



- PERFORATED METAL
- PERFORATED PLASTIC
- EXPANDED METAL
- METAL FABRICATION
- WINDOW GUARDS

*Immediate Shipment from Stock or
Custom Fabricated To Your Design*



IN 1965 STEVE MITROVICH STARTED AMETCO

Manufacturing as a job shop metal fabricator under a single principle: high quality at a competitive price. Ametco continues today under the leadership of Greg Mitrovich, Steve's son, as a modern, fully equipped sheet metal fabricator, utilizing the newest in computer controlled manufacturing equipment.



GREG MITROVICH
President

AMETCO HAS ALSO GROWN

in other areas offering a full-service warehouse operation to supply you, our customer, with all of your perforated metals, perforated plastic and expanded metal products. We offer full-service manufacturing of custom perforated products from prototype to production volume.

LOOKING FOR SECURITY? CONSIDER AMETCO'S

line of architectural products including fencing, gates, railing, security grilles, sun shades, sunshade canopies, louvers and window guards. The combination of classic style, function, and lasting beauty will serve your needs for years to come. Our engineering & architectural design team stands ready to supply solutions to any of your security needs.

CALL US TODAY AT 800-321-7042 AND SEE HOW

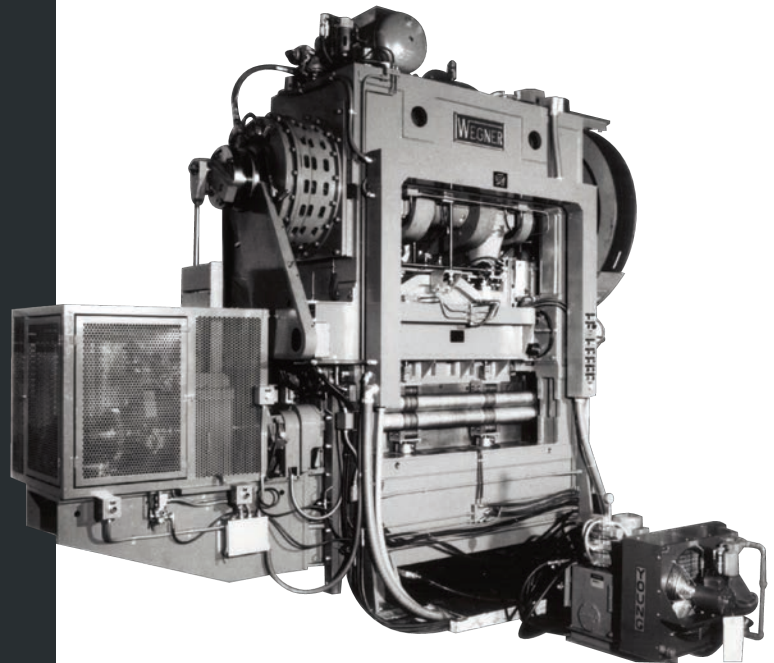
this combination of manufacturer, warehouse, and design professionals can fill your needs.

PERFORATED METAL AND PLASTIC

Our sophisticated perforating presses provide unparalleled flexibility in custom perforating applications. Using a 250 ton 60" wide Wegner high speed press and a 250 ton 60" Soenen high speed "press we can manufacture stock size perforated sheets in aluminum, steel and stainless steel with great efficiency. The balance of our presses are set up for quick change-over, accommodating almost any punching configuration you can imagine.

Naturally, we stock the common sizes, gauges and metals most costumers expect. But it's our ability to setup for small runs of unusual configurations that sets us apart from the rest.

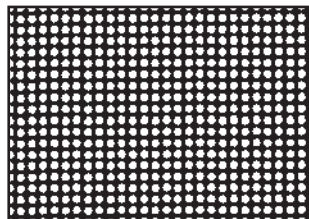
We pride ourselves on quick turnaround on all of our perforated products. Usually 24 hours on ready-to-ship items, and within your requirements on custom work when we have the die. We have over 65 die designs to fill your requirements.



AMETCO MANUFACTURING CORPORATION

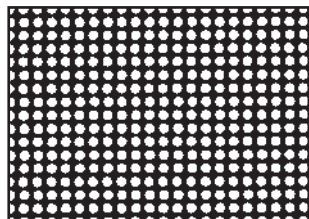
4326 Hamann Parkway
P.O. Box 1210
Willoughby, Ohio 44096

ametco.com
ametco@ametco.com
Toll Free: (800) 321-7042
Fax: (440) 951-2542



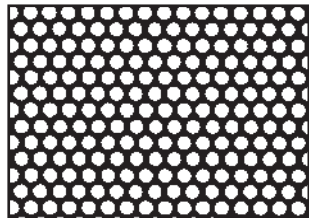
- .033" diameter
- Straight line centers
- 324 holes per sq. inch
- 28% open area

Special Order



- .045" diameter
- Straight line centers
- 225 holes per sq. inch
- 36% open area

Special Order



- 1/16" diameter
- 3/32" staggered centers
- 132 holes per sq. inch
- 41% open area

Special Order



- 1/16" diameter
- 1/8" staggered centers
- 75 holes per sq. inch
- 23% open area

Carbon Steel

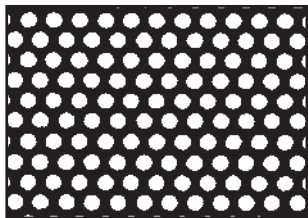
22 gauge..... 48" x 96"
 20 gauge..... 48" x 96"
 18 gauge..... 48" x 96"

Stainless Type 304

22 gauge..... 36" x 96"

Aluminum 3003

.032" thick 36" x 96"
 48" x 96"
 .050" thick 48" x 96"



- 5/64" diameter
- 1/8" staggered centers
- 75 holes per sq. inch
- 36% open area

Carbon Steel

20 gauge..... 48" x 120"



- 3/32" diameter
- 5/32" staggered centers
- 47 holes per sq. inch
- 33% open area

Carbon Steel

22 gauge..... 36" x 120"
 18 gauge..... 36" x 120"
 16 gauge..... 48" x 120"
 60" x 120"
 14 gauge..... 48" x 120"

Stainless Type 304

22 gauge..... 36" x 96"
 18 gauge..... 48" x 120"
 16 gauge..... 36" x 96"



- 3/32" diameter
- 3/16" staggered centers
- 33 holes per sq. inch
- 25% open area

Carbon Steel

22 gauge..... 48" x 120"

Polypropylene

1/16" thick 48" x 96"
 1/8" thick 48" x 96"

PVC

1/8" thick 48" x 96"



- 1/8" diameter
- 3/16" staggered centers
- 33 holes per sq. inch
- 40% open area

Carbon Steel

28 gauge..... 36" x 120"
 22 gauge..... 36" x 96"
 36" x 120"
 48" x 96"
 20 gauge..... 36" x 120"
 48" x 96"
 18 gauge..... 36" x 120"
 16 gauge..... 36" x 96"
 36" x 120"
 48" x 96"
 48" x 120"
 60" x 120"
 14 gauge..... 36" x 120"
 48" x 120"
 12 gauge..... 48" x 120"
 11 gauge..... 36" x 120"
 48" x 120"

Galvanized

20 gauge..... 36" x 120"
 48" x 120"
 16 gauge..... 36" x 120"

Stainless Type 304

28 gauge..... 36" x 96"
 26 gauge..... 36" x 96"
 24 gauge..... 36" x 96"
 22 gauge..... 36" x 96"
 48" x 120"
 20 gauge..... 36" x 96"
 18 gauge..... 48" x 120"
 16 gauge..... 36" x 96"
 48" x 120"
 14 gauge..... 48" x 120"
 11 gauge..... 48" x 120"

Stainless Type 316

22 gauge..... 36" x 96"
 16 gauge..... 36" x 96"

Aluminum 3003H14

.032" thick 36" x 96"
 .040" thick 36" x 120"
 .050" thick 48" x 96"
 .063" thick 36" x 96"
 48" x 120"
 .125" thick 48" x 96"

Polypropylene

1/16" thick 48" x 96"
 1/8" thick 48" x 96"

PVC

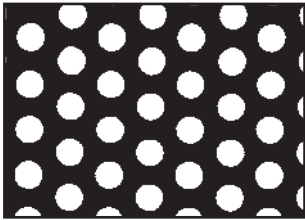
1/16" thick 48" x 96"
 1/8" thick 48" x 96"



■ 24 Hour shipment on stock items



■ PERFORATED METAL | Stock Items



- 1/8" diameter
- 7/32" staggered centers
- 24 holes per sq. inch
- 30% open area

Carbon Steel

22 gauge.....36" x 120"
 16 gauge.....48" x 120"
 11 gauge.....48" x 120"



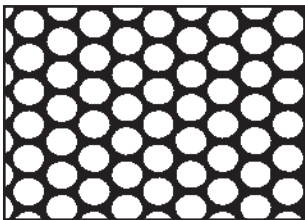
- 1/8" diameter
- 1/4" staggered centers
- 18.5 holes per sq. inch
- 23% open area

Carbon Steel

16 gauge.....48" x 120"

Polypropylene

1/8" thick48" x 96"
 3/16" thick48" x 96"



- 5/32" diameter
- 3/16" staggered centers
- 33 holes per sq. inch
- 63% open area

Carbon Steel

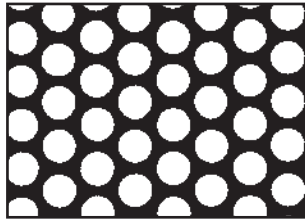
22 gauge.....36" x 96"
 48" x 96"
 20 gauge.....48" x 120"
 18 gauge.....36" x 120"
 16 gauge.....48" x 120"

Stainless Type 304

22 gauge.....36" x 96"
 18 gauge.....36" x 96"
 16 gauge.....36" x 96"

Aluminum 3003H14

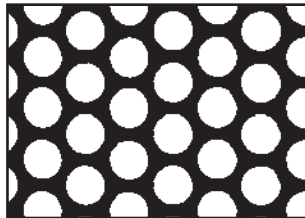
.040" thick48" x 96"
 .063" thick36" x 96"



- 5/32" diameter
- 7/32" staggered centers
- 24 holes per sq. inch
- 46% open area

Carbon Steel

22 gauge.....48" x 120"
 18 gauge.....36" x 120"
 16 gauge.....48" x 120"



- 3/16" diameter
- 1/4" staggered centers
- 18.5 holes per sq. inch
- 50% open area

Carbon Steel

20 gauge.....36" x 120"
 48" x 120"
 16 gauge.....36" x 120"
 60" x 120"
 14 gauge.....48" x 120"
 11 gauge.....48" x 120"

Galvanized

18 gauge.....36" x 120"

Stainless Type 304

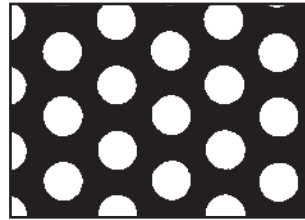
20 gauge.....36" x 96"
 16 gauge.....36" x 96"
 48" x 120"
 14 gauge.....48" x 120"

Stainless Type 316

20 gauge.....36" x 96"

Aluminum 3003H14

.040" thick48" x 96"



- 3/16" diameter
- 5/16" staggered centers
- 12 holes per sq. inch
- 32% open area

Carbon Steel

20 gauge.....48" x 120"
 16 gauge.....48" x 120"
 60" x 120"
 14 gauge.....48" x 120"
 11 gauge.....48" x 120"
 3/16" thick48" x 120"

Stainless Type 304

16 gauge.....48" x 120"
 11 gauge.....48" x 120"

Aluminum 3003H14

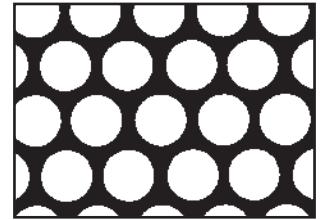
.063" thick36" x 96"

Polypropylene

1/8" thick48" x 96"
 3/16" thick48" x 96"

PVC

1/8" thick48" x 96"
 3/16" thick48" x 96"



- 1/4" diameter
- 5/16" staggered centers
- 12 holes per sq. inch
- 58% open area

Carbon Steel

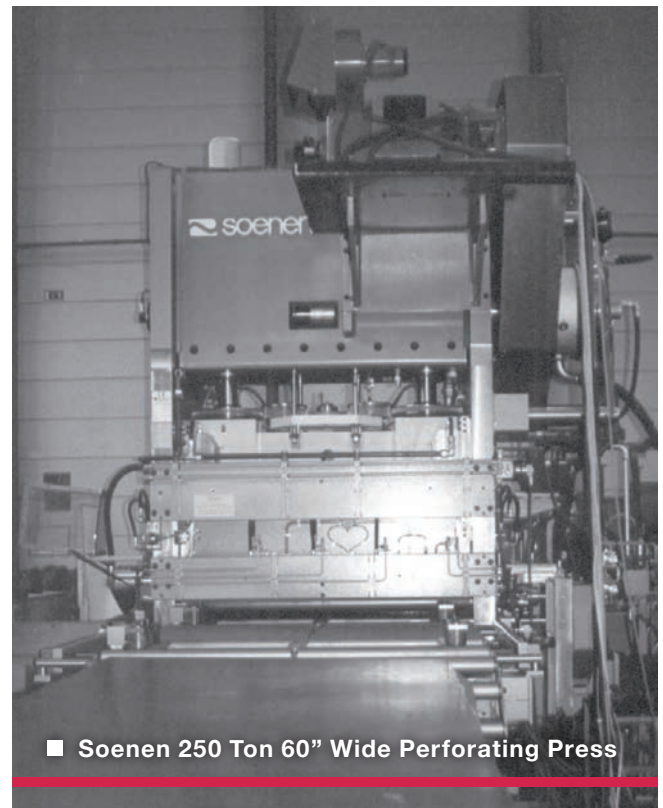
28 gauge.....36" x 96"
 22 gauge.....36" x 96"
 20 gauge.....36" x 120"
 48" x 120"
 16 gauge.....36" x 120"
 48" x 120"
 60" x 120"
 11 gauge.....48" x 120"

Stainless Type 304

22 gauge.....36" x 96"
 18 gauge.....36" x 96"
 16 gauge.....48" x 120"

Aluminum 3003H14

.025" thick36" x 96"



■ Soenen 250 Ton 60" Wide Perforating Press



- 1/4" diameter
- 3/8" staggered centers
- 8.5 holes per sq. inch
- 40% open area

Carbon Steel

22 gauge.....36" x 120"
 20 gauge.....48" x 120"
 16 gauge.....48" x 120"
 60" x 120"
 14 gauge.....48" x 120"
 11 gauge.....48" x 120"
 60" x 120"
 3/16" thick.....48" x 120"
 1/4" thick.....48" x 120"

Stainless Type 304

20 gauge.....36" x 96"
 16 gauge.....36" x 96"
 48" x 120"
 11 gauge.....36" x 96"
 48" x 120"

Stainless Type 316

16 gauge.....48" x 120"

Aluminum 3003H14

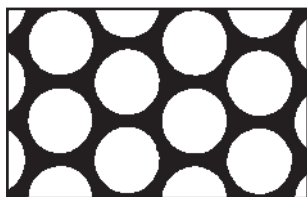
.040" thick.....36" x 96"
 .125" thick.....48" x 120"
 60" x 120"



- 1/4" diameter
- 1/2" staggered centers
- 5 holes per sq. inch
- 23% open area

Carbon Steel

16 gauge.....48" x 120"
 11 gauge.....48" x 120"



- 5/16" diameter
- 3/8" staggered centers
- 8.5 holes per sq. inch
- 65% open area

Carbon Steel

16 gauge.....48" x 120"



- 5/16" diameter
- 7/16" staggered centers
- 6.5 holes per sq. inch
- 50% open area

Carbon Steel

16 gauge.....48" x 120"
 11 gauge.....48" x 120"



- 3/8" diameter
- 1/2" staggered centers
- 5 holes per sq. inch
- 52% open area

Carbon Steel

16 gauge.....48" x 120"
 11 gauge.....48" x 120"



- 3/8" diameter
- 9/16" staggered centers
- 4 holes per sq. inch
- 40% open area

Carbon Steel

20 gauge.....48" x 120"
 16 gauge.....48" x 120"
 60" x 120"
 11 gauge.....48" x 120"
 60" x 120"
 3/16" thick.....48" x 120"
 1/4" thick.....48" x 120"

Stainless Type 304

16 gauge.....36" x 96"
 11 gauge.....48" x 120"

Aluminum 3003H14

.125" thick.....48" x 120"

PVC

3/16" thick.....48" x 96"



- 1/2" diameter
- 11/16" staggered centers
- 2.45 holes per sq. inch
- 48% open area

Carbon Steel

20 gauge.....36" x 96"
 36" x 120"
 48" x 120"
 18 gauge.....36" x 120"
 48" x 120"
 16 gauge.....36" x 120"
 48" x 120"
 60" x 120"
 11 gauge.....60" x 120"
 3/16" thick.....48" x 120"
 1/4" thick.....48" x 120"

Stainless Type 304

20 gauge.....48" x 96"
 16 gauge.....36" x 96"
 48" x 120"
 11 gauge.....48" x 120"

Aluminum 3003H14

.063" thick.....36" x 96"
 .125" thick.....48" x 96"

PVC

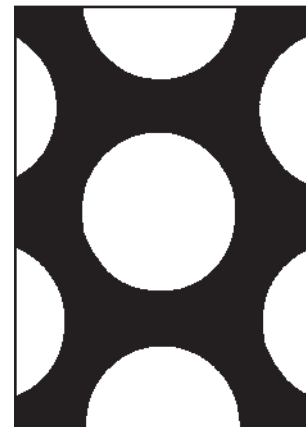
1/4" thick.....48" x 96"



- 5/8" diameter
- 13/16" staggered centers
- 1.75 holes per sq. inch
- 54% open area

Carbon Steel

16 gauge.....48" x 120"



- 3/4" diameter
- 1" staggered centers
- 1.1 holes per sq. inch
- 51% open area

Carbon Steel

16 gauge.....48" x 120"
 11 gauge.....48" x 120"
 3/16" thick.....48" x 120"



- 1" diameter
- 1-1/4" staggered centers
- .74 holes per sq. inch
- 57% open area

Carbon Steel

11 gauge.....48" x 120"

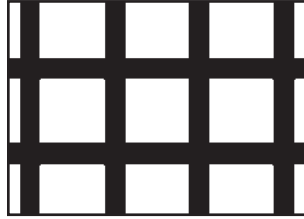


■ PERFORATED METAL | Stock Items

Check list for ordering Perforated Products:

- **Quantity**
in sheets
- **Thickness**
by gauge number or decimal inches
- **Product**
type of metal or plastic
- **Sheet size**
length & width
- **Perforation size**
hole size in inches
- **Perforation shape**
shape of the open area
- **Perforation spacing**
number of perforations per square inch
- **Margins (s)**
if needed, it's the solid area on the perimeter, sides or ends of the sheet

3/8" Square Holes



- 56% open area
- 1/2" straight line centers

Hot Rolled P&O Steel
13 gauge.....36" x 120"

1/2" Square

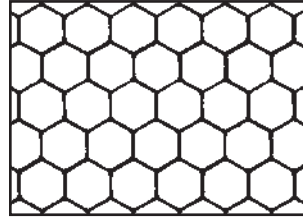


- 53% open area
- 3/16" bar
- 11/16" centers

Carbon Steel
20 gauge.....48" x 120"
16 gauge.....48" x 120"

Aluminum 3003H14
.050" thick36" x 120"

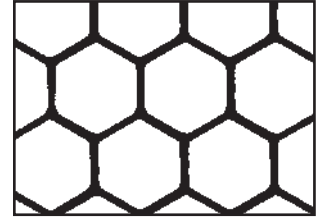
1/4" Hexagonal



- 80% open area
- .032" bar
- 9/32" centers

Special Order

1/2" Hexagonal

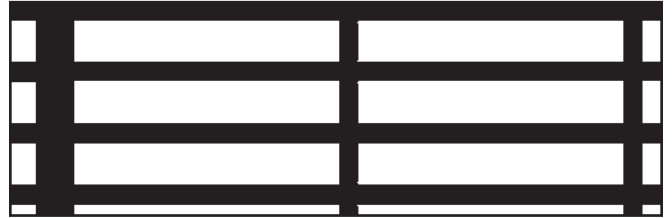


- 3/16" diameter
- 5/16" staggered centers
- 12 holes per sq. inch
- 32% open area

Carbon Steel
22 gauge.....48" x 120"
22 gauge.....48" x 120"

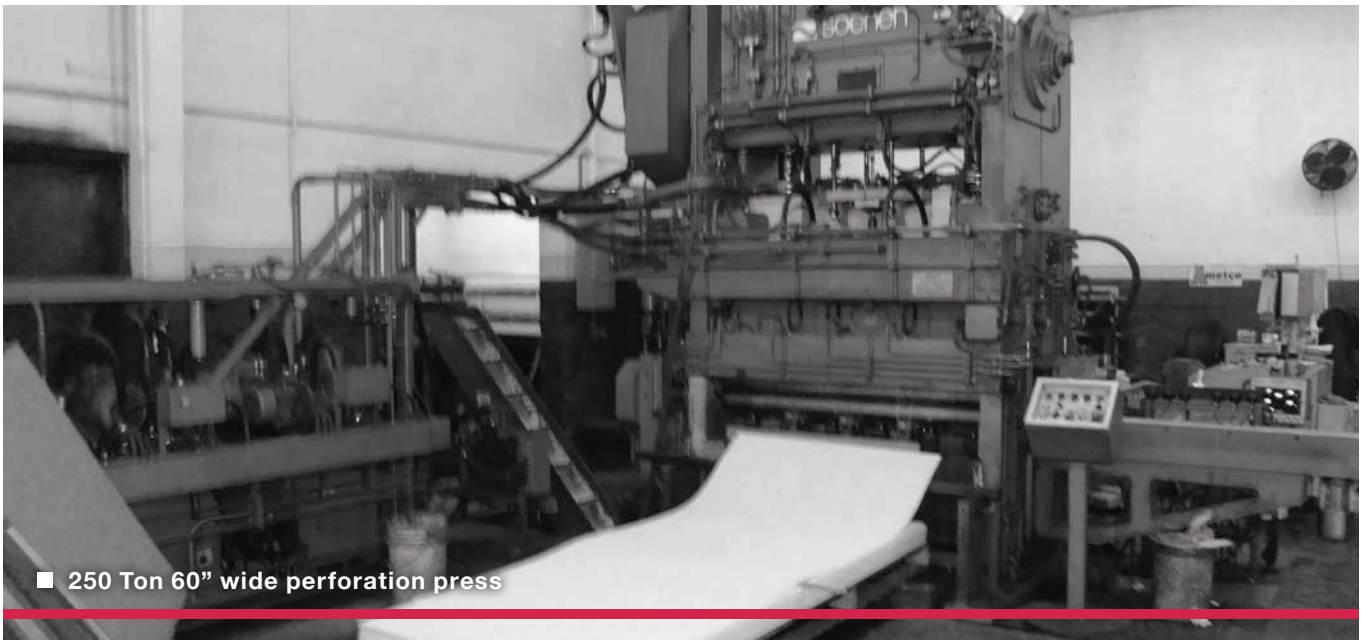
Carbon Steel
22 gauge.....48" x 120"
22 gauge.....48" x 120"

Airline Design



- 1/4" x 1-1/2" slots
- 67% open
- Every third end bar 3/16" wide as shown, all other bars 3/32"

Special Order



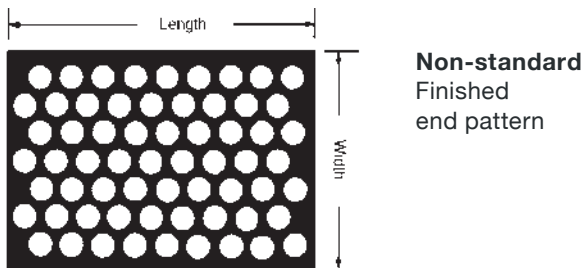
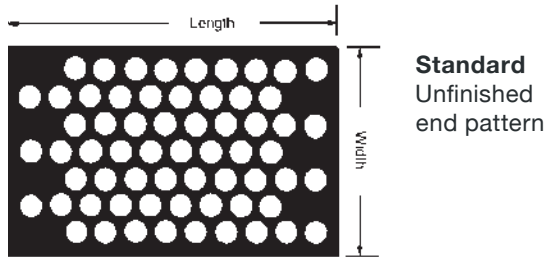
■ 250 Ton 60" wide perforation press

End Patterns

On staggered pattern perforations, the end patterns will either be “finished” or “unfinished” depending on the tooling available. An unfurnished end pattern is **Standard**; however, a finished end is available as a non-standard item. Consult Ametco for details.

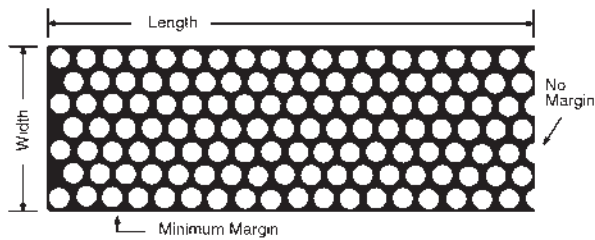
“Unfinished” end patterns are *standard* on some staggered pattern perforations, meaning the hole pattern appears incomplete at the end of the sheet.

“Finished” end patterns are *non-standard* on most staggered pattern perforations, meaning the hole pattern is complete at the end of the sheet.



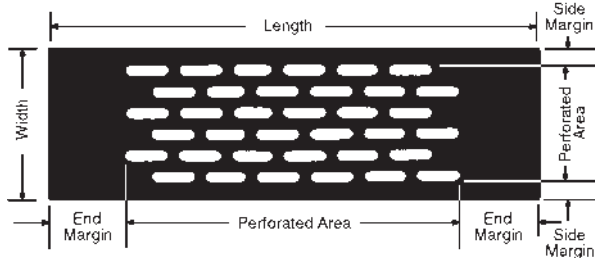
Margins

The “margin” on a perforated sheet or plate refers to the distance from the edge of the sheet to the first perforation along the same dimension. “No margin” refers to the last row or set of perforations extending off the sheet or plate.



Minimum Margins

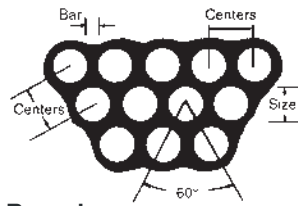
Perforated stock size sheet or plate with minimum margins.



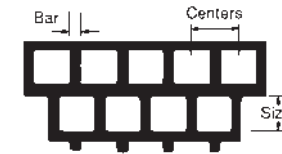
Specified Margins

Sheet or plate re-sheared after perforating with margins specified.

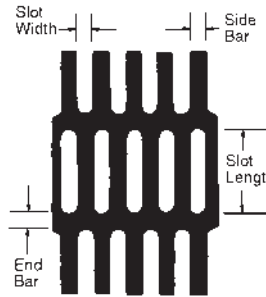
Staggered Patterns



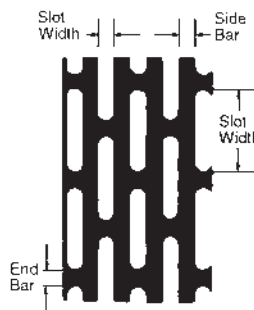
Round Standard



Square Standard

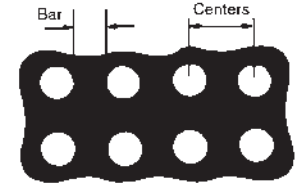


Slotted End Stagger

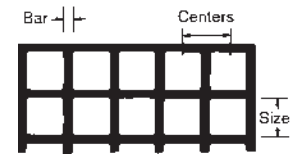


Slotted Side Stagger

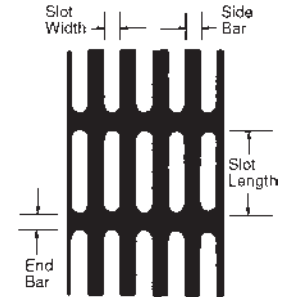
Straight Line Patterns



Round Optional

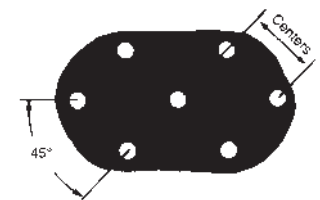


Square



Slotted

45 Degree Pattern

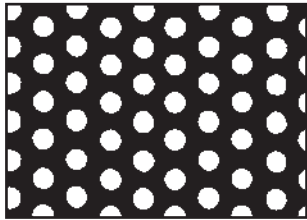


Round Optional

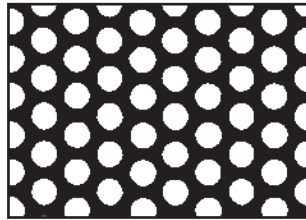
■ PERFORATED PLASTIC | PVC Dark Gray–Type 1, Class 1 (4' x 8' sheet)

Ametco now stocks 27 standard plastic perforated sheets in inventory and ready-to-ship. Inventory includes dark gray PVC and natural color polypropylene plastic items. Stock sheets range from 1/16" to 1/4" thick, and come in configurations ranging from 10% open air to 48% open air. Ametco can custom perforate most any layout you need. We specialize in short run custom perforating. Perforated Plastic is ideally suited to many of the same applications as perforated metal, however, it is lighter and is more corrosive resistant.

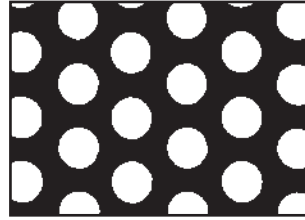
Also consider having Ametco perforate your plastic material. All of our perforating equipment under goes a thorough cleaning before perforating your material to assure that your material is as clean after perforating as it was before being perforated.



- 3/32" diameter
- 3/16" staggered centers
- 32 holes per sq. inch
- 25% open area
- 1/8" thick



- 1/8" diameter
- 3/16" staggered centers
- 33 holes per sq. inch
- 40% open area
- 1/16" & 1/8" thick



- 3/16" diameter
- 5/16" staggered centers
- 12 holes per sq. inch
- 32% open area
- 1/8" & 3/16" thick



- 1/4" diameter
- 1/2" straight line centers
- 4 holes per sq. inch
- 20% open area
- 1/8" & 1/4" thick



- 3/8" diameter
- 9/16" staggered centers
- 4 holes per sq. inch
- 40% open area
- 3/16" thick

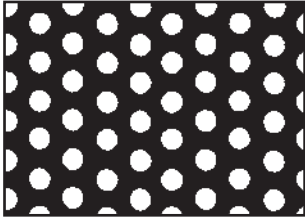


- 1/2" diameter
- 11/16" staggered centers
- 2.45 holes per sq. inch
- 48% open area
- 1/4" thick

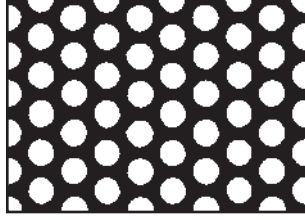


■ Perforated Plastic Sheets in Stock

■ PERFORATED PLASTIC | Polypropylene (4' x 8' sheet)



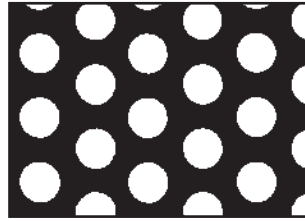
- 3/32" diameter
- 3/16" staggered centers
- 32 holes per sq. inch
- 25% open area
- 1/16" & 1/8" thick



- 1/8" diameter
- 3/16" staggered centers
- 33 holes per sq. inch
- 40% open area
- 1/16" & 1/8" thick



- 1/8" diameter
- 1/4" staggered centers
- 18.5 holes per sq. inch
- 23% open area
- 1/8" & 3/16" thick



- 3/16" diameter
- 5/16" staggered centers
- 12 holes per sq. inch
- 32% open area
- 1/8" & 3/16" thick



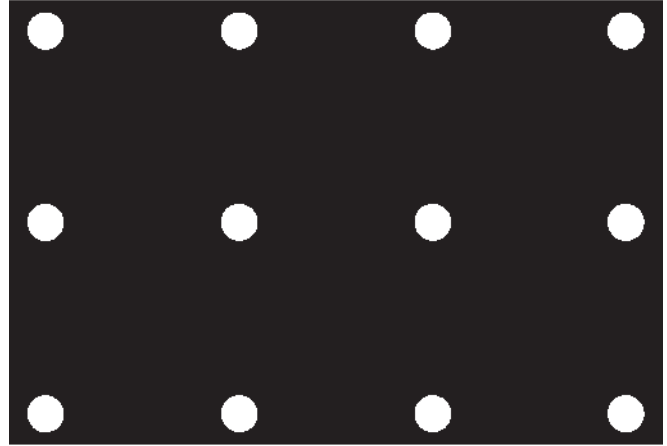
- 3/16" diameter
- 1/2" straight line centers
- 4 holes per sq. inch
- 10% open area
- 1/8" & 1/4" thick



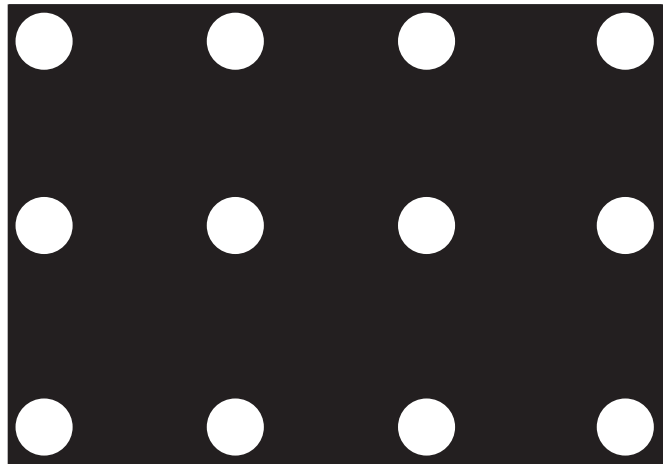
- 1/4" diameter
- 1/2" straight line centers
- 4 holes per sq. inch
- 20% open area
- 1/8" & 1/4" thick

Polypropylene Pegboard System

Available in two thicknesses and two hole diameters. Plastic is a better alternative to fiberboard... and lasts longer too!



- 3/16" diameter
- 1" straight line centers
- 1/8" thick

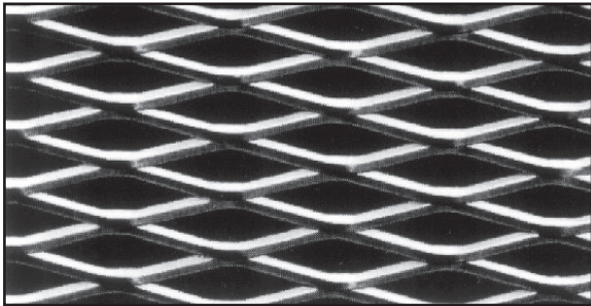


- 9/32" diameter
- 1" straight line centers
- 1/4" thick

EXPANDED METAL

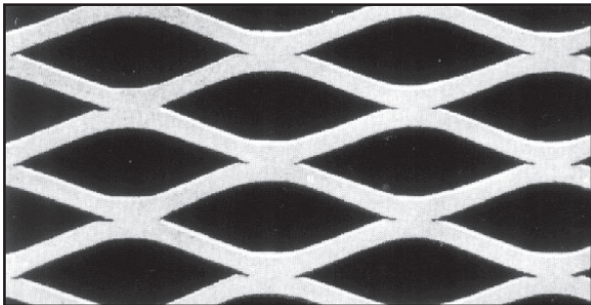
Ametco stocks Carbon steel, Stainless steel and Aluminum expanded metal in both standard and flattened styles. We carry catwalk and structural grade grating made of carbon steel ranging from 2.5 to 7.0 lbs. per sq. ft. For more information about the structural ratings on our expanded metal grating, please call Ametco's sales department and ask for our load/deflection tables.

Ametco can cut or shear your expanded metal sheets to finished size, cutting down on wasted time & expense on your next project.



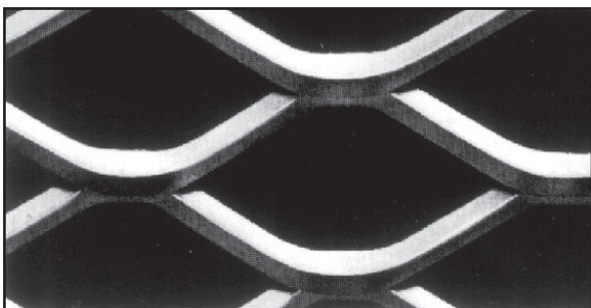
Standard

1/4" No. 20



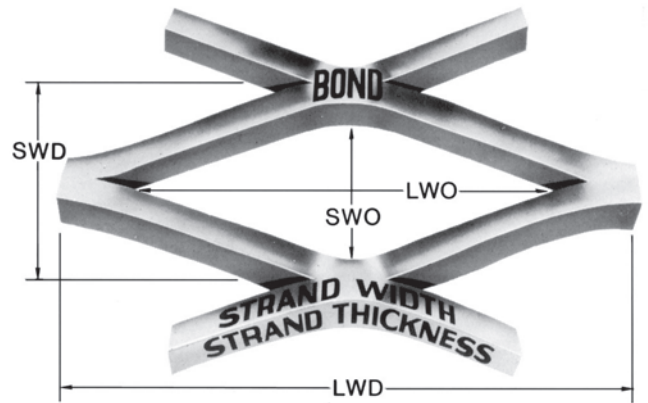
Flattened

1/2" No. 18



Standard

3/4" No. 9



Style Dimension: Nominal dimension Short Way of Design (SWD).

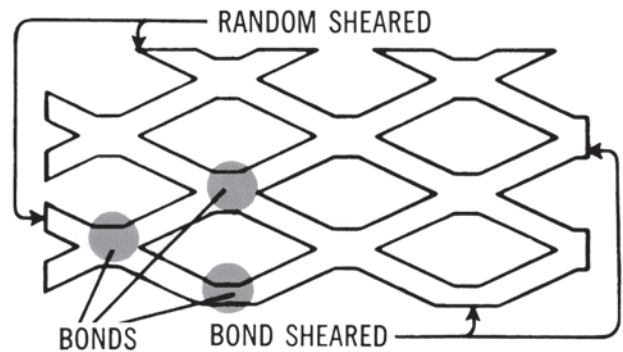
Design Size: Actual dimension SWD and LWD. Measured from a point to a corresponding point on the following design.

(SWO): Short Way of Opening. **(LWO):** Long Way of Opening.

Strands: The sides of the expanded metal design.

Strand Thickness: Gauge thickness of metal expanded.

Strand Width: Amount of metal fed under dies to produce one strand.



Shearing Tolerances

Bond—Where two strands intersect. Eliminates prongs or jagged edges.

Tolerance: Minus 0 plus 1/2 the design size, either SWD or LWD.

* Special bond tolerances on meshes of 1/4" and under.

Random—This type of shearing leaves prongs or jagged edges.

Tolerance: ± 1/16". On grating ± 1/8".

Order Procedure

When specifying Expanded Metal, give complete specification to avoid possible error. SWD always given before LWD.

Example—1/2" No. 18 Carbon Steel Diamond Pattern
4' SWD x 8' LWD.

Carbon Steel – Standard

Style	Lbs. Per 100 Sq. Ft.		Standard Sheet Size (Feet)		Design Size (Inches)		Opening Size (Inches)		Strand Size (Inches)		Overall Thickness (Inches)	No. of Designs Per Ft.		(% Open Area)
	Plain	Galv. Wt.	Width SWD	Length LWD	SWD	LWD	SWO	LWO	Width	Thick-ness		SWD	LWD	
1/4" - #20	86	...	4	8	.250	1.00	.125	.718	.072	.036	.135	48	12	45
1/4" - #18	114	...	4	8	.250	1.00	.110	.718	.072	.048	.147	48	12	43
1/2" - #20	43	...	4	8	.500	1.20	.438	.938	.072	.036	.140	24	10	80
1/2" - #18	70	88	4&6	8	.500	1.20	.438	.938	.088	.048	.172	24	10	72
1/2" - #16	86	104	4	8	.500	1.20	.375	.938	.087	.060	.175	24	10	65
1/2" - #13	147	174	4&6	8&10	.500	1.20	.312	.938	.096	.092	.204	24	10	57
3/4" - #16	54	61	4&6	8&10	.923	2.00	.813	1.750	.101	.060	.210	13	6	78
3/4" - #13	80	94	4&6	8&10	.923	2.00	.750	1.688	.096	.092	.205	13	6	76
3/4" - #10 (13 ga.)	120	134	4&6	8&10	.923	2.00	.750	1.625	.144	.092	.290	13	6	72
3/4" - #9 (10 ga.)	180	198	4&6	8,10&12	.923	2.00	.688	1.562	.150	.134	.312	13	6	68
1" - #16	44	51	4	8	1.00	2.40	.938	2.062	.087	.060	.192	12	5	82
1-1/2" - #18	20	...	4	8	1.33	3.00	1.313	2.625	.068	.048	.140	9	4	90
1-1/2" - #16	40	48	4	8	1.33	3.00	1.250	2.625	.108	.060	.230	9	4	85
1-1/2" - #13	60	68	4&6	8&10	1.33	3.00	1.188	2.500	.105	.092	.242	9	4	85
1-1/2" - #10 (13 ga.)	79	90	4&6	8&10	1.33	3.00	1.188	2.500	.138	.092	.284	9	4	80
1-1/2" - #9 (10 ga.)	120	144	4&6	8,10&12	1.33	3.00	1.125	2.375	.144	.134	.312	9	4	76
1-1/2" - #6 (6 ga.)	250	275	4&6	8&12	1.33	3.00	1.110	2.313	.203	.198	.433	9	4	69
2" - #9 (10 ga.)	90	99	4	8	1.85	4.00	1.563	3.375	.149	.134	.312	6.5	3	84

Above material conforms to Military Specification MIL-M-17194C Type 1 Class 1

Carbon Steel – Flattened

1/4" - #20	82	...	3&4	8	.250	1.05	.084	.715	.079	.030	.030	48	11.60	35
1/4" - #18	108	...	3&4	8	.250	1.05	.075	.715	.080	.040	.040	48	11.60	35
1/2" - #20	40	51	3&4	8	.500	1.25	.375	1.00	.079	.029	.029	24	9.500	65
1/2" - #18	66	83	3&4	8&10	.500	1.25	.312	1.00	.097	.039	.039	24	9.500	60
1/2" - #16	82	98	3&4	8&10	.500	1.25	.312	1.00	.096	.050	.050	24	9.500	63
1/2" - #13	140	161	3&4	8&10	.500	1.25	.265	1.00	.107	.070	.070	24	9.500	52
3/4" - #16	51	57	3&4	8&10	.500	2.10	.750	1.750	.111	.048	.048	13	5.700	74
3/4" - #14	63	74	3&4	8&10	.923	2.10	.688	1.813	.105	.061	.061	13	5.70	74
3/4" - #13	75	88	3&4	8,10&12	.923	2.10	.688	1.781	.106	.070	.070	13	5.700	74
3/4" - #9 (10 ga.)	171	188	3&4	8,10&12	.923	2.10	.563	1.688	.165	.120	.120	13	5.700	63
1" - #16	41	50	3&4	8	1.00	2.50	.813	2.250	.098	.050	.050	12	4.684	78
1-1/2" - #16	38	46	3&4	8	1.33	3.20	1.062	2.750	.119	.048	.048	9	3.75	83
1-1/2" - #14	46	54	3&4	8	1.33	3.20	1.062	2.750	.134	.060	.060	9	3.75	80
1-1/2" - #13	57	66	3&4	8&10	1.33	3.20	1.062	2.750	.116	.070	.070	9	3.75	80
1-1/2" - #9 (10 ga.)	114	125	3&4-4	8,10&12	1.33	3.20	1.0	2.563	.158	.110	.110	9	3.75	75

Above material conforms to Military Specification MIL-M-17194C Type II Class 1

Weights, Gauges, Dimensions and Sizes listed are approximate and subject to mill tolerance.

Carbon Steel – Type 304 – Type 316 – Standard

Style	Lbs. Per 100 Sq. Ft.	Standard Sheet Size (Feet)		Design Size (Inches)		Opening Size (Inches)		Strand Size (Inches)		Overall Thickness (Inches)	No. of Designs Per Ft.		(% Open Area)
		Width SWD	Length LWD	SWD	LWD	SWO	LWO	Width	Thick-ness		SWD	LWD	
1/2" - #18	73	4	8	.500	1.20	.437	.937	.087	.050	.164	24	10	70
1/2" - #16	91	3&4	8	.500	1.20	.437	.937	.087	.062	.164	24	10	70
1/2" - #13	187	4	8	.500	1.20	.325	.875	.119	.093	.225	24	10	70
3/4" - #18	48	3&4	8	.923	2.00	.812	1.750	.106	.050	.202	13	6	85
3/4" - #16	60	4	8	.923	2.00	.812	1.750	.106	.062	.202	13	6	83
3/4" - #13	91	3&4	8	.923	2.00	.750	1.687	.107	.093	.202	13	6	80
3/4" - #9 (10 ga.)	205	4	8	.923	2.00	.687	1.562	.160	.140	.300	13	6	67
1-1/2" - #16	45	4	8	1.33	3.00	1.250	2.750	.115	.062	.222	9	4	85
1-1/2" - #13	68	4	8	1.33	3.00	1.250	2.625	.115	.093	.222	9	4	83
1-1/2" - #9 (10 ga.)	137	4	8	1.33	3.00	1.125	2.500	.155	.140	.280	9	4	77

Above material conforms to Military-S-46044A (MR) Type I



EXPANDED METAL | Specifications

Stainless – Type 304 – Type 316 – Flattened

1/2" - #18	69	4	8	.500	1.26	.312	1.000	.098	.040	.040	24	9.5	60
1/2" - #16	86	3&4	8	.500	1.26	.312	1.000	.099	.050	.050	24	9.5	60
1/2" - #13	178	3&4	8	.500	1.26	.240	.915	.132	.080	.080	24	9.5	57
3/4" - #18	46	3&4	8	.923	2.10	.750	1.812	.118	.040	.040	13	5.70	75
3/4" - #16	57	3&4	8	.923	2.10	.750	1.812	.118	.050	.050	13	5.70	75
3/4" - #13	86	3&4	8	.923	2.10	.625	1.750	.120	.070	.070	13	5.70	75
3/4" - #9 (10 ga.)	195	3&4	8	.923	2.10	.562	1.687	.165	.119	.119	13	5.70	61
1-1/2" - #16	43	4	8	1.33	3.15	1.062	2.75	.128	.050	.050	9	3.80	80
1-1/2" - #13	65	4	8	1.33	3.15	1.000	2.625	.130	.079	.079	9	3.80	80
1-1/2" - #9 (10 ga.)	131	3&4	8	1.33	3.15	.937	2.625	.165	.119	.119	9	3.8	75

Above Material conforms to Military Specification MIL-S-46044A (MR) Type II

Aluminum – Type 5005 – H34 – Standard

1/2" - .051	27	4	8	.500	1.20	.375	.937	.093	.051	.158	24	10	65
1/2" - .081	44	3&4	8	.500	1.20	.375	.937	.096	.081	.186	24	10	60
3/4" - .051	17	4	8	.923	2.00	.812	1.75	.109	.051	.200	13	6	78
3/4" - .081 (Lt.)	32	3&4	8	.923	2.00	.750	1.68	.129	.081	.220	13	6	76
3/4" - .081 (Hvy.)	41	4	8	.923	2.00	.750	1.68	.165	.081	.300	13	6	69
3/4" - .125	65	4	8	.923	2.00	.687	1.68	.169	.125	.305	13	6	68
1-1/2" - .081	22	4	8	1.33	3.00	1.187	2.50	.128	.081	.240	9	4	85
1-1/2" - .125	43	3&4	8	1.33	3.00	1.187	2.50	.162	.125	.300	9	4	79

Above material conforms to Military Specification MIL-M-17999B (MR) Class 1

Aluminum – Type 5005 – H34 – Flattened

1/2" - .051	26	3&4	8	.500	1.27	.312	1.00	.104	.040	.040	24	9.5	61
1/2" - .081	42	3&4	8	.500	1.27	.312	1.00	.105	.060	.060	24	9.5	58
3/4" - .051	16	3&4	8	.923	2.125	.750	1.812	.122	.040	.040	13	5.66	72
3/4" - .081 (Lt.)	30	3&4	8	.923	2.125	.687	1.75	.143	.070	.070	13	5.66	70
3/4" - .081 (Hvy.)	39	3&4	8	.923	2.125	.687	1.75	.181	.070	.070	13	5.66	63
3/4" - .125	62	3&4	8	.923	2.125	.625	1.75	.187	.095	.095	13	5.66	62
1-1/2" - .081	21	3&4	8	1.33	3.15	1.062	2.75	.143	.055	.055	9	3.8	77
1-1/2" - .125	41	4	8	1.33	3.15	1.000	2.75	.181	.080	.080	9	3.8	70

Above material conforms to Military Specification MIL-M-17999B (MR) Class 1

Catwalk and Structural Gratings Carbon Steel

Style	Wt. per Sq. Ft. (lbs.)	Standard Sheet Size (Feet)		Design Size (Inches)		Opening Size (Inches)		Strand Size (Inches)		Overall Thickness (Inches)	No. of Designs Per Ft.		(% Open Area)
		Width SWD	Length LWD	SWD	LWD	SWO	LWO	Width	Thickness		SWD	LWD	
1-1/2" (6 ga.)	2.5	4&6	8&12	1.33	3.00	1.110	2.313	.203	.198	.433	9	4	69
3.0 lb.	3	4&6	8,10&12	1.33	5.33	.940	3.44	.264	.183	.540	9	2.25	60
3.14 lb.	3.14	4&6	10	2.00	6.00	1.625	4.88	.312	.250	.656	6	2	69
4.0 lb.	4	4,5&6	8&10	1.33	5.33	.940	3.44	.300	.215	.618	9	2.25	55
4.27 lb.	4.27	4&6	8&10	1.41	4.00	1.00	2.88	.300	.250	.625	8.5	3	58
5.0 lb.	5.0	4&5	8&10	1.33	5.33	.813	3.38	.331	.250	.655	9	2.25	50
6.25 lb.	6.25	4&6	8&12	1.41	5.33	.813	3.38	.350	.312	.715	8.5	2.25	50
7.0 lb.	7.0	4	8	1.41	5.33	.813	3.38	.391	.312	.740	8.5	2.25	45

Carbon Steel Flattened Grating

2.80 lb.	2.80	4	8	1.333	5.667	.813	4.00	.285	.160	.160	9	2.125	60
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Aluminum Grating – Type 5052-H-32

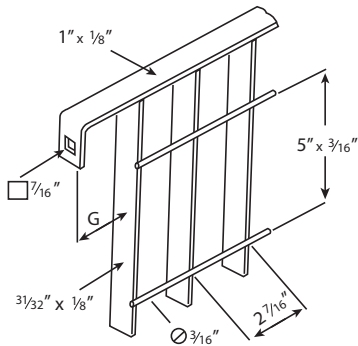
2.0 lb.	2.0	4	8	1.33	5.33	.940	3.44	.387	.250	.730	9	2.25	48
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WINDOW GUARDS

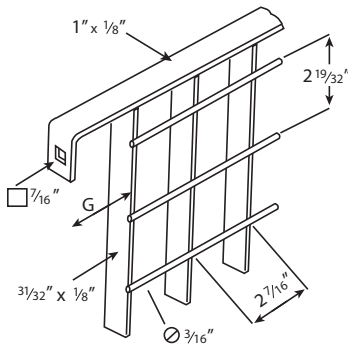
Ametco Standard Mesh Designs for Window Guards

Metro



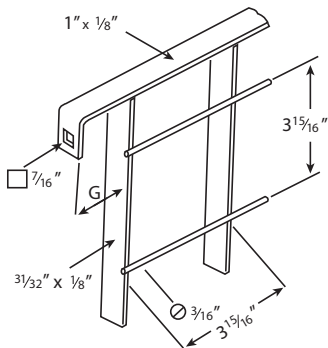
Specify:
Electro-forged welded steel fencing. Ametco Metro design—
31/32" x 1/8" main bar. 3/16" round cross bar, 2 7/16" x 5 3/16"
mesh. Galvanized to ASTM 123 and/or powder polyester coated.

Lattice



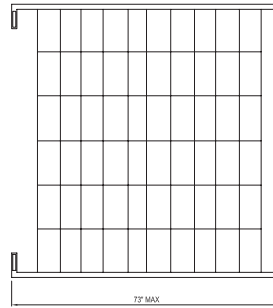
Specify:
Electro-forged welded steel fencing. Ametco Lattice design—
31/32" x 1/8" main bar. 3/16" round cross bar, 2 7/16" x 2 19/32"
mesh. Galvanized to ASTM 123 and/or powder polyester coated.

Stadium

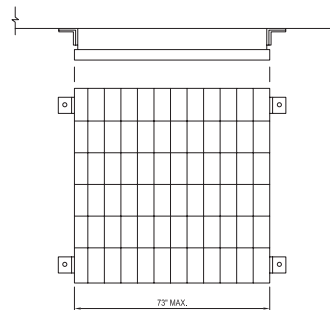


Specify:
Electro-forged welded steel fencing. Ametco Stadium design—
31/32" x 1/8" main bar. 3/16" round cross bar, 3 15/16" x 3 15/16"
mesh. Galvanized to ASTM 123 and/or powder polyester coated.

Inside Mounting



Face Mounting



For widths over 73", a 2" square tube will be used in place of
plat bar top and bottom. Height over 60" will have centers
mounting flange.

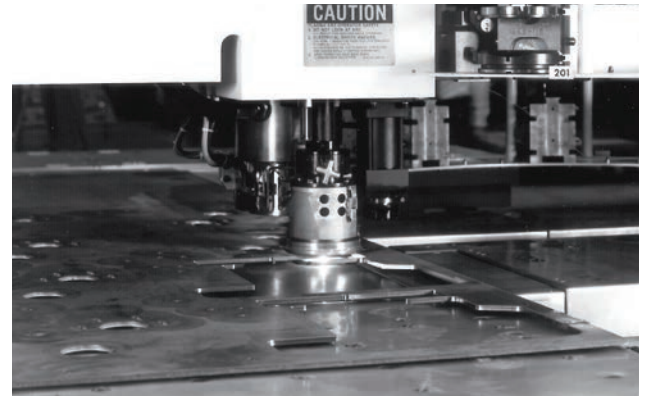
■ METAL FABRICATION

Ametco Manufacturing is home to a sophisticated metal working and fabricating shop designed to deliver high precision products. All Ametco welders are AWS certified. Whether you're looking for a prototype part or to setup for a production run of thousands, we'll manufacture your product professionally and economically.

A constant investment in state-of-the-art equipment positions Ametco perfectly as a long term manufacturing partner, and as a source for over flow work. Our 50,000 sq. ft. Willoughby, Ohio plant is designed to handle a wide variety of metalworking tasks, and to track those jobs all the way through the plant. You get quality craftsmanship with on-time delivery...All at a great price!

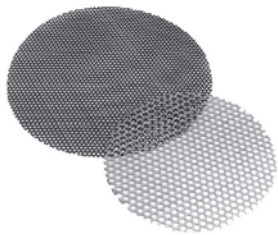
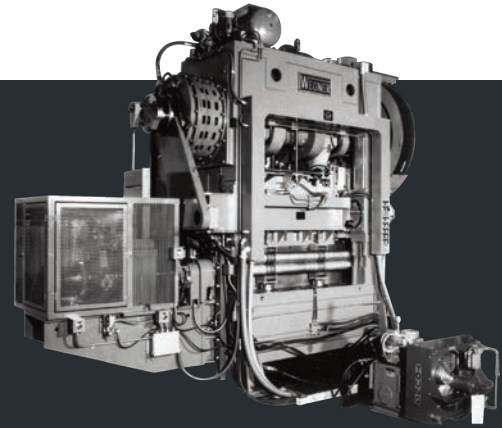
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- Tungsten and Metal Inert Gas Welding



■ Punch/Plasma Fabricating Center combines punching/cutting into a single operation

- Do you find yourself turning away orders because you don't have the facilities to complete the job?
 - Or, would you like to sell more than just raw stock sheets? Ametco can help you get those orders. We employ a myriad of operations to deliver just what you're after. We'll perforate your specific metal sheet and then fabricate it into just about anything you need to capture that order...All at one low price.
- Don't just fill orders, fill needs!*



Screens

- Circle Shearing



Guard

- Shear
- Punch & Form



Heater Guard

- Shear
- NC Punching & Forming



Stainless Basket

- Shearing
- Forming NC Notching
- De-greasing
- Assembly
- Spot Welding



Guard

- Circle Shearing
- NC Punching & Forming



Step

- Shear
- NC Punching
- Notching & Forming



Basket

- Circle Shearing
- Rolling & Welding



Filter Center Tube

- Shearing, Rolling & Welding



Tube Tray

- NC Punching
- Forming & Spot Welding



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Flexible manufacturing of perforated metals and plastics is the hallmark of Ametco's business. We stock all types of metal sheets, gauges, and hole patterns for immediate delivery. Our sophisticated presses knock out production and short run custom design patterns to meet most any need. Ametco also manufactures a wide range of architectural products. All of Ametco products are manufactured in the USA at our Willoughby, Ohio plant.

THE FABRICATOR

Our fabricating shop builds finished products and parts to meet your needs. Starting with perforated metal and plastic, expanded metal, or plain sheet metal, Ametco employs a myriad of different operations to complete your project.

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A full service stocking program on a wide range of metal and plastic products positions us to provide immediate delivery from our warehouse. Our ready-to-ship program keeps your projects on time! Give us a call on your next order...You'll be glad you did.

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