

DIAMOND

PERFORATED METALS, INC.

MANUFACTURERS OF PERFORATED AND EXPANDED METALS

STOCK CATALOG



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Welcome to Diamond Perforated Metals, Inc.

Your complete 100% satisfaction is our mission; if it's perforated, we have it on the shelf or we'll make it.

Diamond is a full line perforating company founded in 1956. In 1994, Diamond built a state of the art manufacturing facility with very careful consideration of process flow and manufacturing efficiencies allowing us to offer superior products at competitive prices.

Doing business with Diamond will be both a pleasant and rewarding experience. Our highly trained sales staff has an extensive amount of resources to provide fast quotes and excellent customer service.

Diamonds quality is second to none. We are ISO 9001-2000 certified and take a large amount of pride in our employees experience and our formal training programs. Our equipment operators are skilled craftsmen that take pride in their work.

Please keep in mind as you look through this catalog that only our stock items are listed. We have an extensive inventory of tooling to offer many other hole patterns and designs. If you don't find exactly what you're looking for, it would be our pleasure to assist you in finding a custom design to meet your requirements.

Also, please visit our web site at www.diamondperf.com for the latest information on our products and services.

Yours truly,

Guy K. Anderson



PERFORATED AND EXPANDED METALS

We manufacture and stock one of the largest and most complete selections of Perforated and Expanded Metals in the country.

Whatever your Perforating or Expanding needs may be, Diamond Perforated Metals has the Sales and Production staff to get the job done. We have the tools and know how to get you the product you need, when you need it.

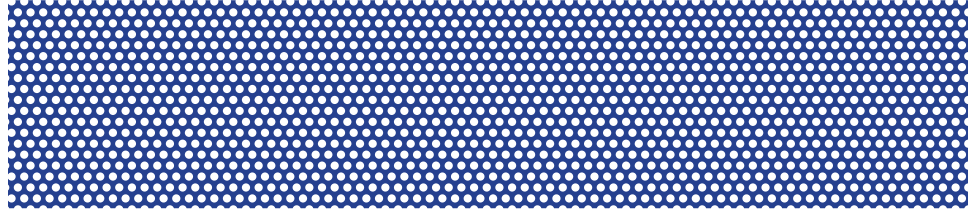
MATERIALS:	Steel, Aluminum, Stainless Steel, Brass, Galvanized Steel, Tinplate, Copper, Monel, Inconel, Titanium, Zinc, and Plastics.
COILS:	.010" to 14 Ga. - 60" wide up to 19,500#.
SHEETS:	.018" to .250" thick - 60" x 240"
PATTERNS:	Rounds, Squares, Slots, Ovals, Hex, Ornamentals, and Custom Designs.
OTHER CAPABILITIES:	Precision Leveling, Shearing, Cut-to-length, CNC Turret Presses, Stamping, Blanking, Notching, Degreasing

We are committed to provide the best perforated and expanded metals at the best price and with the best quality and service.

***TRY US. YOU WILL LIKE OUR
QUALITY, SERVICE, AND PRICE.***

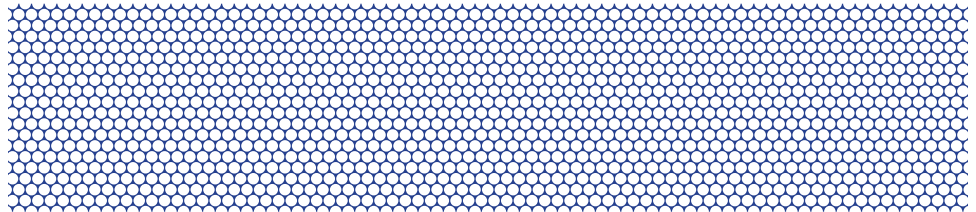
DIAMOND PERFORATED METALS
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sales@diamondperf.com

**1/32" Diameter 1/16"
Staggered Centers**
265 Holes PSI
23% Open Area



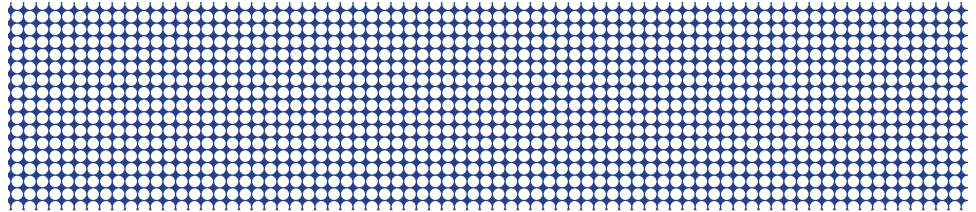
<i>Item No.</i>	<i>Material</i>	<i>Gauge</i>	<i>Sheet Size</i>
3611	S/S T304-2B	26	36X120

**3/64" Diameter 1/16"
Staggered Centers**
257 Holes PSI
51% Open Area



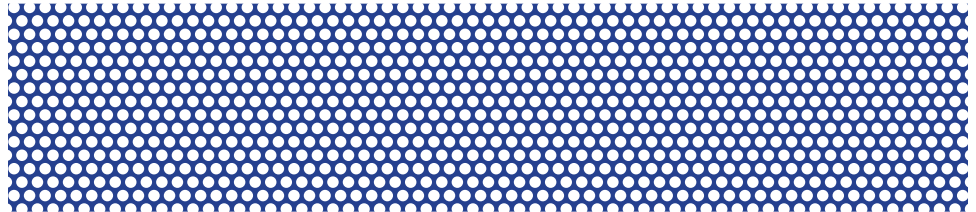
<i>Item No.</i>	<i>Material</i>	<i>Gauge</i>	<i>Sheet Size</i>
3005	STEEL	24	36X120

**3/64" Diameter 1/16"
Straight Centers**
229 Holes PSI
45% Open Area



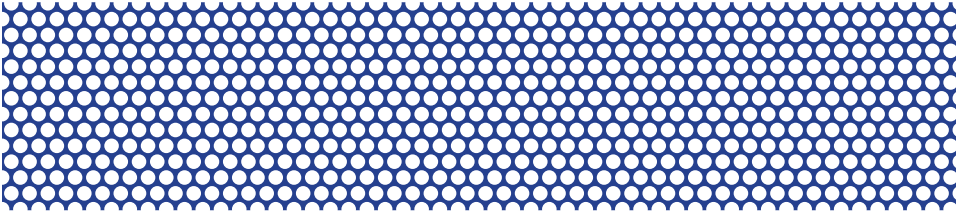
<i>Item No.</i>	<i>Material</i>	<i>Gauge</i>	<i>Sheet Size</i>
3008	STEEL	24	36X120

**3/64" Diameter 5/64"
Staggered Centers**
164 Holes PSI
32% Open Area



<i>Item No.</i>	<i>Material</i>	<i>Gauge</i>	<i>Sheet Size</i>
3812	ALU 5032-H32	.032	36X120
3605	S/S T304-2B	24	36X120

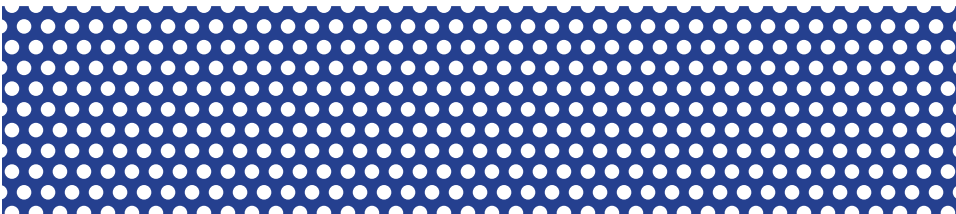
Diamond now offers at no additional charge degreased stock perforated stainless steel out of select warehouses. Please contact your sales representative for details.



1/16" Diameter 3/32" Staggered Centers

128 Holes PSI
44% Open Area

<i>Item No.</i>	<i>Material</i>	<i>Gauge</i>	<i>Sheet Size</i>
3636	S/S T304-2B	26	36X120
3638	S/S T304-2B	22	36X120
3253	STEEL	22	36X120

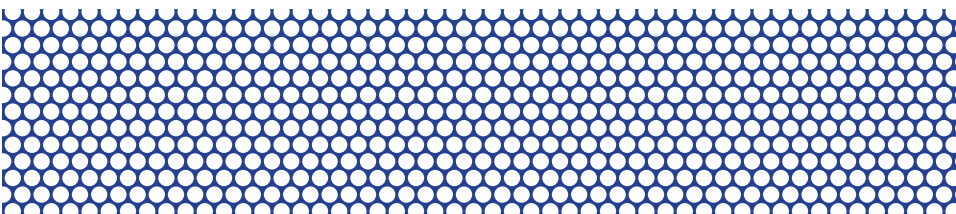


1/16" Diameter 1/8" Staggered Centers

74 Holes PSI
25% Open Area

<i>Item No.</i>	<i>Material</i>	<i>Gauge</i>	<i>Sheet Size</i>
3822	ALU 5032-H32	.032	36X120
3825	ALU 5032-H32	.063	36X120
3826	ALU 5032-H32	.063	48X120
3410	GAL Electro	24	36X84
3412	GAL Electro	24	48X84
3631	S/S T304-2B	24	36X120
3632	S/S T304-2B	22	36X120
3633	S/S T304-2B	20	36X120
3635	S/S T304-2B	20	48X120

<i>Item No.</i>	<i>Material</i>	<i>Gauge</i>	<i>Sheet Size</i>
3009	STEEL	24	36X84
3009A	STEEL	24	48X84
3002	STEEL	24	48X96
3011	STEEL	22	36X120
3012	STEEL	20	36X120
3110	STEEL	20	48X120
3111	STEEL	18	48X120
3112	STEEL	16	48X120



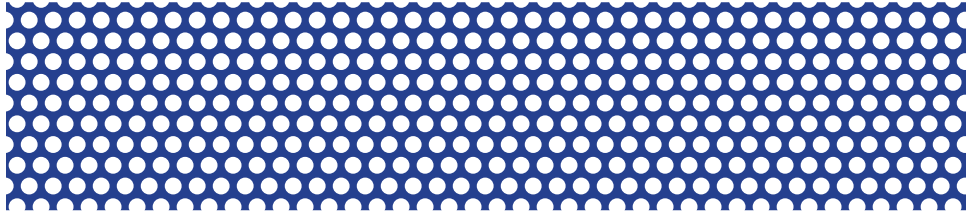
.075" Diameter .100" Staggered Centers

116 Holes PSI
51% Open Area

<i>Item No.</i>	<i>Material</i>	<i>Gauge</i>	<i>Sheet Size</i>
3027	STEEL	20	36X120

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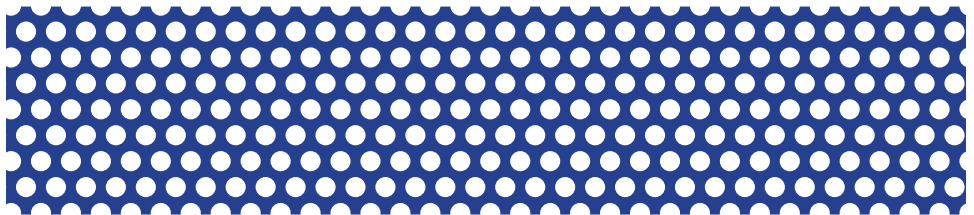
5/64" Diameter 1/8" Staggered Centers
74 Holes PSI
35% Open Area



Item No.	Material	Gauge	Sheet Size
3312	ALU 5052-H32	.063	48X120
3662A	S/S T304-2B	20	48X120
3022	STEEL	20	36X120
3120	STEEL	20	48X120

Item No.	Material	Gauge	Sheet Size
3121	STEEL	18	48X120
3024	STEEL	16	36X120
3122	STEEL	16	48X120
3123	STEEL	14	48X120

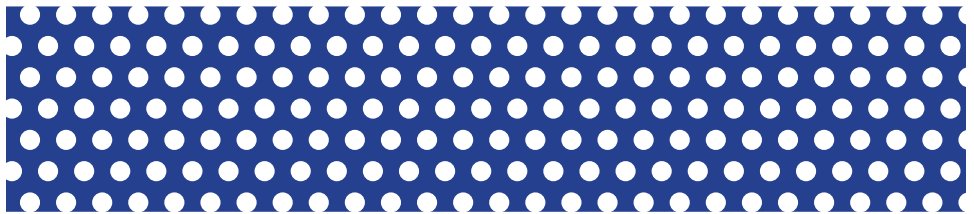
3/32" Diameter 5/32" Staggered Centers
47 Holes PSI
33% Open Area



Item No.	Material	Gauge	Sheet Size
3832	ALU 5052-H32	.032	36X120
3835	ALU 5052-H32	.063	36X120
3641	S/S T304-2B	24	36X120
3643	S/S T304-2B	22	36X120
3645	S/S T304-2B	20	36X120
3647	S/S T304-2B	18	36X120

Item No.	Material	Gauge	Sheet Size
3648	S/S T304-2B	16	36X120
3649	S/S T304-2B	16	48X120
3131	STEEL	20	48X120
3132	STEEL	18	48X120
3034	STEEL	16	36X120
3133	STEEL	16	48X120

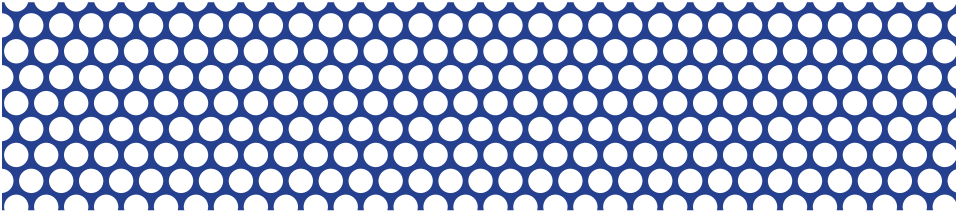
3/32" Diameter 3/16" Staggered Centers
33 Holes PSI
23% Open Area



Item No.	Material	Gauge	Sheet Size
3408	GAL Electro	24	36X84
3421	GAL Electro	24	48X84
3413	GAL Electro	24	48X96
3819	GAL G90	22	48X120

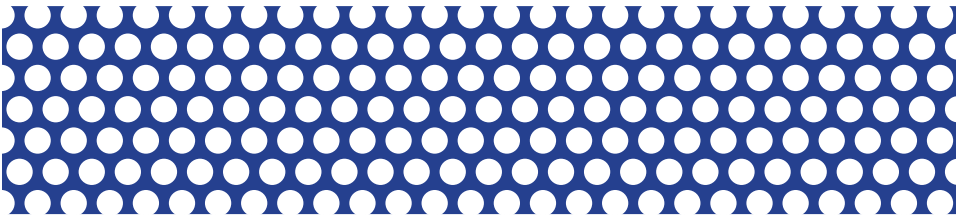
Item No.	Material	Gauge	Sheet Size
3004	STEEL	24	36X84
3006	STEEL	24	48X84
3001	STEEL	24	48X96

Diamond now offers at no additional charge degreased stock perforated stainless steel out of select warehouses. Please contact your sales representative for details.



**.117" Diameter 5/32"
Staggered Centers**
47 Holes PSI
51% Open Area

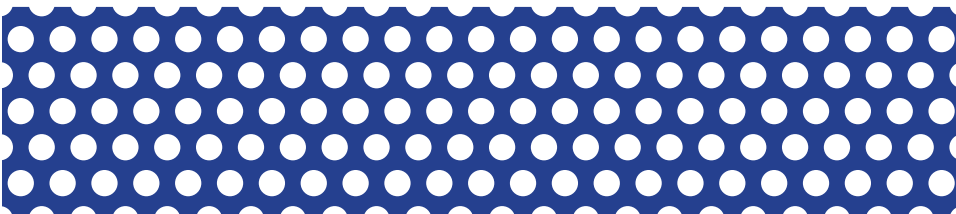
<i>Item No.</i>	<i>Material</i>	<i>Gauge</i>	<i>Sheet Size</i>
3036	STEEL	18	48X120



**1/8" Diameter 3/16"
Staggered Centers**
33 Holes PSI
41% Open Area

<i>Item No.</i>	<i>Material</i>	<i>Gauge</i>	<i>Sheet Size</i>
3842	ALU 5052-H32	.032	36X120
3843	ALU 5052-H32	.040	36X120
3303	ALU 5052-H32	.040	48X120
3844	ALU 5052-H32	.050	36X120
3864	ALU 5052-H32	.050	48X120
3845	ALU 5052-H32	.063	36X120
3315	ALU 5052-H32	.063	48X120
3821A	ALU 5052-H32	.125	48X120
3147	GAL G90	20	48X120
3653	S/S T304-2B	22	36X120
3654	S/S T304-2B	22	48X120
3655	S/S T304-2B	20	36X120
3652	S/S T304-2B	20	48X120
3656A	S/S T304-2B	18	36X120
3656	S/S T304-2B	18	48X120

<i>Item No.</i>	<i>Material</i>	<i>Gauge</i>	<i>Sheet Size</i>
3657	S/S T304-2B	16	36X120
3658	S/S T304-2B	16	48X120
3654A	S/S T304-2B	14	48X120
3682	S/S T304-2B	11	48X120
3640	S/S T316L	16	48X120
3039	STEEL	24	36X120
3047	STEEL	22	48X120
3041	STEEL	20	36X120
3141	STEEL	20	48X120
3042	STEEL	18	36X120
3142	STEEL	18	48X120
3043	STEEL	16	36X120
3143	STEEL	16	48X120
3144	STEEL	14	48X120
3146	STEEL	11	48X120



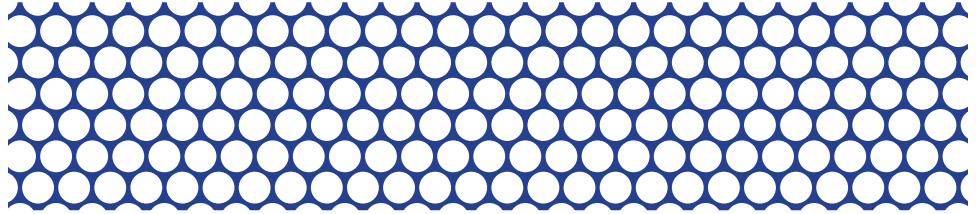
**1/8" Diameter 7/32"
Staggered Centers**
24 Holes PSI
31% Open Area

<i>Item No.</i>	<i>Material</i>	<i>Gauge</i>	<i>Sheet Size</i>
3154	GAL G90	22	48X120
3145	STEEL	12	48X120

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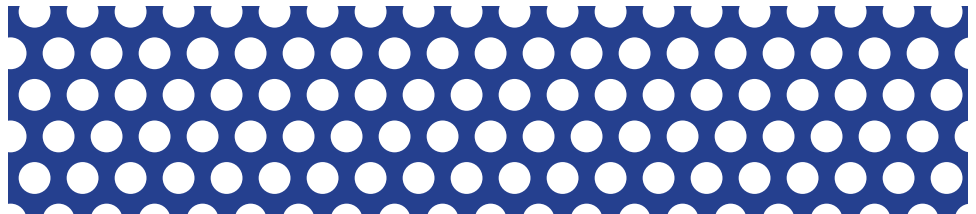
PERFORATED METAL

5/32" Diameter 3/16"
Staggered Centers
 33 Holes PSI
 63% Open Area



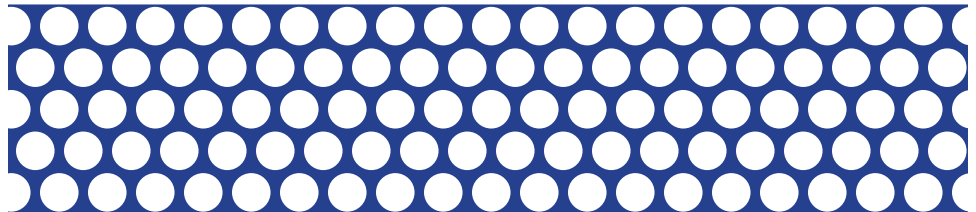
<i>Item No.</i>	<i>Material</i>	<i>Gauge</i>	<i>Sheet Size</i>	<i>Item No.</i>	<i>Material</i>	<i>Gauge</i>	<i>Sheet Size</i>
3849	ALU 5052-H32	.050	36X120	3051	STEEL	20	36X120
3148	ALU 5052-H32	.063	48X120	3151	STEEL	20	48X120
3606	S/S T304-2B	20	48X120	3052	STEEL	18	36X120
3660	S/S T304-2B	18	36X120	3151A	STEEL	18	48X120
3608	S/S T304-2B	18	48X120	3057	STEEL	16	36X120
3628	S/S T304-2B	16	48X120	3152	STEEL	16	48X120
3050	STEEL	22	36X120				

5/32" Diameter 1/4"
Staggered Centers
 19 Holes PSI
 36% Open Area



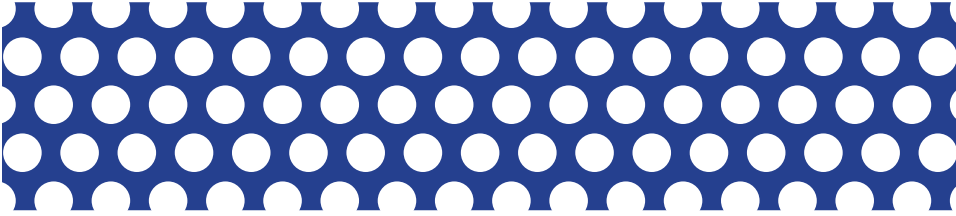
<i>Item No.</i>	<i>Material</i>	<i>Gauge</i>	<i>Sheet Size</i>
3153	STEEL	10	48X120

3/16" Diameter 1/4"
Staggered Centers
 19 Holes PSI
 53% Open Area



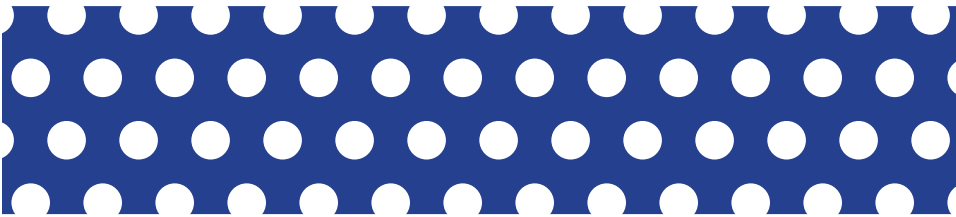
<i>Item No.</i>	<i>Material</i>	<i>Gauge</i>	<i>Sheet Size</i>	<i>Item No.</i>	<i>Material</i>	<i>Gauge</i>	<i>Sheet Size</i>
3851	ALU 5052-H32	.032	36X120	3634	S/S T304-2B	14	48X120
3301	ALU 5052-H32	.040	48X120	3642	S/S T316L	16	48X120
3854	ALU 5052-H32	.063	36X120	3087	STEEL	24	25X25
3314	ALU 5052-H32	.063	48X120	3060	STEEL	22	36X120
3415	GAL G90	18	48X120	3077	STEEL	22	48X120
3630A	S/S T304-2B	22	48X120	3161	STEEL	20	48X120
3664	S/S T304-2B	20	36X120	3062	STEEL	18	36X120
3669	S/S T304-2B	20	48X120	3162	STEEL	18	48X120
3666	S/S T304-2B	18	36X120	3063	STEEL	16	36X120
3665	S/S T304-2B	18	48X120	3163	STEEL	16	48X120
3667	S/S T304-2B	16	36X120	3164	STEEL	14	48X120
3668	S/S T304-2B	16	48X120	3165	STEEL	12	48X120

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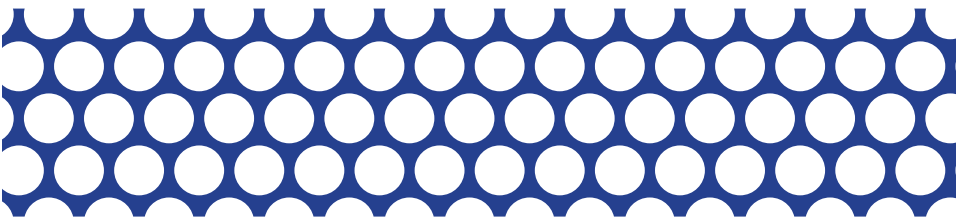
3/16" Diameter 5/16" Staggered Centers
 13 Holes PSI
 37% Open Area

<i>Item No.</i>	<i>Material</i>	<i>Gauge</i>	<i>Sheet Size</i>
3065	STEEL	16	36X120
3166	STEEL	10	48X120
3167	STEEL	3/16	48X120



3/16" Diameter 3/8" Staggered Centers
 8 Holes PSI
 23% Open Area

<i>Item No.</i>	<i>Material</i>	<i>Gauge</i>	<i>Sheet Size</i>
3302	ALU 5052-H32	.040	48X120



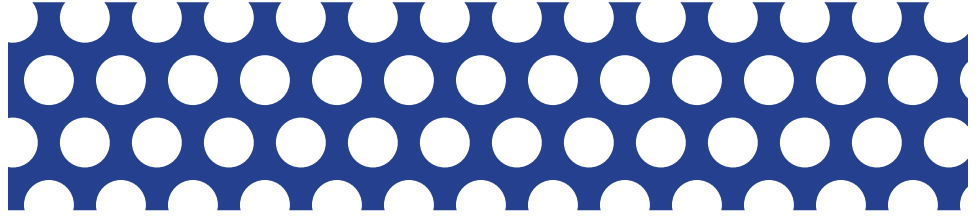
1/4" Diameter 5/16" Staggered Centers
 12 Holes PSI
 58% Open Area

<i>Item No.</i>	<i>Material</i>	<i>Gauge</i>	<i>Sheet Size</i>
3670	S/S T304-2B	16	48X120
3675	S/S T304-2B	14	48X120
3181	STEEL	18	36X120
3180	STEEL	16	36X120
3186	STEEL	16	48X120
3182	STEEL	14	48X120

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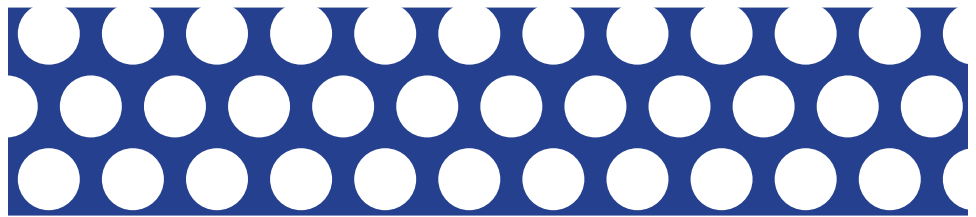
PERFORATED METAL

1/4" Diameter 3/8" Staggered Centers
8 Holes PSI
40% Open Area



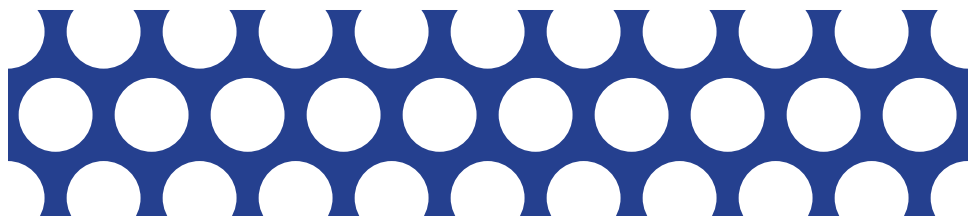
<i>Item No.</i>	<i>Material</i>	<i>Gauge</i>	<i>Sheet Size</i>	<i>Item No.</i>	<i>Material</i>	<i>Gauge</i>	<i>Sheet Size</i>
3814	ALU 5052-H32	.032	36X120	3688	S/S T304-2B	11	48X120
3345	ALU 5052-H32	.050	48X120	3644	S/S T316L	16	48X120
3305	ALU 5052-H32	.063	48X120	3171	STEEL	20	48X120
3859	ALU 5052-H32	.125	48X120	3124	STEEL	18	48X120
3671	S/S T304-2B	20	36X120	3173	STEEL	16	48X120
3672	S/S T304-2B	20	48X120	3175	STEEL	14	48X120
3683	S/S T304-2B	18	48X120	3053	STEEL	12	48X120
3673	S/S T304-2B	16	36X120	3019	STEEL	11	48X120
3674	S/S T304-2B	16	48X120	3176	STEEL	10	48X120
3679	S/S T304-2B	14	48X120	3178	STEEL	1/4	48X120

5/16" Diameter 7/16" Staggered Centers
6 Holes PSI
46% Open Area



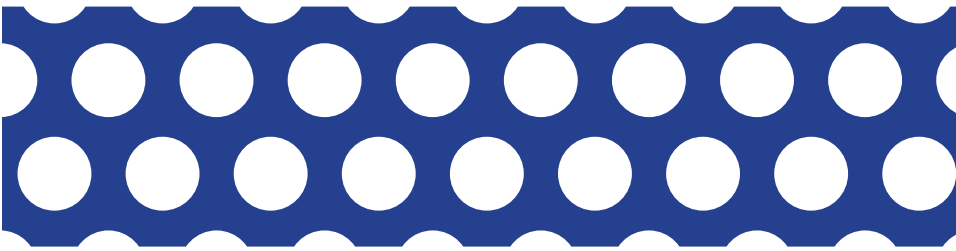
<i>Item No.</i>	<i>Material</i>	<i>Gauge</i>	<i>Sheet Size</i>
3283	STEEL	16	48X120
3049	STEEL	10	48X120
3183	STEEL	1/4	48X120

3/8" Diameter 1/2" Staggered Centers
5 Holes PSI
51% Open Area



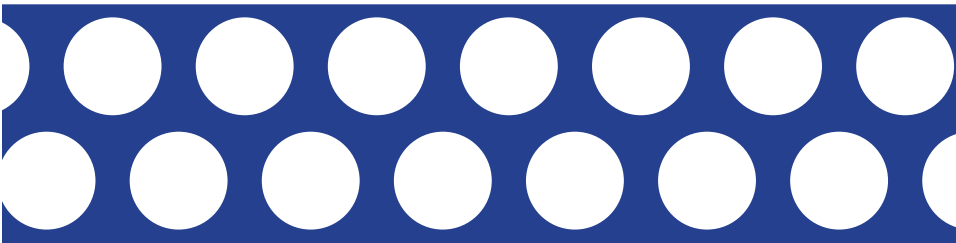
<i>Item No.</i>	<i>Material</i>	<i>Gauge</i>	<i>Sheet Size</i>
3014	STEEL	16	48X120

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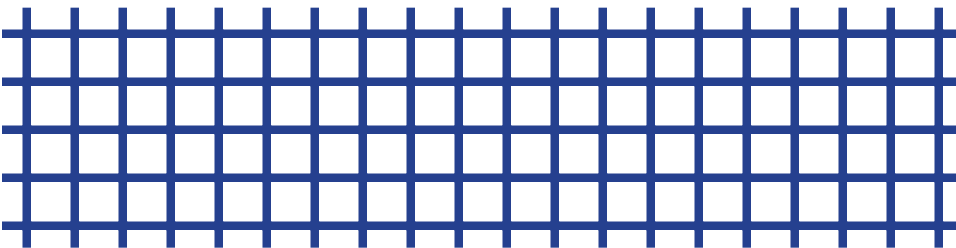
3/8" Diameter 9/16"
Staggered Centers
 3.6 Holes PSI
 40% Open Area

Item No.	Material	Gauge	Sheet Size	Item No.	Material	Gauge	Sheet Size
3867	ALU 5052-H32	.063	48X120	3185	STEEL	14	48X120
3866	ALU 5052-H32	.125	48X120	3196	STEEL	12	48X120
3625	S/S T304-2B	16	48X120	3084	STEEL	11	48X120
3289	S/S T304-2B	14	48X120	3193	STEEL	10	48X120
3191	STEEL	20	48X120	3194	STEEL	3/16	48X120
3192	STEEL	16	48X120	3195	STEEL	1/4	48X120



1/2" Diameter 11/16"
Staggered Centers
 2.4 Holes PSI
 48% Open Area

Item No.	Material	Gauge	Sheet Size	Item No.	Material	Gauge	Sheet Size
3836	ALU 5052-H32	.063	48X120	3202	STEEL	16	48X120
3306	ALU 5052-H32	.125	48X120	3239	STEEL	14	48X120
3677	S/S T304-2B	20	36X120	3196A	STEEL	11	48X120
3678	S/S T304-2B	16	36X120	3204	STEEL	10	48X120
3275	S/S T304-2B	16	48X120	3205	STEEL	3/16	48X120
3689	S/S T304-2B	11	48X120	3206	STEEL	1/4	48X120
3201	STEEL	20	48X120				

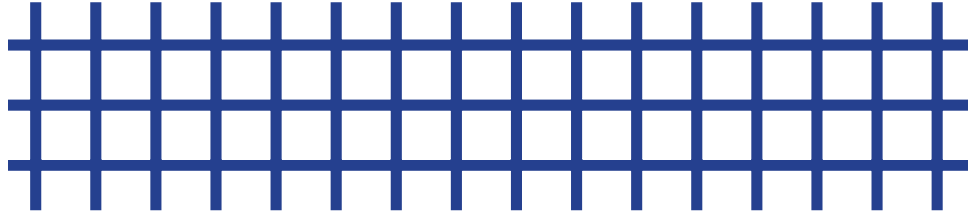


.200" Square 1/4"
Straight Centers
 20 Holes PSI
 64% Open Area

Item No.	Material	Gauge	Sheet Size
3751	ALU 5052-H32	.032	36X120
3701	STEEL	22	36X120
3702	STEEL	20	36X120

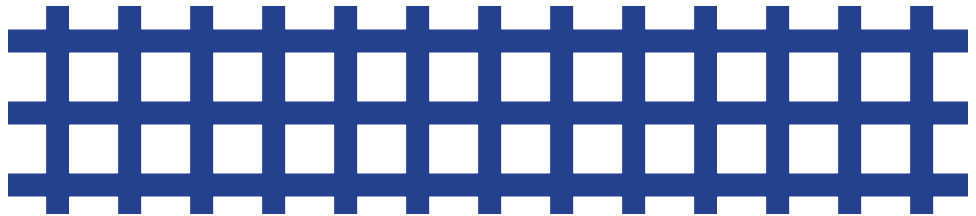
Diamond now offers at no additional charge degreased stock perforated stainless steel out of select warehouses. Please contact your sales representative for details.

.250" Square 5/16"
Straight Centers
 13 Holes PSI
 64% Open Area



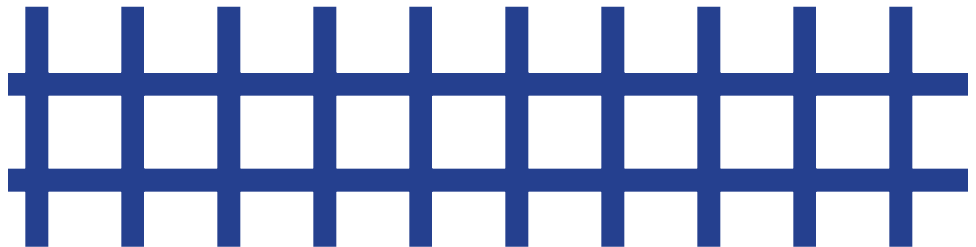
<i>Item No.</i>	<i>Material</i>	<i>Gauge</i>	<i>Sheet Size</i>
3704A	STEEL	20	36X120

.250" Square 3/8"
Straight Centers
 9 Holes PSI
 44% Open Area



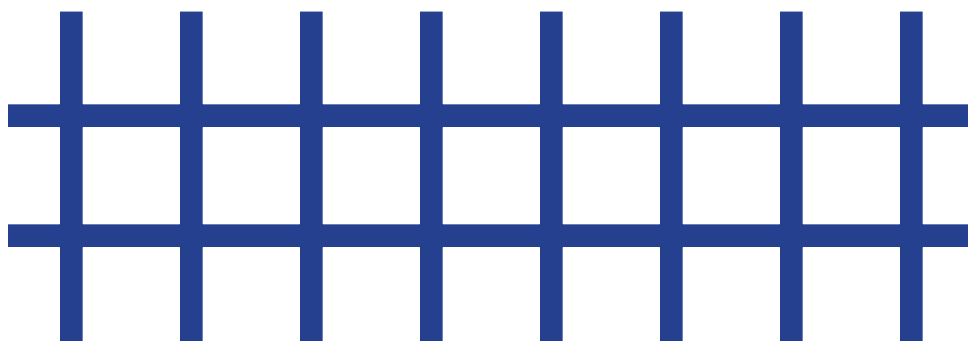
<i>Item No.</i>	<i>Material</i>	<i>Gauge</i>	<i>Sheet Size</i>
3246	STEEL	16	48X120

.375" Square 1/2"
Straight Centers
 5 Holes PSI
 56% Open Area

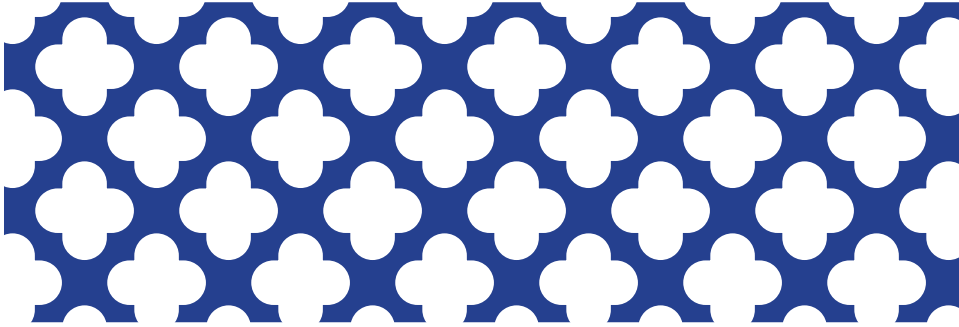


<i>Item No.</i>	<i>Material</i>	<i>Gauge</i>	<i>Sheet Size</i>
3725	STEEL	16	48X120

.500" Square 5/8"
Straight Centers
 3.3 Holes PSI
 64% Open Area

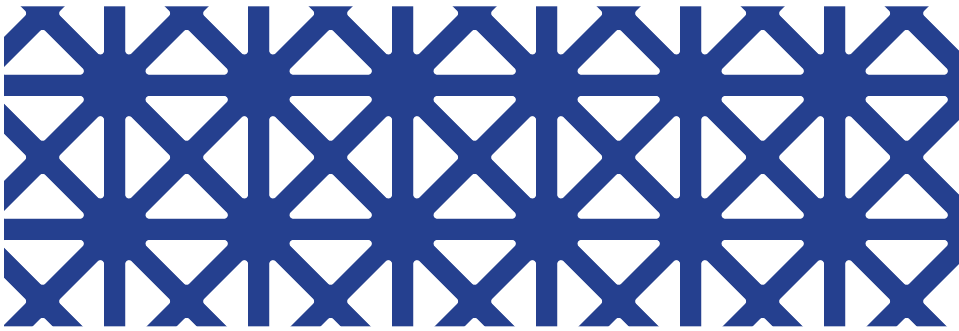


<i>Item No.</i>	<i>Material</i>	<i>Gauge</i>	<i>Sheet Size</i>
3709	STEEL	16	48X120



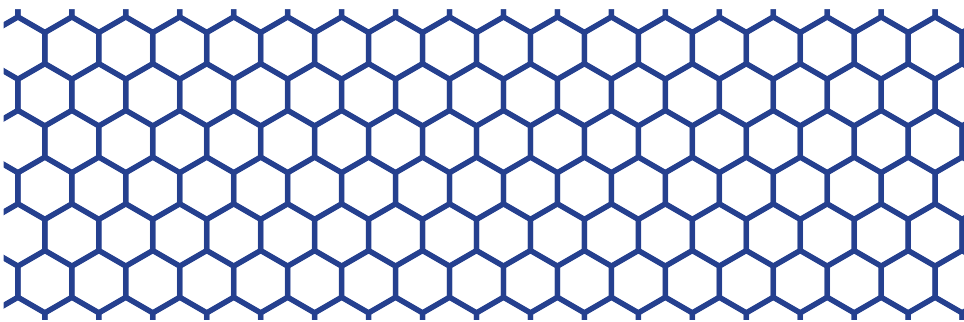
R-28 Cloverleaf
50% Open Area

<i>Item No.</i>	<i>Material</i>	<i>Gauge</i>	<i>Sheet Size</i>
3505	STEEL	22	36X120



R-20 Grecian
35% Open Area

<i>Item No.</i>	<i>Material</i>	<i>Gauge</i>	<i>Sheet Size</i>
3552	ALU 5052-H32	.032	36X120
3502	STEEL	22	36X120



R-40 Hexagon 1/4"
79% Open Area

<i>Item No.</i>	<i>Material</i>	<i>Gauge</i>	<i>Sheet Size</i>
3557	ALU 5052-H32	.032	36X120
3508	STEEL	24	36X120
3507	STEEL	22	36X120

1. Specify quantity and dimensions of sheets, pieces, or panels.

2. Indicate gauge and kind of material. If in doubt, specify thickness in decimals.

3. Size, shape, arrangement, and center of holes. If slotted are selected, specify whether they are to run lengthwise or crosswise of the sheets.

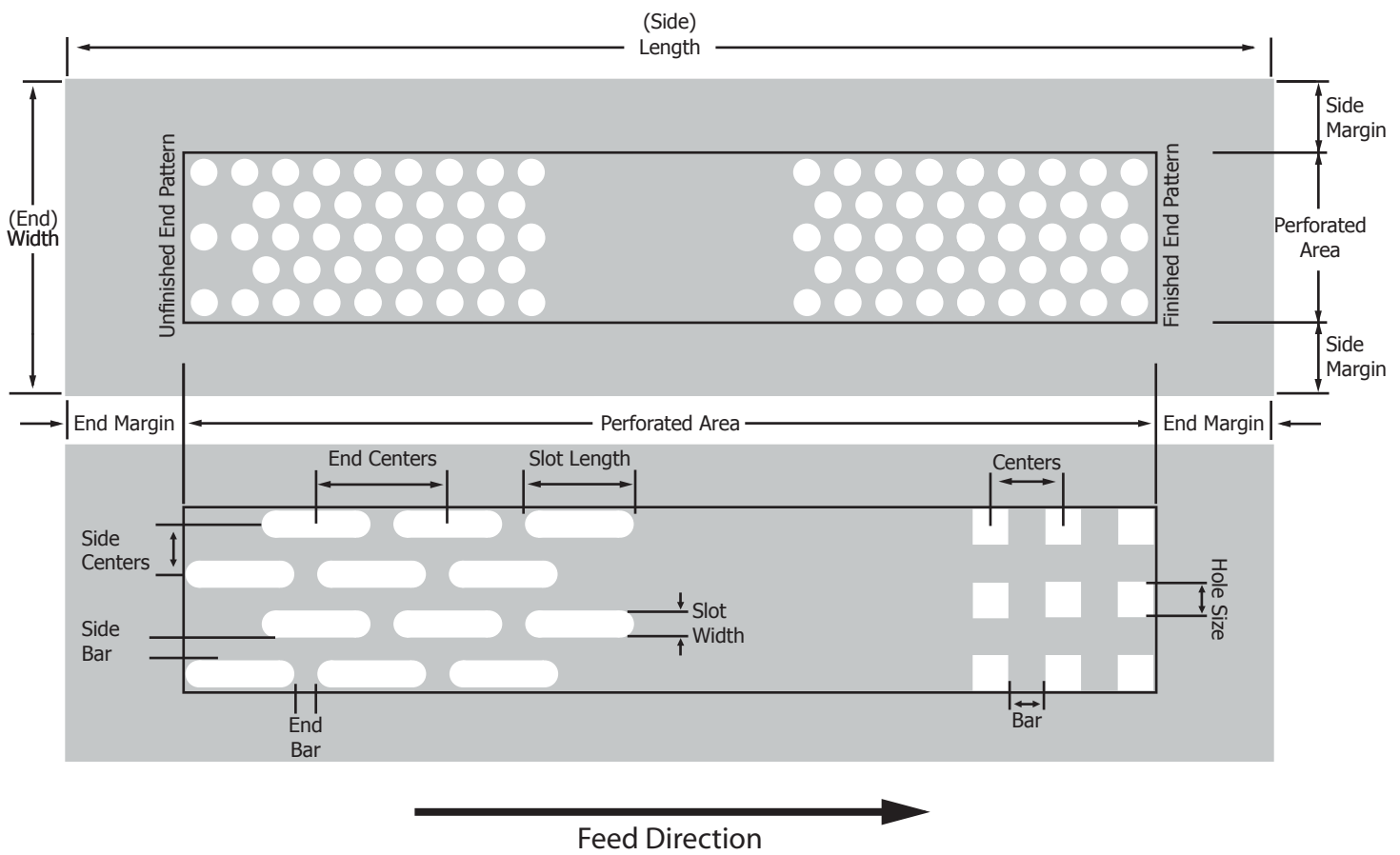
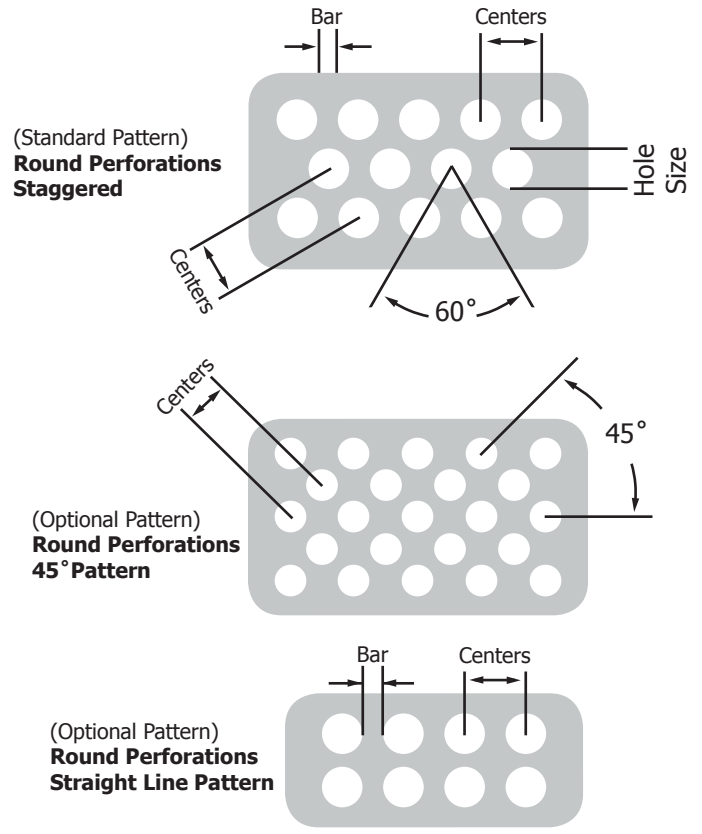
4. Specify widths of all margins.

5. If mounting holes are to be used, give size of holes and locations on margin.

6. Special shipping instructions, if any. Unless otherwise informed, we normally ship by motor freight. If material is to be shipped by rail, please give specific shipping instructions.

7. When custom panels, screens, or other non-standard items are required, send exact specifications.

8. For clarification, submit sketch or print.



Terminology

SWD- "Short way of diamond, or design" dimension; first number is style designation.

LWD- "Long way of diamond, or design" dimension; not used in style designation.

SWO- "Short way of opening" dimension; used to indicate clear opening in the short direction.

LWO- "Long way of opening" dimension; used to indicate clear opening in the long direction.

Strand Thickness- Equal to the thickness of the sheet of metal used. The gauge number or decimal thickness is usually the second number in the style designation.

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

Shearing Tolerances

Bond Sheared: Where two strands intersect. Eliminates prongs or jagged edges.

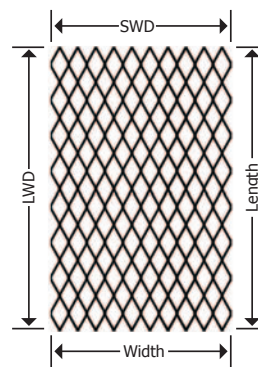
Tolerance: Minus 0 plus 1/2 the design size, either SWD or LWD.

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

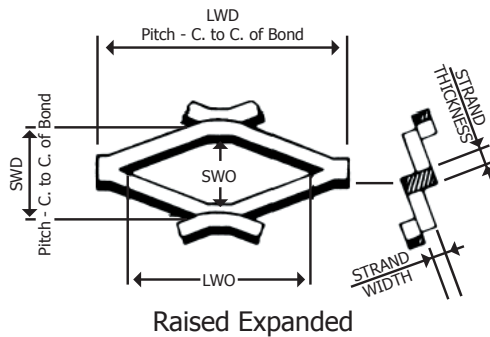
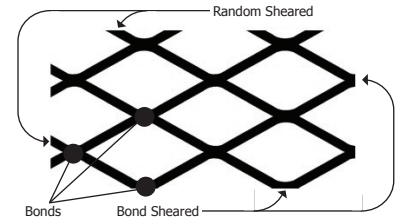
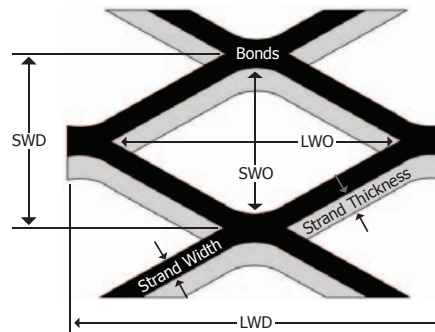
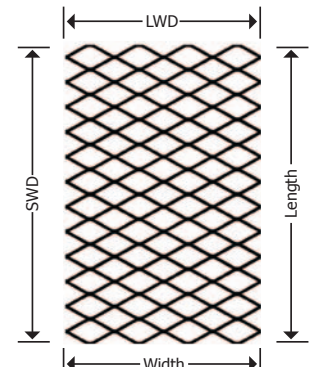
Random Sheared: This type of shearing leaves prongs or jagged edges. Tolerance: $\pm 1/16"$. On grating $\pm 1/8"$.

Standard Sheet Sizes: 48" SWD x 96" LWD.

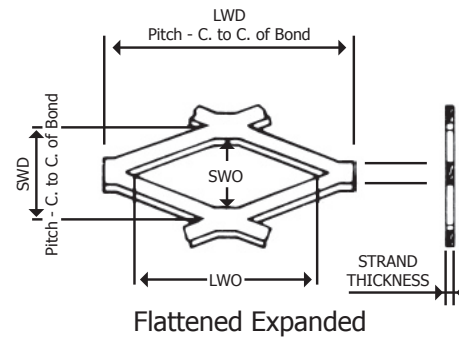
Standard Pattern



Reverse Pattern



Raised Expanded

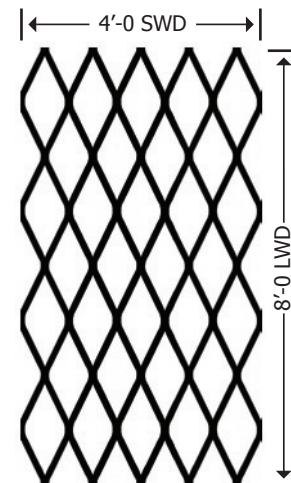


Flattened Expanded

How To Order Expanded Metal

- Specify the size sheet required, listing SWD first.
Example: 4'-0 SWD x 8'-0 LWD
- Specify the number of sheets or pieces required.
- Specify the nominal width of the diamond SWD
Example: 1/4", 1/2", 3/4", 1", 1 1/2", 2"
- Specify the style of the sheet
Example: #20, #18, #16, #13, #9
- Specify R (Raised), F (Flattened)
- Specify the type of metal required
Example: Carbon steel, Stainless steel, Aluminum, etc.

EXAMPLE OF TYPICAL ORDER:
100 SHEETS...3/4"...#9F
4'-0 X 8'-0 CARBON STEEL



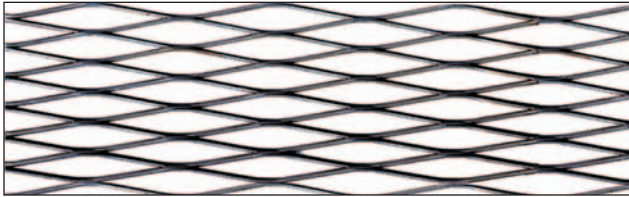
Stock List

Item Number	Description	Material	(R)aised (F)lat	Sheet Size	Item Number	Description	Material	(R)aised (F)lat	Sheet Size
Steel									
4003	1/4 #20	STL	RF	48X96	4109	1-1/2 #13	STL	RF	48X96
4007	1/4 #18	STL	F	48X96	4111	1-1/2 #13	STL	RF	48X120
4008	1/4 #18	STL	R	48X120	4113	1-1/2 #10	STL	RF	48X96
4009	1/4 #18	STL	F	96X48	4124	1-1/2 #9	STL	RF	36X96
4011	1/2 #20	STL	RF	48X96	4116	1-1/2 #9	STL	F	46X84
4010	1/2 #20	STL	RF	48X120	4117	1-1/2 #9	STL	RF	48x96
4015	1/2 #18	STL	RF	48X96	4121	1-1/2 #9	STL	RF	48X120
4013	1/2 #18	STL	RF	48X120	4123	1-1/2 #9	STL	R	72X120
4020	1/2 #16	STL	F	36X96	4125	1-1/2 #6	STL	R	48X96
4022	1/2 #16	STL	RF	36X120	4130	2" #9	STL	R	48X96
4023	1/2 #16	STL	RF	48X96	Aluminum 5005-H34				
4029	1/2 #16	STL	RF	48X120	4403	1/2 .051	ALU	RF	48X96
4073	1/2 #16	STL	F	60X96	4401	1/2 .051	ALU	R	48X120
4030	1/2 #16	STL	F	60X120	4405	1/2 .081	ALU	RF	48X96
4501	1/2 #16	STL	RF	96X48	4404	1/2 .081	ALU	RF	48X120
4040	1/2 #13	STL	F	36X120	4406	3/4 .051	ALU	RF	48X96
4033	1/2 #13	STL	RF	48X96	4407	3/4 .081 LT	ALU	RF	48X96
4039	1/2 #13	STL	RF	48X120	4409	3/4 .081 HVY	ALU	RF	48X96
4031	1/2 #13	STL	F	60X120	4410	3/4 .125	ALU	RF	48X96
4042	3/4 #16	STL	RF	36X120	4413	1-1/2 .051	ALU	RF	48X96
4041	3/4 #16	STL	RF	48X96	4411	1-1/2 .081	ALU	RF	48X96
4043	3/4 #16	STL	RF	48X120	4412	1-1/2 .125	ALU	RF	48X96
4502	3/4 #16	STL	F	120X36	4416	1-1/2 .125	ALU	RF	48X120
4050	3/4 #13	STL	RF	36X72	4417	1-1/2 .125	ALU	R	48X144
4047	3/4 #13	STL	RF	48X96	Stainless Steel T304-2B				
4049	3/4 #13	STL	RF	48X120	4302	1/2 #18	S/S	F	48X96
4053	3/4 #10	STL	RF	48X96	4304	1/2 #16	S/S	RF	48X96
4059	3/4 #9	STL	RF	48X96	4305	1/2 #13	S/S	RF	48X96
4063	3/4 #9	STL	RF	48X120	4307	3/4 #16	S/S	F	48X96
4065	3/4 #9	STL	RF	60X120	4308	3/4 #13	S/S	RF	48X96
4071	1 #16	STL	RF	48X96	4309	3/4 #9	S/S	RF	48X96
4066	1 #16	STL	RF	48X120	4310	1-1/2 #16	S/S	F	48X96
4101	1-1/2 #16	STL	RF	48X96	4311	1-1/2 #13	S/S	F	48X96
4102	1-1/2 #16	STL	RF	48X120	4313	1-1/2 #9	S/S	RF	48X96

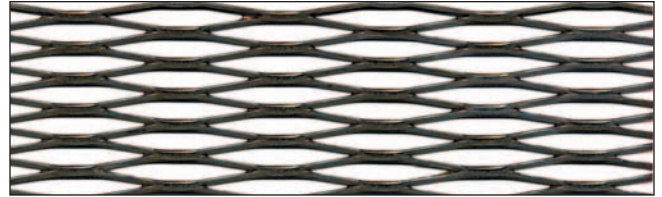
EXPANDED METAL

REGULAR EXPANDED METAL is a finished product as it comes from the press after having been die cut and expanded. The strands and bonds form a sharp angle to the original plane of the solid sheet.

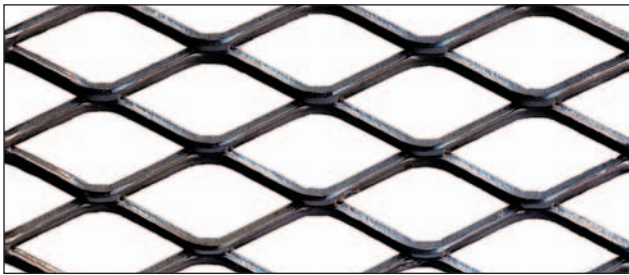
FLATTENED EXPANDED METAL is a regular expanded metal which has been cold rolled, leaving a flat, smooth surface. The length of the sheet is elongated usually by 5% while the width stays the same.



1/4" Regular



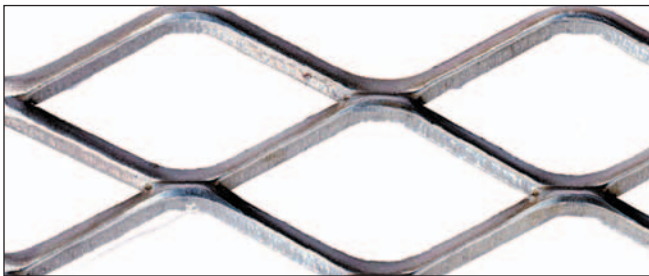
1/4" Flat



1/2" Regular



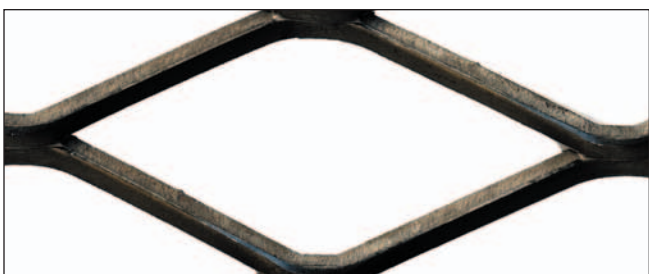
1/2" Flat



3/4" Regular



3/4" Flat



1 1/2" Regular



1 1/2" Flat

Carbon Steel - Regular

Item Number	Style	Lbs. Per Sq. Ft.		Design Size (Inches)		Opening Size (Inches)		Strand Size (Inches)		Overall Thickness (Inches)	No. of Designs Per Ft.		(% Open Area)
		Plain	Galv. Wt.	SWD	LWD	SWO	LWO	Width	Thickness		SWD	LWD	
4141	3.0 lb.	3.0	3.15	1.33	5.33	.940	3.44	.264	.183	.540	9	2.25	60
4153	3.14 lb.	3.14	3.30	2.00	6.00	1.625	4.88	.312	.250	.656	6	2	69
4161	4.0 lb.	4.0	4.18	1.33	5.33	.940	3.44	.300	.215	.618	9	2.25	55
4173	4.27 lb.	4.27	4.46	1.41	4.00	1.00	2.88	.300	.250	.625	8.5	3	58
4181	5.0 lb.	5.0	5.20	1.33	5.33	.813	3.38	.331	.250	.655	9	2.25	50
4191	6.25 lb.	6.25	6.47	1.41	5.33	.813	3.38	.350	.312	.715	8.5	2.25	50
4444	7.0 lb.	7.0	7.25	1.41	5.33	.813	3.38	.391	.318	.740	8.5	2.25	45

Above material meets all requirements of Military Specification MIL-M-17194C and MIL-G 18015 and the deflection requirements of Federal Specification RR-G-661-B.

Aluminum - Grade 5005-H34 - Standard

100	2.0 lb.	2.0		1.33	.533	.940	3.44	.387	.250	.730	9	2.25	48
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Concentrated and Uniform Load Deflection Tables/Fixed Span

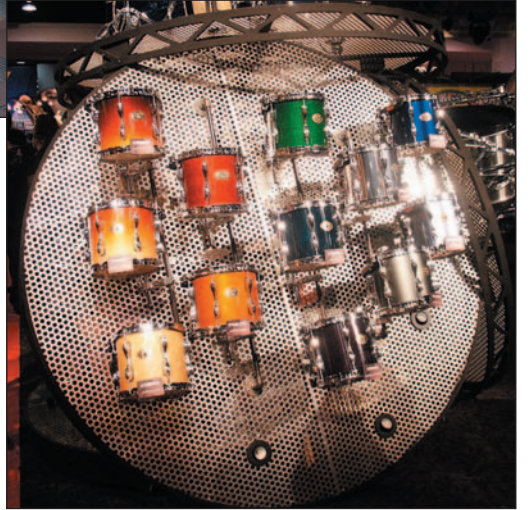
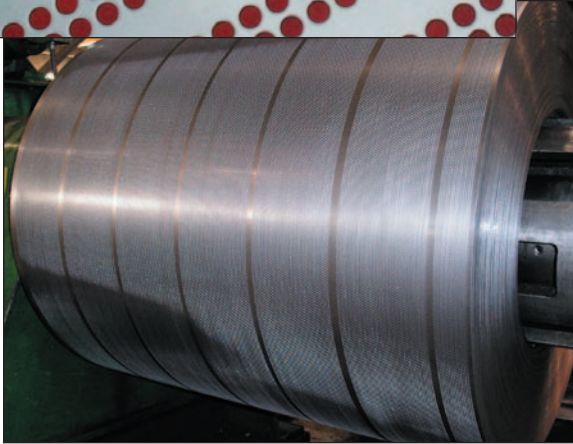
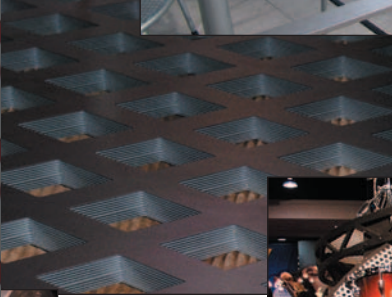
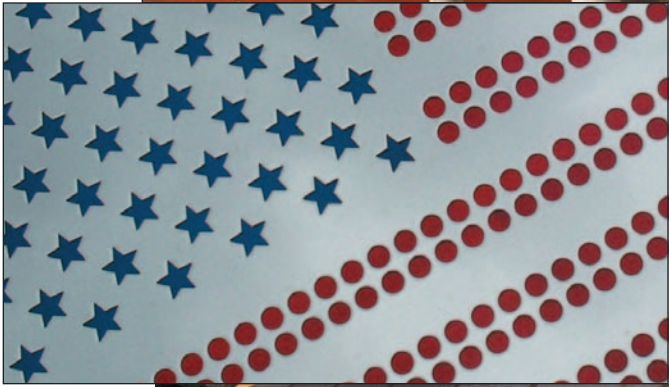
CARBON STEEL

Style (lbs. per sq. ft.)		Span 24"	36"	48"
Carbon				
3#	U	275	100	
	D	.250	.220	
	C	275	165	75
3.14#	D	.250	.250	.250
	U	375	150	50
	D	.250	.240	.250
4#	C	375	155	75
	D	.250	.250	.250
	U	350	150	50
4.27#	D	.240	.245	.250
	C	440	220	100
	D	.250	.250	.250
4.27#	U	500	165	60
	D	.245	.245	.250
	C	400	225	100
5#	D	.250	.240	.250
	U	600	175	100
	D	.240	.240	.250
C	540	310	100	
	D	.245	.250	.250

Style (lbs. per sq. ft.)		Span 24"	36"	48"
Carbon				
6.25#	U	800	300	115
	D	.220	.250	.240
C	800	300	150	
	D	.220	.240	.240
7#	U	800	400	165
	D	.210	.250	.240
C	800	350	175	
	D	.220	.240	.250
Aluminum				
4.27#	C	250	100	50
	D	.250	.250	.250

U = Uniform Load in Lbs. Per Sq. Ft.
 C = Concentrated Load in Lbs. Per Sq. Ft.
 D = Deflection in Inches

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