



EXPERF™ THE EXPERFORATED METAL



NILES EXPANDED METALS & PLASTICS



The perforated metal alternative. . .

EXPERF™ “The Experforated Metal”

NEW series of expanded metals designed to replicate the circular pattern of perforated metals.



Compare experf™ with perforated...

- **EXPERF™** is interchangeable with most perforated patterns and has comparable strength, open area, acoustic and filtration properties.
- **EXPERF™** offers design features that are only available from an expanded metal design.
- **EXPERF™** can save you money because expanding material, rather than punching or perforating the openings saves on the material costs. This “Green Engineering” process can mean significant cost savings and more for your money.

The hole future is changing

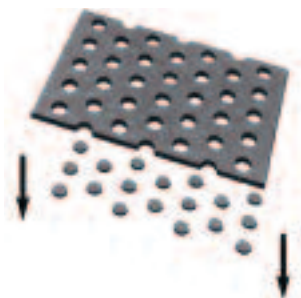
ARCHITECTS, ENGINEERS and **DESIGNERS** now have another option with this ALL NEW line of expanded metal products that offer ideal functional and aesthetic solutions to technical issues.



IDEALLY SUITED APPLICATIONS FOR EXPERF™

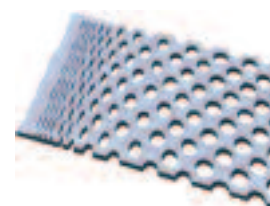
- Acoustics*
- Speaker Grills*
- Filtration*
- Air Intake Screens*
- Ceilings*
- Enclosures*
- Security Screens*
- Lighting*
- Transportation Shelters*
- Room Dividers*
- Facades*
- Trade Show Booths*
- Fencing & Gates*
- Furniture*
- Store Fixtures & Displays*

Perforated Metal



With perforated metals, all the holes are WASTED, and PAID FOR BY YOU

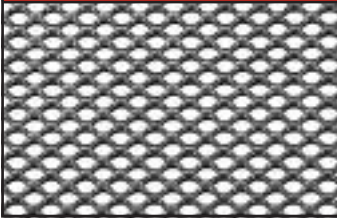
Experf™



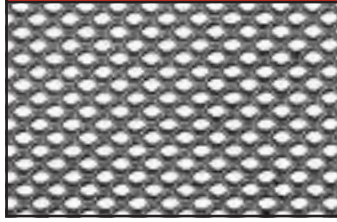
With Experf™, there is no waste which translates to SAVINGS, INCREASED PROFITS & GREATER MARGINS

Carbon Steel EXPERF™ PRODUCTS

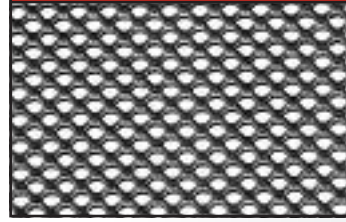
STANDARD 1/16" - #20



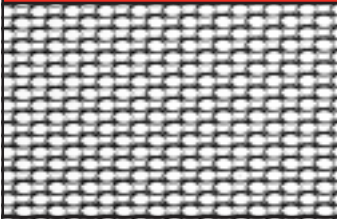
STANDARD 1/16" - #18



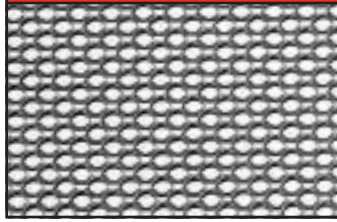
STANDARD 1/16" - #16



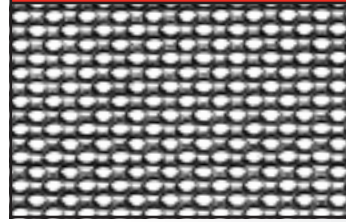
FLATTENED 1/16" - #20



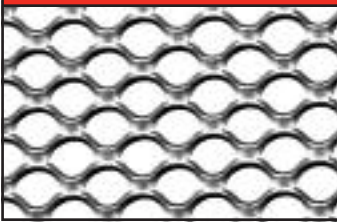
FLATTENED 1/16" - #18



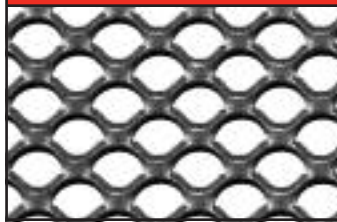
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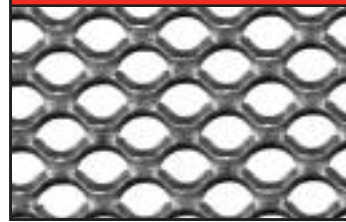
STANDARD 1/8" - #20



STANDARD 1/8" - #18



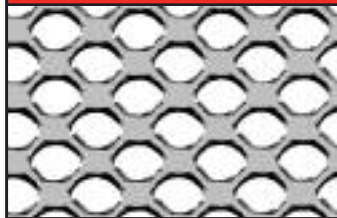
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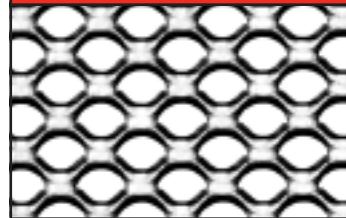
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FLATTENED 1/8" - #18



FLATTENED 1/8" - #16



STANDARD 3/16" - #20



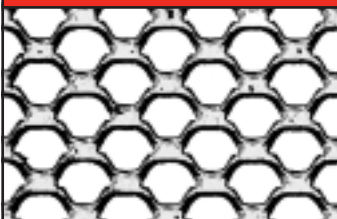
STANDARD 3/16" - #18



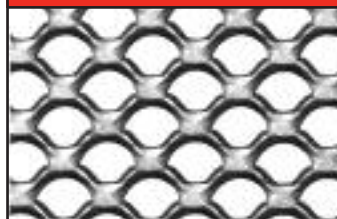
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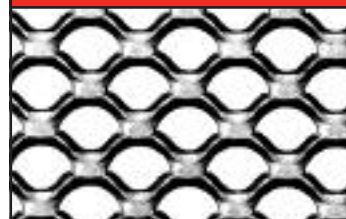
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FLATTENED 3/16" - #18



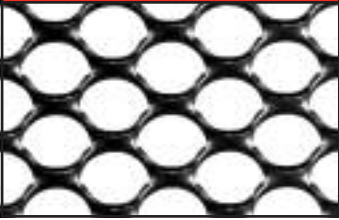
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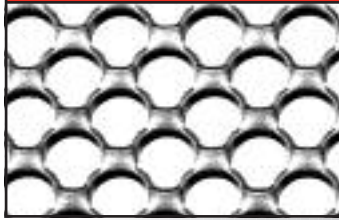
EXPERF™ PRODUCTS

Carbon Steel

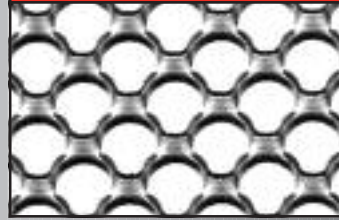
STANDARD 1/4" - #20



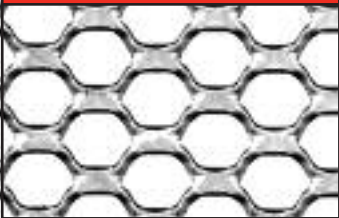
STANDARD 1/4" - #18



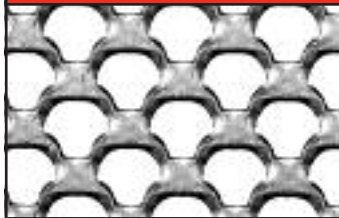
STANDARD 1/4" - #16



FLATTENED 1/4" - #20



FLATTENED 1/4" - #18

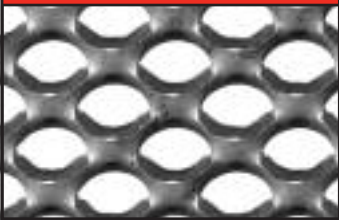


FLATTENED 1/4" - #16

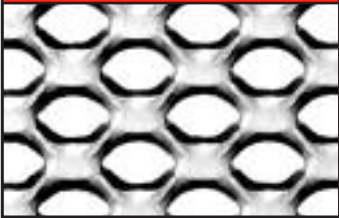


Carbon Steel

STANDARD 1/4" - #14

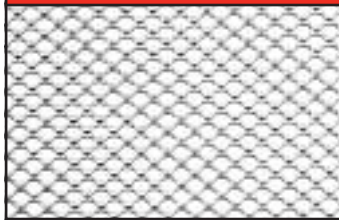


FLATTENED 1/4" - #14

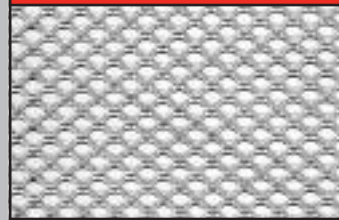


Aluminum

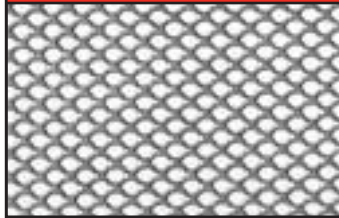
STANDARD 1/16" - #032



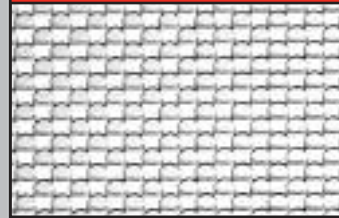
STANDARD 1/16" - #050



FLATTENED 1/16" - #032

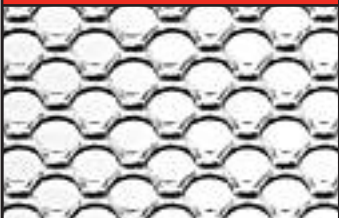


FLATTENED 1/16" - #050



Aluminum

STANDARD 1/8" - #050



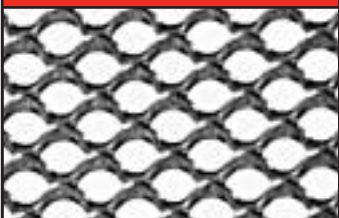
STANDARD 3/16" - #050



STANDARD 1/4" - #050



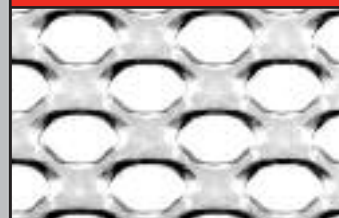
FLATTENED 1/8" - #050



FLATTENED 3/16" - #050

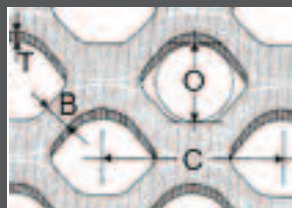


FLATTENED 1/4" - #050



Go beyond perforated. . .

. . .reshape your designs with **EXPERF™**



LEGEND

O = Nominal Opening
B = Bar
T = Thickness / Gauge
C = Centers

EXPERF™ coils and sheets are also available in nickel, copper, brass, bronze, titanium, zinc, galvanized, precious metals and most any ferrous or non-ferrous material.

Custom widths and thicknesses can be manufactured to your specifications

ALUMINUM CARBON STEEL

STYLE	O Opening	T Gauge	C Centers	B Standard	B Flat	Open Area Standard	Open Area Flat	Lbs./CSF Standard	Lbs./CSF Flat	Maximum Width
1/16"	0.063	20	0.197	0.030	0.041	52%	46%	66	66	48"
1/16"	0.063	18	0.197	0.037	0.039	55%	44%	78	76	48"
1/16"	0.063	16	0.197	0.032	0.037	62%	57%	90	88	48"

STYLE	O Opening	T Gauge	C Centers	B Standard	B Flat	Open Area Standard	Open Area Flat	Lbs./CSF Standard	Lbs./CSF Flat	Maximum Width
1/8"	0.125	20	0.315	0.051	0.055	60%	53%	56	64	48"
1/8"	0.125	18	0.315	0.055	0.060	55%	52%	76	74	48"
1/8"	0.125	16	0.315	0.054	0.065	57%	50%	102	100	48"

STYLE	O Opening	T Gauge	C Centers	B Standard	B Flat	Open Area Standard	Open Area Flat	Lbs./CSF Standard	Lbs./CSF Flat	Maximum Width
3/16"	0.188	20	0.394	0.052	0.060	64%	60%	54	52	48"
3/16"	0.188	18	0.394	0.050	0.057	66%	63%	56	54	48"
3/16"	0.188	16	0.394	0.060	0.068	62%	60%	88	86	48"

STYLE	O Opening	T Gauge	C Centers	B Standard	B Flat	Open Area Standard	Open Area Flat	Lbs./CSF Standard	Lbs./CSF Flat	Maximum Width
1/4"	0.250	20	0.500	0.060	0.062	62%	65%	56	50	48"
1/4"	0.250	18	0.500	0.085	0.093	60%	59%	78	72	48"
1/4"	0.250	16	0.500	0.082	0.090	63%	62%	90	84	48"
1/4"	0.250	14	0.500	0.080	0.100	55%	45%	158	156	48"

STYLE	O Opening	T Gauge	C Centers	B Standard	B Flat	Open Area Standard	Open Area Flat	Lbs./CSF Standard	Lbs./CSF Flat	Maximum Width
1/16"	0.063	032	0.197	0.032	0.038	60%	52%	18	18	48"
1/16"	0.063	050	0.197	0.038	0.045	51%	45%	34	32	48"

STYLE	O Opening	T Gauge	C Centers	B Standard	B Flat	Open Area Standard	Open Area Flat	Lbs./CSF Standard	Lbs./CSF Flat	Maximum Width
1/8"	0.125	032	0.315	0.042	0.045	62%	63%	16	16	48"
1/8"	0.125	050	0.315	0.050	0.060	58%	52%	30	28	48"

STYLE	O Opening	T Gauge	C Centers	B Standard	B Flat	Open Area Standard	Open Area Flat	Lbs./CSF Standard	Lbs./CSF Flat	Maximum Width
3/16"	0.188	050	0.394	0.057	0.065	62%	60%	28	26	48"

STYLE	O Opening	T Gauge	C Centers	B Standard	B Flat	Open Area Standard	Open Area Flat	Lbs./CSF Standard	Lbs./CSF Flat	Maximum Width
1/4"	0.250	050	0.500	0.085	0.095	54%	48%	34	36	48"



NILES EXPANDED METALS & PLASTICS

310 North Pleasant Avenue • Niles, Ohio 44446 • Phone: 330-652-2501 • Toll Free: 1-800-321-2727

Fax: 330-652-6497 • experf@nilesexpandedmetals.com • www.experf.net