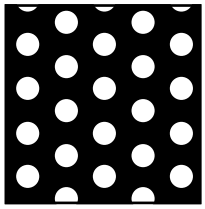

3/64" on 5/64"

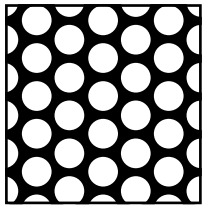

1/16" on 1/8"

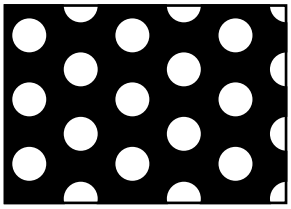

5/64" on 1/8"

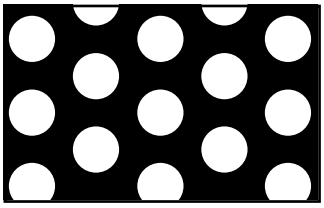

3/32" on 5/32"

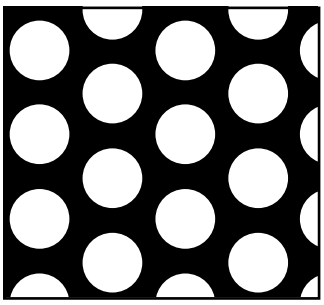

1/8" on 3/16"

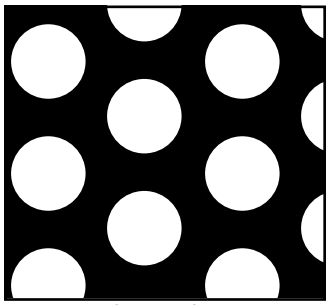

1/8" on 7/32"

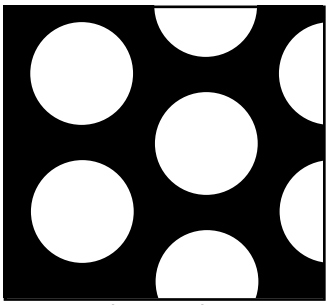

5/32" on 3/16"


3/16" on 1/4"


1/4" on 3/8"


5/16" on 7/16"


3/8" on 9/16"


1/2" on 11/16"

Most Commonly Used Patterns are Illustrated and/or Listed. Other Tooling is Available.
Please Consult Our Sales Staff for Further Information.

HOW TO ORDER

When specifying expanded metal, give complete specification to avoid possible error. Indicate style, standard or flattened, type of metal and sheet dimensions. “SWD” dimensions are always given before “LWD.”

Example: 1/2 #16 Flattened, Carbon Steel, 4' SWD x 8' LWD.

TERMINOLOGY

SWD. “Short Way of Diamond, or Design” dimension; First number in style designation.

LWD. “Long Way of Diamond, or Design” dimension; Not used in style designation.

SWO. “Short Way of Opening” dimension; Used as a reference point only, to determine clear opening in the short dimension.

LWO. “Long Way of Opening” dimension; Used as a reference point only, to determine clear opening in the long dimension.

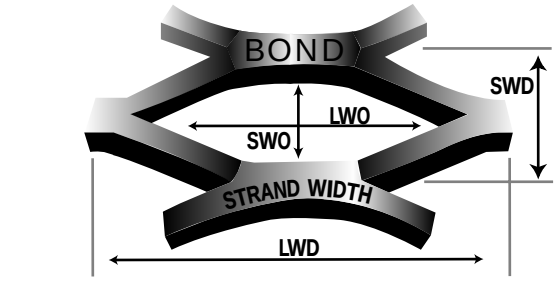
Design Size (Style). The first number designates nominal diamond pitch short way of design (SWD). The second number used in conjunction with the first number ***may*** specify the gauge of metal, weight per hundred square foot, or have some other significance. Therefore, word gauge should never be added to the design size or style.

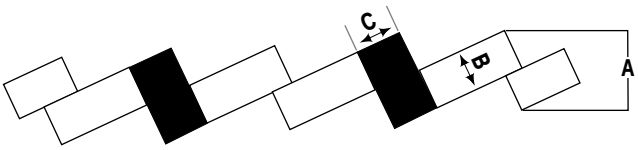
Strands. The thickness of the metal in expanded design.

Strand Thickness. Original thickness of metal before expanding.

Strand Width. Amount of metal between diamonds to produce one strand.

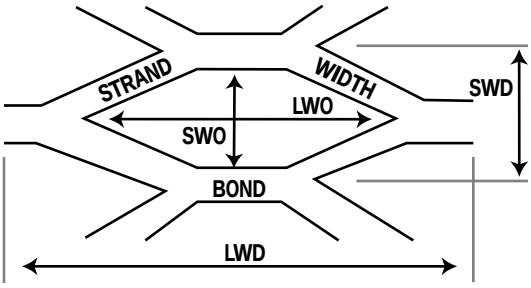
STANDARD EXPANDED METAL

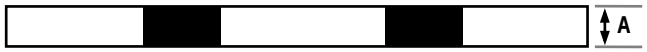




"A" = Overall Thickness
"B" = Strand Width
"C" = Strand Thickness

FLATTENED EXPANDED METAL





"A" = Overall Thickness and Strand Thickness

STYLE NO.	WGT. PER 100 SQ. FT. (LBS.)	DESIGN SIZE CTR. TO CTR. OF BRIDGES (IN INCHES) SWD	LWD	SIZE OF OPENING (INCHES) SWO	LWO	SIZE OF STRAND (INCHES) THICKNESS	WIDTH	STD SHEET SIZE (FEET) WIDE	LONG	USED GAUGE	% OPEN AREA
EXPANDED – FLATTENED ALUMINUM											
1/4" - .040"	34	.260	1.050	.219	.781	.034	.080	4	8	18 B&S	35
1/2" - .050"	25	.500	1.250	.313	1.0	.040	.100	4	8	16 B&S	64
1/2" - .080"	40	.500	1.250	.313	1.0	.060	.108	4	8	12 B&S	59
3/4" - .050"	16	.920	2.130	.75	1.188	.040	.130	4	8	16 B&S	76
3/4" - .080" LT.	30	.920	2.130	.688	1.75	.070	.140	4	8	12 B&S	72
3/4" - .080" HY.	38	.920	2.130	.688	1.75	.070	.180	4	8	12 B&S	65
3/4" - .125"	62	.920	2.130	.625	1.75	.095	.198	4	8	8 B&S	63
1 1/2" - .080"	20	1.330	3.135	1.063	2.75	.058	.168	4	8	12 B&S	77
1 1/2" - .125"	40	1.330	3.315	1.0	2.75	.080	.218	4	8	8 B&S	70
EXPANDED – REGULAR – ALUMINUM											
3/16"-.032"-.034"	15	.188	.500	.132	.320	.320	.034	4	4	20 B&S	72
3/16"-.032"-.050"	22	.200	.500	.124	.337	.032	.050	4	4	20 B&S	60
3/16"-.032"-.060"	25	.211	.500	.114	.320	.032	.060	4	4	20 B&S	52
3/16"-.032"-.070"	28	.220	.500	.093	.310	.032	.070	4	4	20 B&S	45
3/16"-.032"-.078"	32	.224	.500	.089	.300	.032	.078	4	4	20 B&S	42
1/4" - .050"	42	.255	1.000	.156	.719	.050	.073	4	8	16 B&S	44
1/2" - .040"	20	.500	1.200	.375	.938	.040	.090	4	8	18 B&S	67
1/2" - .050"	26	.500	1.200	.375	.938	.050	.092	4	8	16 B&S	65
1/2" - .063"	34	.500	1.200	.375	.938	.063	.094	4	8	14 B&S	65
1/2" - .080"	43	.500	1.200	.375	.938	.080	.094	4	8	12 B&S	65
3/4"- .050"	16	.920	2.000	.813	1.75	.050	.109	4	8	16 B&S	78
3/4" - .080" LT	32	.920	2.000	.75	1.688	.080	.126	4	8	12 B&S	78
3/4" - .080" HY	41	.920	2.000	.75	1.688	.080	.164	4	8	12 B&S	68
3/4" - .125"	65	.920	2.000	.688	1.688	.125	.170	4	8	8 B&S	68
1 1/2" - .063"	16	1.330	3.000	1.188	2.5	.063	.110	4	8	14 B&S	85
1 1/2" - .080"	21	1.330	3.000	1.188	2.5	.080	.130	4	8	12 B&S	83
1 1/2" - .125"	42	1.330	3.000	1.188	2.5	.125	.160	4	8	8 B&S	79
EXPANDED – REGULAR – STAINLESS STEEL – TYPE 304											
1/2" - No. 18	75	.500	1.200	.438	.938	.050	.088	4	8	18	73
1/2" - No. 16	94	.500	1.200	.438	.938	.062	.088	4	8	16	70
1/2" - No. 13	188	.500	1.200	.313	.875	.093	.120	4	8	13	70
3/4" - No. 18	50	.925	2.000	.813	1.75	.050	.108	4	8	18	87
3/4" - No. 16	62	.925	2.000	.813	1.75	.062	.108	4	8	16	89
3/4"- No. 13	93	.925	2.000	.75	1.688	.093	.110	4	8	13	81
3/4" - No. 9	205	.925	2.000	.688	1.5	.140	.160	4	8	10	70
1 1/2" - No. 16	45	1.335	3.000	1.25	2.75	.062	.116	4	8	16	92
1 1/2" - No. 13	70	1.335	3.000	1.25	2.625	.093	.114	4	8	13	80
1 1/2" - No. 9	137	1.335	3.000	1.125	2.625	.140	.155	4	8	10	82
EXPANDED – FLATTENED STAINLESS STEEL – TYPE 304											
1/2" - No. 18	70	.500	1.275	.313	1.0	.040	.099	4	8	18	58
1/2" - No. 16	88	.500	1.275	.313	1.0	.050	.099	4	8	16	54
1/2" - No. 13	178	.500	1.275	.25	1.0	.080	.099	4	8	13	54
3/4" - No. 18	48	.925	2.100	.75	1.188	.040	.128	4	8	18	76
3/4" - No. 16	59	.925	2.100	.75	1.188	.050	.126	4	8	16	73
3/4" - No. 13	88	.925	2.100	.625	1.75	.080	.120	4	8	13	72
3/4" - No. 9	197	.925	2.100	.625	1.625	.130	.170	4	8	10	65
1 1/2" - No. 16	43	1.335	3.150	1.063	2.75	.050	.128	4	8	16	81
1 1/2" - No. 13	68	1.335	3.150	1.0	2.625	.080	.126	4	8	13	75
1 1/2" - No. 9	135	1.335	3.150	1.0	2.5	.130	.170	4	8	10	72

STYLE NO.	WGT. PER 100 SQ. FT. (LBS.)	DESIGN SIZE CTR. TO CTR. OF BRIDGES (IN INCHES) SWD	LWD	SIZE OF OPENING (INCHES) SWO	LWO	SIZE OF STRAND (INCHES) THICKNESS	WIDTH	STD SHEET SIZE (FEET) WIDE	LONG	USED GAUGE	% OPEN AREA
EXPANDED - REGULAR - CARBON STEEL											
3/16" #26 .034"	27	.188	.500	.135	.324	.018	.034	4	4	26 USS	72
3/16" #26 .050"	38	.200	.500	.120	.346	.018	.050	4	4	26 USS	63
3/16" #26 .060"	43	.212	.500	.115	.328	.018	.060	4	4	26 USS	56
3/16" #26 .070"	48	.220	.500	.100	.324	.018	.070	4	4	26 USS	48
3/16" #26 .080"	54	.224	.500	.097	.309	.018	.080	4	4	26 USS	38
3/16"#24 .034"	36	.190	.500	.147	.353	.024	.034	4	4	24 USS	72
3/16" #24 .050"	50	.200	.500	.127	.348	.024	.050	4	4	24 USS	60
3/16" #24 .060"	57	.212	.500	.110	.318	.024	.060	4	4	24 USS	52
3/16" #24 .070"	64	.220	.500	.098	.310	.024	.070	4	4	24 USS	45
3/16" #24 .080"	72	.225	.500	.098	.305	.024	.080	4	4	24 USS	42
3/16" #22 .034"	45	.188	.500	.130	.315	.030	.034	4	4	22 USS	64
3/16" #22 .050"	63	.200	.500	.117	.312	.030	.050	4	4	22 USS	56
3/16" #22 .060"	71	.211	.500	.115	.314	.030	.060	4	4	22 USS	46
3/16" #22 .070"	80	.220	.500	.098	.311	.030	.070	4	4	22 USS	41
3/16" #22 .080"	90	.224	.500	.098	.302	.030	.080	4	4	22 USS	34
1/4" #20	86	.225	1.000	.172	.719	.036	.073	4	8&10	20	43
1/4" #18	114	.255	1.000	.172	.719	.048	.073	4	8&10	18	43
1/2" #40	40	.500	1.200	.438	.938	.048	.048	4	8&10	18	80
1/2" #20	43	.500	1.200	.438	.938	.036	.070	4	8&10	20	71
1/2" #18	70	.500	1.200	.375	.938	.048	.088	3,4,6	8&10	18	65
1/2" #16	86	.500	1.200	.359	.938	.060	.088	3,4,6	8&10	16	66
1/2" #13	146	.500	1.200	.348	.938	.090	.093	3,4,6	8&10	13	62
3/4" #34 LT.	34	.920	2.000	.813	1.75	.060	.060	4	8&10	16	86
3/4V #16 HY.	54	.920	2.000	.813	1.75	.060	.092	3,4,6	8&10	16	77
3/4" #13	80	.925	2.000	.75	1.688	.090	.096	3,4,6	8&10	13	76
3/4" #10	120	.925	2.000	.75	1.625	.090	.144	3,4	8&10	13	69
3/4" #9	180	.925	2.000	.75	1.5	.134	.148	3,4,6	8&10	10	69
1" #16	45	1.010	2.400	.938	2	.060	.095	4	8&10	16	85
1" #13	67	1.010	2.400	.938	2	.090	.096	4	8&10	13	79
1" #10	96	1.010	2.400	.875	2	.090	.136	4	8&10	13	75
1" #9	144	1.010	2.400	.875	1.938	.134	.140	4	8&10	10	69
1-1/2" #18	20	1.330	3.000	1.313	2.625	.048	.068	4,6	8&10	18	88
1-1/2" #16	40	1.330	3.000	1.25	2.625	.060	.108	4,6	8&10	16	85
1-1/2" #13	60	1.330	3.000	1.188	2.5	.090	.107	4,6	8&10	13	85
1-1/2" #10	79	1.330	3.000	1.188	2.5	.090	.140	4,6	8&10	13	81
1-1/2" #9	120	1.330	3.000	1.188	2.438	.134	.140	4,6	8&10	10	79
1-1/2" #6	245	1.330	3.000	1.063	2.25	.200	.200	4,6	8&10	3/16	68
2" #10	69	1.85	4.000	1.625	3.438	.090	.164	4,6	8&10	10	80
2" #9	91	1.85	4.000	1.625	3.375	.134	.144	4,6	8&10	13	82
EXPANDED - FLATTENED - CARBON STEEL											
1/4" #20	84	.258	1.050	.094	.781	.030	.086	4	8	20	35
1/4" #18	112	.258	1.050	.094	.781	.040	.085	4	8	18	35
1/2" #40	38	.500	1.250	.375	1	.040	.065	3,4	8&10	18	77
1/2" #20	40	.500	1.250	.375	1	.030	.074	3,4	8&10	20	65
1/2" #18	66	.500	1.250	.281	1	.040	.095	3,4	8&10	18	60
1/2" #16	80	.500	1.250	.25	1	.050	.100	3,4	8&10	16	60
1/2" #13	138	.500	1.250	.25	1	.070	.120	3,4	8&10	13	57
3/4" #34 LT.	32	.925	2.100	.156	1.188	.045	.078	3,4	8&10	16	84
3/4" #16 HY.	50	.925	2.100	.75	1.75	.048	.112	3,4	8&10	16	74
3/4" #14	65	.925	2.100	.688	1.813	.063	.115	3,4	8&10	14	73
3/4" #13	75	.925	2.100	.688	1.781	.070	.120	3,4	10	13	73
3/4" #9	170	.925	2.100	.625	1.688	.115	.160	3,4	10	10	65
1" #16	42	1.080	2.560	.875	2.25	.048	.115	4	8&10	16	78
1" #14	55	1.010	2.560	.875	2.25	.060	.120	4	8&10	14	77
1" #9	137	1.010	2.560	.875	2.25	.120	.156	4	8&10	10	61
1-1/2" #16	37	1.330	3.200	1.063	2.75	.050	.120	4	8&10	16	82
1-1/2" #14	46	1.330	3.200	1.063	2.75	.060	.127	4	8&10	14	80
1-1/2" #13	56	1.330	3.200	1.063	2.75	.070	.130	3,4	8&10	13	80
1-1/2" #9	112	1.330	3.200	1.063	2.625	.110	.165	3,4	8&10	10	75

The following general metal comparison is intended as a guide only to help you select the optimum metal for your application.

Virtually all metals can be woven into wire cloth. For best results, please describe the application on your order or discuss it with your metalurgist.

STEEL
Low carbon C1008 most commonly used. High carbon/hard drawn for high tenslie strength. Oil tempered high carbon for high tensile strength and good abrasion resistance.

STAINLESS STEEL
Long life under severe corrosion and temperature conditions . . . Type 304 SS is the most common . . . other types available as specified.

HEAT RESISTING ALLOYS
High nickel chromium and nickel copper alloys such as monel and inconel withstand temperatures up to 1800 degrees F . . . resist corrosion in acids, sea water and caustic solutions.

NICKEL
Excellent corrosion resistance in most environments except sulfurous conditions . . . most commonly used petrochemical and heat treating applications.

ALUMINUM
Light weight, good electrical conductor and resists atmospheric corosion . . . 5056 alloy is used for higher strength.

COPPER
Good formability with excellent electrical and thermal conductivity . . . resists corrosion from fresh and saltwater, alkaline solutions and atmosphere . . . low tensile strength.

BRASS
Most common 80% copper/20% zinc . . . good formability with lower thermal conductivity and higher tensile strength than copper . . . resists corrosion like copper.

BRONZE
Most common 90% copper/10% zinc . . . better corrosion resistance and lower strength than brass.

RARE METALS
Such as tantalum, molybdenum, silver and platinum can be furnished as specified.

APPROXIMATE MAXIMUM OPERATING TEMPERATURES (DEGREES FAHRENHEIT)

Stainless Steel 304	1500°
Incoloy	1600°
Stainless Steel 330	1650°
Nichrome	1700°
Inconel	1800°
Nichrome V	2000°
Nickel	2700°
Molybdenum	4700°

RESISTANCE OF METALS

	Brass	Copper	Inconel	Monel	Nickel	Nichrome	Stainless Steel	Steel
Alcohol	E	E	E	F	G	G	G	G
Alkalis	F	X	E	E	E	G	E	E
Ammonia	X	X	E	G	F	E	G	G
Amm. Sales	X	X	E	F	F	E	F	F
Brine	G	G	E	E	F	G	G	G
Cyanide	X	X	G	X	F	E	E	G
Hydrochloric	F	X	F	G	F	E	X	X
Hydrofluoric	X	F	G	E	F	F	X	X
Nitric	X	X	G	X	X	E	E	X
Sulphuric	F	F	F	G	F	E	X	X

E – Excellent G – Good F – Fair X – Not Recommended

CONVERSION FACTORS FOR VARIOUS METALS

The weights shown for square mesh are based on plain steel. To find the approixmate weight for wire manufactured of other metals, multiply the weight of plain steel wire by the appropriate factor given in the table below.

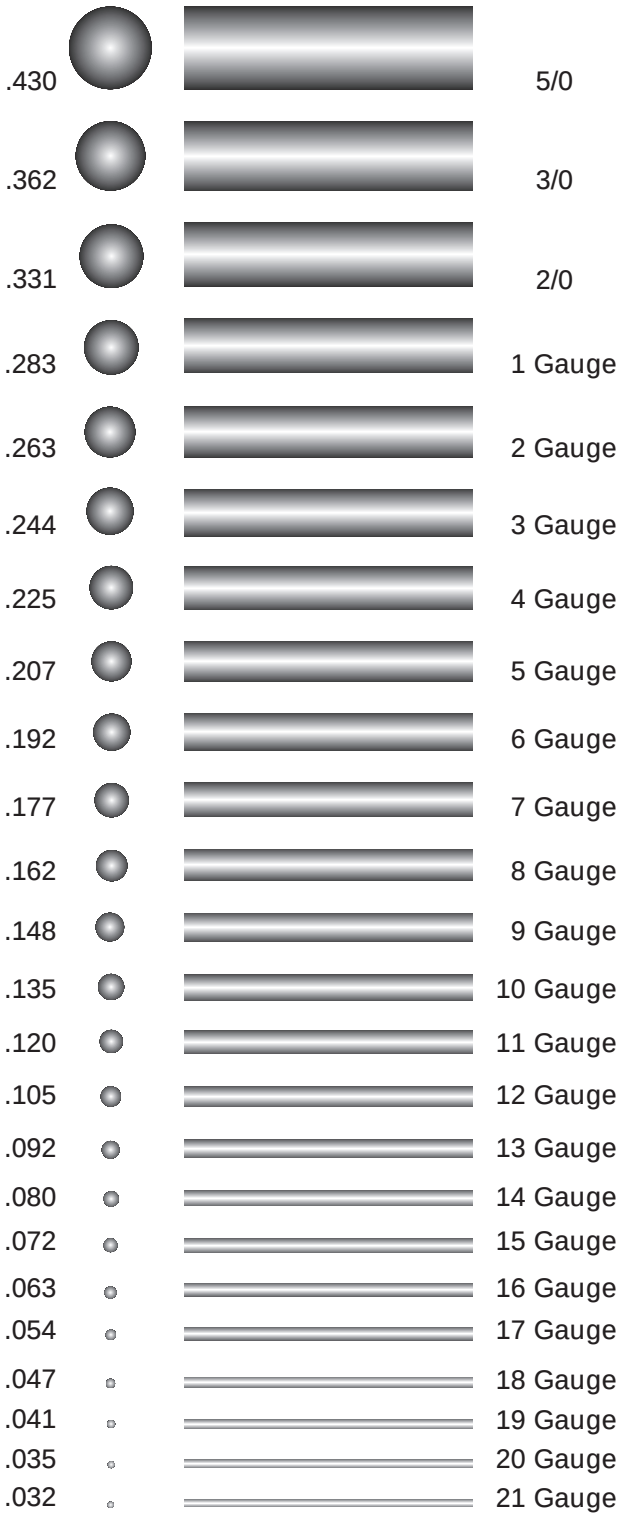
Aluminum (Pure)	0.347
Aluminum (5056-S)	0.342
Brass, High (70/30)	1.088
Brass, Low (80/20)	1.105
Bronze, Commercial (90/10)	1.123
Bronze, Phosphor (Grade A)	1.131
Copper	1.141
Gold	2.460
Hastelloy C-276	1.142
Incoloy	1.030
Inconel	1.090
Iron	1.002
Molybdenum	1.299
Monel	1.134
Nichrome I	1.045
Nicrhome V	1.066
Nickel	1.129
Platinum	2.731
Silver	1.336
Stainless Steel (302,304)	1.010
Steel	1.000
Tantalum	2.114
Titanium	.582
Tungsten	2.457

Table Showing Diameter of Wire by American Steel and Wire Gauge in Decimal Parts of an Inch.

ASWG GAUGE OF WIRE	DECIMAL SIZE OF WIRE
1	.2830
2	.2625
3	.2437
4	.2253
5	.2070
6	.1920
7	.1770
8	.1620
9	.1483
10	.1350
11	.1205
12	.1055
12-1/2	.1000
13	.0915
14	.0800
15	.0720
16	.0625
17	.0540
18	.0475
19	.0410
20	.0348
21	.0317
22	.0286
23	.0258
24	.0230
25	.0204
26	.0181
27	.0173
28	.0162
29	.0150
30	.0140
31	.0132
32	.0128
33	.0118
34	.0104
35	.0095
36	.0090
37	.0085
38	.0080
39	.0075
40	.0070

Typical diameter for steel or stainless steel. Metals such as aluminum, brass, copper or other alloys should be requested by decimal size of wire required.

STEEL WIRE GAUGE



MATERIAL	PRODUCT	FEDERAL	MILITARY	AMS	NOTES
302	WIRE	QQ-W-432b			COND. A or B
	WIRE & BARS	QQ-S-763d	MIL-S-7720 A		COND. A or B
	WIRE			5688	SPRING TEMPER
	LOCKWIRE	QQ-W-423b	MS20995C		FS302 COND. A
303S	WIRE			5640	
	BARS	QQ-S-764b	MIL-S-7720A		COND. A
303SE	WIRE				
	BARS	QQ-S-764b	MIL-S-7720A	5640	COND. A
304	WIRE	QQ-W-423b			COND. A or B
	WIRE & BARS	QQ-S-763d		5639	COND. A or B
	WIRE			5697	SOLUTION ANNEALED
	LOCKWIRE	QQ-W-423b	MS20995C		FS304 COND. A
304L	WIRE & BARS	QQ-S-763d			COND. A or B
	WELDING WIRE		MIL-R-5031B CL-15		
305	WIRE & BARS	QQ-S-763d			COND. A. or B
	LOCKWIRE			5685	FS305 COND. A
308	WELDING WIRE		MIL-R-5031B CL-1		
308L	WELDING WIRE		MIL-R-5031B CL-16		
309	WIRE & BARS	QQ-S-763d			COND. A. or B
	WELDING WIRE		MIL-R-5031B CL-2		
310	WIRE	QQ-W-423b			COND. A or B
	WIRE & BARS	QQ-S-763d		5651	COND. A or B
	WELDING WIRE		MIL-R-5031B CL-3	5694	
316	WIRE	QQ-W-423b			COND. A or B
	WIRE & BARS	QQ-S-763d	MIL-S-7720A	5684	COND. A or B
	LOCKWIRE	QQ-W-423b			FS316 COND. A
316L	WELDING WIRE		MIL-R-5031B CL-4	5690	
	WIRE & BARS	QQ-S-763d		5653	COND. A or B
	WELDING WIRE		MIL-R-5031B CL-17		
317	WIRE & BARS	QQ-S-763d			COND. A or B
317L	WIRE				
	WELDING WIRE				ASTM-317
321	WIRE & BARS	QQ-S-763d			COND. A or B
	LOCKWIRE			5689	COND. A
330	WIRE				COND. A or B
347	WIRE & BARS	QQ-S-763d		5646	COND. A or B
	WELDING WIRE		MIL-R-5031B CL-5	5680	
	WELDING WIRE		MIL-R-5031B CL-5A		
430	WIRE	QQ-W-423b			COND. A or B
	WIRE & BARS	QQ-S-763d			COND. A or B
	LOCKWIRE				FS430 COND. A
17 - 7 PH	WIRE				COND. A or B
	WIRE			5673B	SPRING TEMPER
	WELDING WIRE			5824	
20 Cb - 3	WIRE				ASTM-B-473
	WELDING WIRE				AWS-A5.9 ER-320
MONEL 400	WIRE & BARS	QQ-N-00281c		4730	CLASS A or B
	LOCKWIRE		MS20995NC		
INCONEL 600	WIRE & BARS	QQ-W-390c			TEMPER, A,B&C
	LOCKWIRE		MS20995N	5687	
	LOCKWIRE		MS9226		OXIDIZED

METAL OR ALLOY	MAJOR ELEMENTS – PERCENT, NORMAL						
LIGHT METAL ALLOYS	**Al**	**Cu**	**Fe**	**Mg**	**Mn**	**Si**	**Other**
Aluminum 1100	99.0% Min.	0.20%	0.06%	—	0.05%	0.04%	Zn 0.10%
Aluminum 5056	93.1-94.5	0.10	.040	4.5-5.6%	0.05-0.20	0.30	Zn 0.10; Cr 0.05-0.20
Aluminum 6061	96.0-97.2	0.15-0.04	0.70	0.8-1.2	0.15	0.40-0.80	Zn 0.25; Cr 0.15-0.35
Titanium							Ti 0.15 Available in Various Alloys
COPPER ALLOYS	**Cu**	**Zn**	**Mn**	**Ni**	**P**	**Fe**	**Other**
Brass, Low 80-20 (CDA #240)	80.00% Max.	20.00%	—	—	—	—	—
Brass, Cartridge 70-30 (CDA #260)	70.00 Max.	30.00	—	—	—	—	—
Bronze, Commercial 90-10 (CDA #220)	90.00 Max.	10.00	—	—	—	—	—
Bronze, Phospher 95-5A (CDA #510)	94.75	—	—	—	0.25	—	5.0 Max. Tin
Nickel Silver 55-18 (CDA #770)	55.00	27.00	—	18.0	—	—	—
Cupro-Nickel 10% (CDA #706)	88.20	—	0.50	10.0	—	1.30	—
Cupro-Nickel 30% (CDA #715)	68.75	—	0.75	30.0	—	0.50	—
Copper (CDA #110)	99.9	—	—	—	—	—	—
PRECIOUS METALS	**Ag**	**Cu**	**Pb**				
Silver, Fine	99.9%	0.06%	0.02%				
Silver, Sterling	92.5	7.50	—				
REFRACTORY METALS							
Columbium Molybdenum, Tantalum Titanium and Tungsten							Available in Various Alloys
NICKEL ALLOYS	**Ni**	**Cr**	**Cu**	**Fe**	**Mn**	**C**	**Other**
Carpenter 20Cb-3	32.5-35.0	19.0-21.0	3.0-4.0	—	2.0 Max.	0.07 Max.	P 0.035 Max.; S 0.035; Si 1.0 Max; Mo 2.0-3.0 Cb + Ta 8 x C 1.0 Min
Hastelloy B	62.0 Min.	1.00 Max.	—	5.00	1.0 Max.	0.05 Max.	Co 2.5 Max.; V 0.4 Max.; Mo 28.0
Hastelloy C	31.8 Min.	(14.5/16.5)	—	(4.0/7.0)	1.0 Max.	0.08 Max.	Si 1.0 Max.; Mo 16.0 Co 2.5 Max.; W 3.75; V 0.35 Max.
Incoloy 800	32.0	20.5	0.30	46.00	0.75	0.04	Si 0.35
Inconel 600	76.0 Min.	15.8	0.10	7.20	0.20	0.04	—
Inconel X750	73.0	15.0	0.05	6.75	0.70	0.04	Ti 2.3; Al 0.80; Cb 0.85
Monel 400	66.0 Min.	—	31.50	1.35	0.90	0.12	—
Nichrome I	60.0	16.0	—	24.00	—	—	—
Nicrhome V	80.0	20.0	—	—	—	—	—
Nickel 200	99.5	—	0.05	0.15	0.25	0.06	Si 0.05; S 0.005

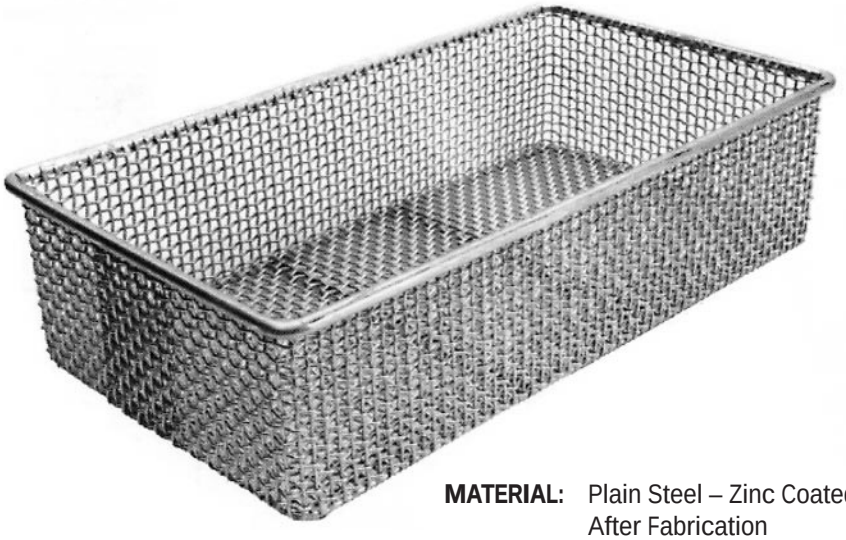
STAINLESS STEELS	**Ni**	**Cr**	**Fe (Min)**	**Mn (Max)**	**C (Max)**	**P (Max)**	**S (Max)**	**Si (Max)**
304	8.0-12.0	18.0-20.0	64.8	2.0	0.08	0.045	0.030	1.0
304L	8.0-12.0	18.0-20.0	64.9	2.0	0.03	0.045	0.030	1.0
309	12.0-15.0	22.0-24.0	57.7	2.0	0.20	0.045	0.030	1.0
310	19.0-22.0	24.0-26.0	51.8	2.0	0.25	0.045	0.030	1.5
316*	10.0-14.0	16.0-18.0	61.8	2.0	0.08	0.045	0.030	1.0
316L*	10.0-14.0	16.0-18.0	61.9	2.0	0.03	0.045	0.030	1.0
317**	11.0-15.0	18.0-20.0	57.8	2.0	0.08	0.045	0.030	1.0
321***	9.0-12.0	17.0-19.0	65.4	2.0	0.08	0.040	0.030	1.0
330	33.0-37.0	14.0-17.0	40.3	2.0	0.08	0.040	0.030	1.5
347****	9.0-13.0	17.0-19.0	64.0	2.0	0.08	0.045	0.030	1.0
410	—	11.5-13.5	84.3	1.0	0.15	0.040	0.030	1.0
430	—	14.0-18.0	79.2	1.0	0.12	0.040	0.030	1.0

*Mo 2.00-3.00 **Mo 3.00-4.00 *** Ti=5XC Min ****Cb + Ta=10XCMin

Operations such as shaping, forming and welding are furnished to customer specifications for wire baskets . . . trays . . . guards . . . strainers . . . filters.

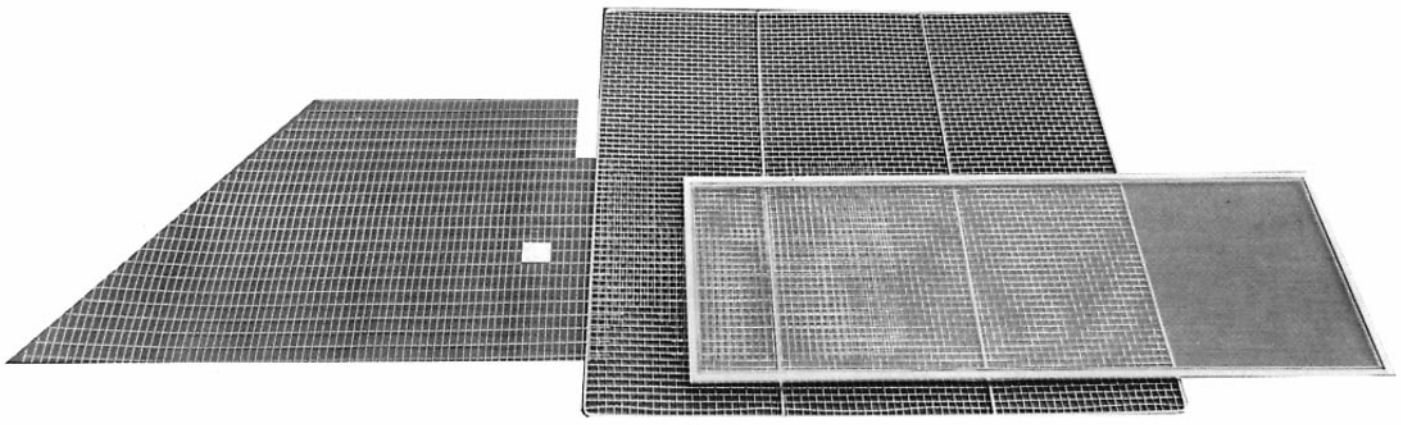
Virtually any size, shape and material can be provided for your particular requirement.

For optimum results, please furnish a sample or print and one of our wire cloth specialists will offer material recommendations and design assistance along with a quotation.



MATERIAL: Plain Steel – Zinc Coated After Fabrication
FRAME: .375" Dia. Rd. (Top) .250" Dia. Rod (Bottom)
MESH: 3 x 3 Mesh .092 Wire Dia.

MATERIAL: SS304
FRAME: .192" Dia. Rod
MESH: 20 x 20 Mesh .016 Wire Dia.

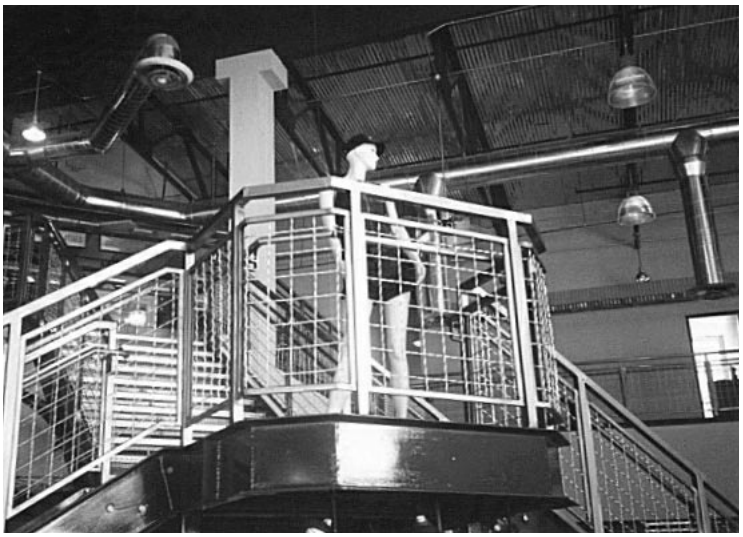


Custom services such as cutting special shapes, welding frames for added support, fabricating channel frames.

DESIGN APPLICATIONS

Traditionally, wire cloth has been used for industrial applications. Recently, some interesting "design" applications have arisen. For instance:

- Ceiling Tiles
- Stair Railing In-Fill Panels
- Screening for Cabinet Doors
- Lamp Shades
- Holiday Ornaments
- Jewelry



CUT-TO-SIZE AND FLATTENING

Wire Mesh, Perforated Metal, and Expanded Metal can be cut-to-size and flattened for many applications such as:

- Burner Screens
- Security Screens
- Machinery Guards
- Vent Screens
- Fan Screens

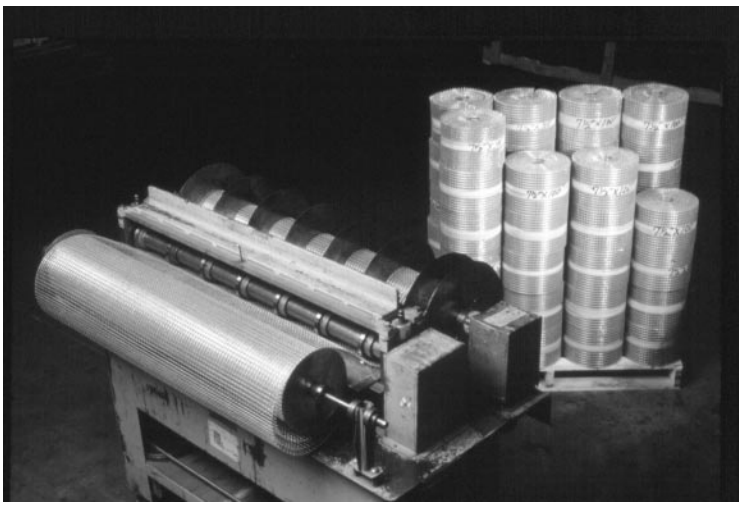
CUSTOM MATERIAL SLITTING

We have the capability to slit all of our woven wire mesh materials into any width you may need. Applications for this include:

- Copper Root Barrier Screen
- Gutter Guard

CUSTOM WELDED PANELS

Along with our normally stocked panels (see page 27) virtually any opening, any wire diameter, any piece size can be made. Stainless Steel, Galvanized after Welded or Steel panels are available.



COATINGS

Numerous coatings can be applied to our entire product line: powder coating, Electro-polishing, PVC, paint, hot dipped galvanizing, Electro-galvanizing, nylon, kevlar, aluminizing, alonizing, just to name a few. Ask your sales representative for more details.