



EXPANDED METAL

- STANDARD
- FLATTENED
- WALKWAY GRATING
- SAFETY GRATING
- OPEN STEEL FLOOR GRATING
- GRIP STRUT

TERMINOLOGY

STYLE DESIGNATION

A combination of numbers, letters, and abbreviations permitting proper specifications of dimension, gauge, style, and weight. In expanded metal products, the first number designates nominal dimension, short way of design. The second number completes the designation and may specify the gauge of metal, weight per 100 square feet, or may have some other significance. Grating products are designated by weight of finished product per square foot.

STANDARD EXPANDED METAL

Standard expanded metal as it comes from the press. The strands and bonds are set at a uniform angle to the plane on the sheet. This gives added strength and rigidity, as well as skid-resistant surface. Standard expanded metal is abbreviated XM.

FLATTENED METAL

Flattened expanded metal is manufactured by passing the standard expanded sheet through a cold roll reducing mill. Flattened expanded metal turns the strands and bonds down to provide a flattened surface, reducing the thickness (gauge) and elongating the pattern. Thickness may vary plus or minus 10% from published dimensions.

GRATING

Grating is a standard expanded metal pattern produced from heavier gauge low carbon steel plates. Strands and the openings of grating are considerably larger than other meshes. It is ideal for use wherever a strong, durable, lightweight surface is needed. Although used primarily for pedestrian traffic, grating can accommodate heavier loads if properly supported.

DESIGN SIZE

Actual dimensions (SWD and LWD). Measured from a point to a corresponding point on the design shown.

SWD.

Nominal dimension Short Way of Design

SWO.

Short Way of Opening

LWD.

Nominal dimension Long Way of Design

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.

BOND

The solid intersection of two strands.

SIDE SHEARING

The process of cutting a piece of expanded metal parallel to the long dimension of the diamond.

RANDOM SIDE SHEARING

Side shearing is a cut made parallel to the LWD dimension of the sheet which usually leaves open diamonds.

BOND SIDE SHEARING

This cut is made along the length of the sheet on the center line of the bond over the specified width. In most cases, it is not practical to attempt to Bond Side Shear either regular or flattened expanded metal because of the camber.

END SHEARING

END RANDOM SHEARING

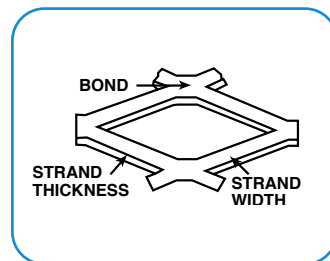
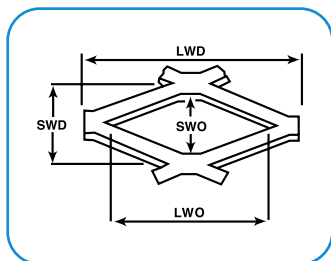
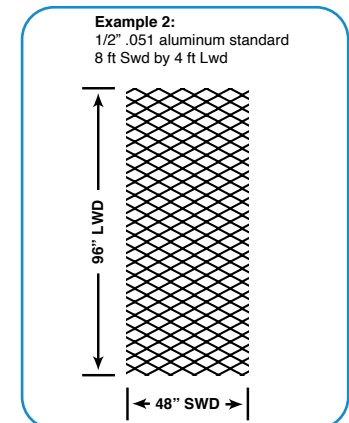
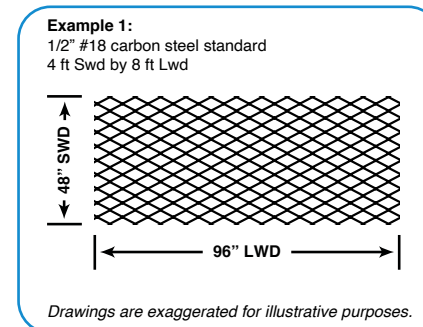
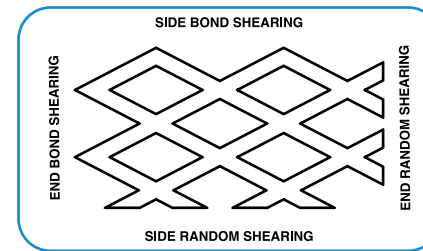
The process of shearing a piece of expanded metal to a specified length (LWD). This cut normally leaves open diamonds at both ends but accomplishes close tolerance when both ends are sheared.

END BOND SHEARING

The process of shearing a piece of expanded metal to a specified length (LWD). One end is cut on the Bond parallel to the SWD. The other end usually has open diamonds.

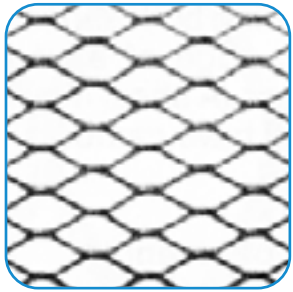
ORDERING PROCEDURE

When ordering Expanded Metals, give complete style specifications to avoid possible error. Include style, standard or flattened, type of metal, and sheet dimensions. SWD dimensions always given before LWD.

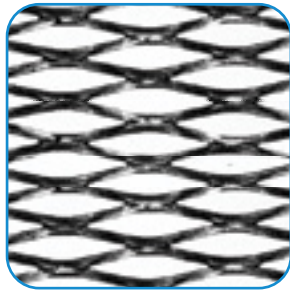


STOCK SIZE STANDARD

STANDARD SHEETS OR CUT TO SIZE



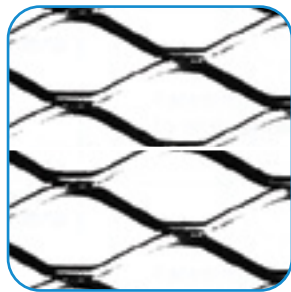
3/16 #22 Standard
AKA Minimesh



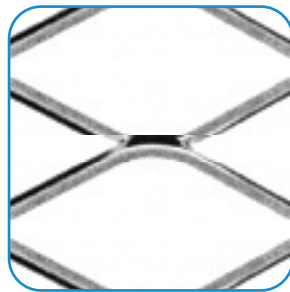
1/4 #20 Standard



3/4 #9 Standard



1/2 #18 Standard



1 1/2 #9 Standard

EXPANDED METAL STANDARD

Expanded Metal may be used for many industrial purposes such as open partitions, window guards, machine guards and other manufacturing and maintenance uses. It is more rigid than an equal weight of solid steel plate or wire mesh. In fabricating it may be cut to any desired shape without loss of its original strength. Expanded metal has no sharp edges.

**EXPANDED
STEEL MESH
STANDARD**
- Carbon and
Stainless Steels



Style Designation	Width In Inches	Length In Inches	Weight Per Sq. Ft.	Approx. of Opening In Inches
1/4 x 20	36,48	96	.86#	11/64 x 23/32
1/4 x 18	48	96	1.14#	11/64 x 23/32
1/2 x 40	48	96	.40#	13/32 x 15/16
1/2 x 20	48	96	.43#	7/16 x 15/16
1/2 x 18	36, *48,72	96	.70#	7/16 x 15/16
1/2 x 16	*48,72	96	.86#	3/8 x 15/16
1/2 x 13	48,72	96	1.47#	5/16 x 15/16
3/4 x 16	*48,72	96	.54#	13/16 x 1-3/4
3/4 x 13	48,72	96	.80#	3/4 x 1-11/16
	48	120	.80#	3/4 x 1-11/16
3/4 x 10	48	96	1.20#	3/4 x 1-5/8
3/4 x 9	*48	96	1.80#	11/16 x 1-9/16
	48	120	1.80#	11/16 x 1-9/16
1-1/2 x 16	*48	96	.40#	1-1/4 x 2-5/8
1-1/2 x 13	*48,72	96	.60#	1-3/16 x 2-1/2
	72	120	.60#	1-3/16 x 2-1/2
1-1/2 x 10	48,72	96	.79#	1-3/16 x 2-1/2
1-1/2 x 9	72,48	96	1.20#	1-1/8 x 2-3/8
	72	120	1.20#	1-1/8 x 2-3/8
2 x 9	48	96	.90#	1-9/16 x 3-3/8

The first number represents the nominal width of diamond in inches and the second number represents the approximate gauge of sheet or plate before expanding except that No. 10 is expanded from approximately No. 13 gauge. Sheets of special size can be furnished. *These sizes are also available in Stainless Steel.

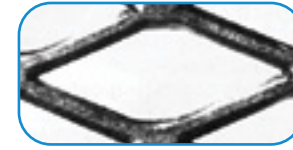
Also available in aluminum, stainless and hot dip galvanized

EXPANDED METAL-STANDARD SPECIFICATIONS

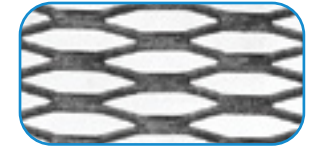
Measurements are approximate and subject to mill tolerances.

Style	Weight Per SF	Design Sizes		Opening Sizes		Strand Size		Overall Thickness	Meshes Per Foot		Open Area
		SWD	LWD	SWO	LWO	Thick.	Width		SWD	LWD	
CARBON STEEL- Standard (MIL-M-171940 Type I Class I)											
3/32 #24S	.42#	.156"	.25"	.094"	.156"	.024"	.030"	.045"	-	-	58%
3/16 #22S	.45#	.19"	.5"	.14"	.345"	.031"	.034"	.070"	63	24	61%
1/4 #20S	.86#	.25"	1.0"	.125"	.718"	.036"	.072"	.135"	48	12	45%
1/4 #18S	1.14#	.25"	1.0"	.110"	.718"	.048"	.072"	.147"	48	12	43%
1/2 #20S	.43#	.50"	1.2"	.438"	.938"	.036"	.072"	.140"	24	10	80%
1/2 #18S	.70#	.50"	1.2"	.438"	.938"	.048"	.088"	.172"	24	10	72%
1/2 #16S	.86#	.50"	1.2"	.375"	.938"	.060"	.087"	.175"	24	10	65%
1/2 #13S	1.47#	.50"	1.2"	.312"	.938"	.090"	.096"	.204"	24	10	57%
3/4 #16S	.54#	.923"	2.0"	.813"	1.75"	.060"	.101"	.210"	13	6	78%
3/4 #13S	.80#	.923"	2.0"	.750"	1.688"	.090"	.096"	.205"	13	6	76%
3/4 #10S	1.20#	.923"	2.0"	.750"	1.625"	.090"	.144"	.290"	13	6	72%
3/4 #9S	1.80#	.923"	2.0"	.688"	1.562"	.134"	.150"	.312"	13	6	68%
1 #16S	.44#	1.00"	2.4"	.938"	2.062"	.060"	.087"	.192"	12	5	82%
1-1/2 #16S	.40#	1.33"	3.0"	1.250"	2.625"	.060"	.108"	.230"	9	4	85%
1-1/2 #13S	.60#	1.33"	3.0"	1.188"	2.500"	.090"	.105"	.242"	9	4	85%
1-1/2 #10S	.79#	1.33"	3.0"	1.188"	2.500"	.090"	.138"	.284"	9	4	80%
1-1/2 #9S	1.20#	1.33"	3.0"	1.125"	2.375"	.134"	.144"	.312"	9	4	76%
1-1/2 #6S	2.50#	1.33"	3.0"	1.110"	2.313"	.194"	.203"	.433"	9	4	69%
2 #13S	.68#	1.85"	4.0"	1.625"	3.4375"	.090"	.164"	.325"	6.5	3	82%
2 #9S	.90#	1.85"	4.0"	1.563"	3.375"	.134"	.149"	.312"	6.5	3	84%
STAINLESS STEEL-Type 304 or 316/Standard (MIL-M-17194D Type I Class UI)											
1/2 #18S	.73#	.50"	1.2"	.437"	.937"	.050"	.087"	.164"	24	10	70%
1/2 #16S	.91#	.50"	1.2"	.437"	.937"	.062"	.087"	.164"	24	10	70%
1/2 #13S	1.87#	.50"	1.2"	.325"	.875"	.093"	.119"	.225"	24	10	52%
3/4 #18S	.48#	.923"	2.0"	.812"	1.750"	.050"	.106"	.202"	13	6	85%
3/4 #16S	.60#	.923"	2.0"	.812"	1.750"	.062"	.106"	.202"	13	6	83%
3/4 #13S	.91#	.923"	2.0"	.750"	1.687"	.093"	.107"	.202"	13	6	80%
3/4 #9S	2.05#	.923"	2.0"	.687"	1.562"	.140"	.160"	.300"	13	6	67%
1-1/2 #16S	.45#	1.33"	3.0"	1.250"	2.750"	.062"	.115"	.222"	9	4	85%
1-1/2 #13S	.68#	1.33"	3.0"	1.250"	2.625"	.093"	.115"	.222"	9	4	83%
1-1/2 #9S	1.37#	1.33"	3.0"	1.125"	2.50"	.140"	.155"	.280"	9	4	77%
ALUMINUM 5005 H34-Standard (MIL-M-17999CMR Class I)											
3/16 #.032S	.16#	.190"	.50"	.160"	.360"	.032"	.034"	.070"	63	24	66%
1/2 #.051S	.27#	.50"	1.2"	.375"	.937"	.051"	.093"	.158"	24	10	65%
1/2 #.081S	.44#	.50"	1.2"	.375"	.937"	.081"	.096"	.186"	24	10	60%
3/4 #.051S	.17#	.923"	2.0"	.812"	1.75"	.051"	.109"	.200"	13	6	78%
3/4 #.081LS	.32#	.923"	2.0"	.750"	1.68"	.081"	.129"	.220"	13	6	76%
3/4 #.081HS	.41#	.923"	2.0"	.750"	1.68"	.081"	.165"	.300"	13	6	69%
3/4 #.125S	.65#	.923"	2.0"	.687"	1.68"	.125"	.169"	.305"	13	6	68%
1-1/2 #.081S	.22#	1.33"	3.0"	1.187"	2.50"	.081"	.128"	.240"	9	4	85%
1-1/2 #.125S	.43#	1.33"	3.0"	1.187"	2.50"	.125"	.162"	.300"	9	4	79%

STOCK SIZE FLATTENED SHEETS OR CUT TO SIZE



3/4 #9 Flattened



1/4 #20 Flattened



1/2 #13 Flattened



1-1/2 #9 Flattened

EXPANDED STEEL METAL FLATTENED CARBON AND STAINLESS STEEL

Style Designation	Width In Inches	Length In Inches	Weight Per Sq. Ft.	Approx. of Opening In Inches
1/4 x 20-22	36, 48	96	0.83#	3/32 x 11/16
1/4 x 18-20	36, 48	96	1.11#	3/32 x 11/16
1/2 x 40	48	96	0.38#	3/8 x 1
1/2 x 20-22	36, 48	96	0.40#	3/8 x 1
1/2 x 18-20	36, *48	96	0.66#	9/32 x 1
	48	120	0.66#	9/32 x 1
1/2 x 16-18	*36,*48	96	0.82#	1/4 x 1
1/2 x 13-15	36, 48	96	1.40#	1/4 x 1
3/4 x 18-20	**48	96	0.46#	21/32 x 1-3/16
3/4 x 16-18	36, 48	96	0.51#	3/4 x 1-3/4
	48	120	0.51#	3/4 x 1-3/4
3/4 x 14-16	36, 48	96	0.63#	11/16 x 1-13/16
	48	120	0.63#	11/16 x 1-13/16
3/4 x 13-15	36, *48	96	0.75#	11/16 x 1-25/32
3/4 x 9-11	*36,*48	96	1.71#	9/16 x 1-11/16
1-1/2 x 16-18	36, *48	96	0.38#	1-1/16 x 2-3/4
1-1/2 x 14-16	36, 48	96	0.46#	1-1/16 x 2-3/4
1-1/2 x 13-15	36, *48	96	0.57#	1-1/16 x 2-3/4
1-1/2 x 9-11	36, *48	96	1.14#	1 x 2-9/16
	48	120	1.14#	1 x 2-9/16

The first number represents the nominal width of diamond in inches; the second number represents the approximate original gauge before flattening and the third number represents the approximate gauge thickness after flattening. Sheets of Special size can be furnished.

* These sizes are also available in Stainless Steel.

**Available in Stainless Steel only.

EXPANDED METAL - FLATTENED

Style	Weight Per SF	Design Sizes		Opening Sizes		Strand Size		Overall Thickness	Meshes Per Foot		Open Area
		SWD	LWD	SWO	LWO	Thick.	Width		SWD	LWD	
CARBON STEEL- Flattened (MIL-M-171940 Type II Class I)											
3/16 #22F	.43#	.200"	.51"	.115"	.300"	.024"	.040"	.024"	60	23	55%
1/4 #20F	.82#	.25"	1.05"	.110"	.715"	.030"	.079"	.030"	48	11.6	35%
1/4 #18F	1.08#	.25"	1.05"	.118"	.715"	.040"	.080"	.040"	48	11.6	35%
1/2 #20F	.40#	.50"	1.25"	.375"	1.00"	.029"	.079"	.029"	24	9.5	65%
1/2 #18F	.66#	.50"	1.25"	.312"	1.00"	.039"	.097"	.039"	24	9.5	60%
1/2 #16F	.82#	.50"	1.25"	.312"	1.00"	.050"	.096"	.050"	24	9.5	63%
1/2 #13F	1.40#	.50"	1.25"	.265"	1.00"	.078"	.107"	.078"	24	9.5	52%
3/4 #16F	.51#	.923"	2.10"	.750"	1.75"	.048"	.111"	.048"	13	5.7	74%
3/4 #14F	.63#	.923"	2.10"	.688"	1.813"	.061"	.105"	.061"	13	5.7	74%
3/4 #13F	.75#	.923"	2.10"	.688"	1.781"	.078"	.106"	.078"	13	5.7	74%
3/4 #9F	1.71#	.923"	2.10"	.563"	1.688"	.120"	.165"	.120"	13	5.7	63%
1 #16F	.41#	1.00"	2.500"	.813"	2.250"	.050"	.098"	.050"	12	4.68	78%
1-1/2 #16F	.38#	1.33"	3.20"	1.062"	2.750"	.048"	.119"	.048"	9	3.75	83%
1-1/2 #14F	.46#	1.33"	3.20"	1.062"	2.750"	.060"	.116"	.060"	9	3.75	80%
1-1/2 #13F	.57#	1.33"	3.20"	1.062"	2.750"	.078"	.116"	.078"	9	3.75	80%
1-1/2 #9F	1.14#	1.33"	3.20"	1.000"	2.563"	.110"	.158"	.110"	9	3.75	75%
2 #9F	.80#	1.825"	4.36"	1.445"	3.700"	.110"	.170"	.110"	6.5	3.75	83%
STAINLESS STEEL-Type 304 or 316/Flattened (MIL-M-17194D Type II Class III)											
1/4 #18F	1.43#	.25"	1.20"	.080"	.660"	.047"	.090"	.047"	48	11.6	28%
1/2 #18F	.69#	.50"	1.26"	.312"	1.00"	.040"	.098"	.040"	24	9.5	60%
1/2 #16F	.86#	.50"	1.26"	.312"	1.00"	.050"	.099"	.050"	24	9.5	60%
1/2 #13F	1.78#	.50"	1.26"	.240"	.915"	.080"	.132"	.080"	24	5.7	45%
3/4 #18F	.46#	.923"	2.10"	.750"	1.812"	.040"	.118"	.040"	13	5.7	75%
3/4 #16F	.57#	.923"	2.10"	.750"	1.812"	.050"	.118"	.050"	13	5.7	75%
3/4 #13F	.86#	.923"	2.10"	.625"	1.75"	.080"	.120"	.080"	13	5.7	75%
3/4 #9F	1.95#	.923"	2.10"	.562"	1.687"	.119"	.165"	.119"	13	5.7	61%
1-1/2 #16F	.43#	1.33"	3.15"	1.062"	2.75"	.050"	.128"	.050"	9	3.8	80%
1-1/2 #13F	.65#	1.33"	3.15"	1.000"	2.625"	.080"	.130"	.080"	9	3.8	80%
1-1/2 #9F	1.31"	1.33"	3.15"	.937"	2.625"	.119"	.165"	.119"	9	3.8	75%
ALUMINUM 5005 H34 - Flattened (MIL-M-17999CMR Class II)											
1/2 #.051F	.26#	.50"	1.27"	.312"	1.00"	.040"	.104"	.040"	24	9.5	61%
1/2 #.081F	.42#	.50"	1.27"	.312"	1.00"	.060"	.105"	.060"	24	9.5	58%
3/4 #.051F	.16#	.923"	2.125"	.75"	1.812"	.040"	.122"	.040"	13	5.66	72%
3/4 #.081LF	.30#	.923"	2.125"	.687"	1.75"	.070"	.143"	.070"	13	5.66	70%
3/4 #.081HF	.39#	.923"	2.125"	.687"	1.75"	.070"	.181"	.070"	13	5.66	63%
3/4 #.125F	.62#	.923"	2.125"	.625"	1.75"	.095"	.187"	.095"	13	5.66	62%
1-1/2 #.081F	.21#	1.33"	3.15"	1.062"	2.75"	.060"	.143"	.060"	9	3.8	77%
1-1/2 #.125F	.41#	1.33"	3.15"	1.00"	2.75"	.080"	.181"	.080"	9	3.8	70%

EXPANDED STEEL GRATINGS WALKWAY

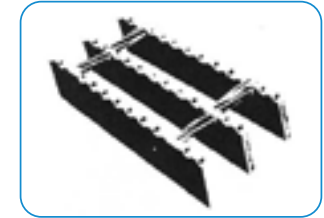
Style	Lbs. Per Sq. ft.	Standard Sheet Size (ft.)		Design Size (inches)		Opening Size (inches)		Standard Size (inches)		Overall Thickness (in.)	No. of Designs per ft.		(% Open Area)
		Width SWD	Length LWD	SWD	LWD	SWD	LWD	Width	Thickness		SWD	LWD	
3.0 lb.	3.0	4&6	8,10&12	1.33	5.33	.940	3.44	.264	.183	.540	9	2.25	60
3.14 lb.	3.0	4-4&6	8&10	2.00	6.00	1.625	4.88	.312	.250	.656	6	2	69
4.0 lb.	4.0	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&6	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

OPEN STEEL FLOOR GRATING

CONFORMS TO SPECIFICATIONS RR-G-681A AND MIL-G-1958



Smooth surface grating

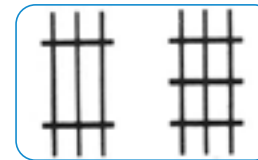


Serrated surface safety grating

GRATING AVAILABLE IN CARBON STEEL, ALUMINUM & STAINLESS

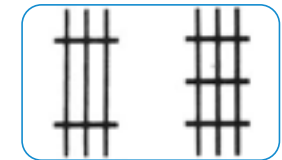
STANDARD MESH TYPES

TYPE 19-W-4 TYPE 19-W-2



CLOSE MESH TYPES

TYPE 15-W-4 TYPE 15-W-2



Maximum Width of Panels 36"

WEIGHT IN LBS PER SQ. FT.

Bearing Bars	Type 19-W-4	Type 19-W-2	Type 15-W-4	Type 15-W-2
3/4 x 1/8	3.99	4.63	4.95	5.59
3/4 x 3/16	5.67	6.31	7.11	7.75
1-x 1/8	5.15	5.79	6.44	7.08
1-x 3/16	7.35	7.99	9.27	9.91
1-1/4 x 1/8	6.20	6.84	7.79	8.43
1-1/4 x 3/16	9.03	9.67	11.43	12.07
1-1/2 x 1/8	7.35	7.99	9.27	9.91
1-1/2 x 3/16	10.94	11.80	13.82	14.68
1-3/4 x 3/16	12.62	13.48	15.98	16.84
2-x 3/16	14.30	15.16	18.14	19.00
2-1/4 x 3/16	15.87	16.74	20.16	21.03
2-1/2 x 3/16	17.55	18.42	22.32	23.19

STOCK SIZES

Type	Width In In.	Length In In.	Type	Width In In.	Length In In.
19W	24, 36	240	15W	24, 36	240

Other Sizes Cut To Your Specifications

When ordering GRATING, specify

- Type of GRATING
- Size of BEARING BARS (DEPTH & WIDTH)
- Span (direction of bearing bars)
- Dimensions of area
- Painted or Galvanized, Smooth or Serrated

When ordering STAIR TREADS, also specify

- Width & Length
- Type of Nosing (CHECKER PLATE OR CAST ABRASIVE)
- Punching in side plates of standardized dimensions may be altered to suit special conditions

STEEL GRATING

STANDARD MESH TYPES

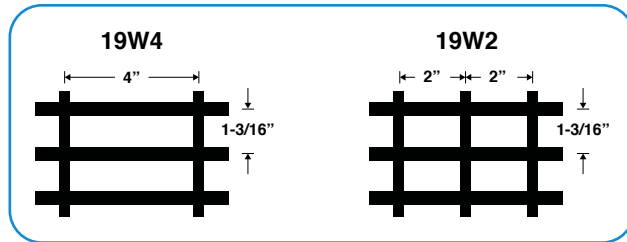
Carrying capacity as shown in table of safe loads.

Stock width of panels: 2' 11-3/8". Other widths in multiples of 1-3/16".

Maximum panel length: 40'.

For 3/16" main bars, 5/16" hexagonal cross bars are used.

For 1/8" main bars, 1/4" hexagonal cross bars are used.



CLOSE MESH TYPES

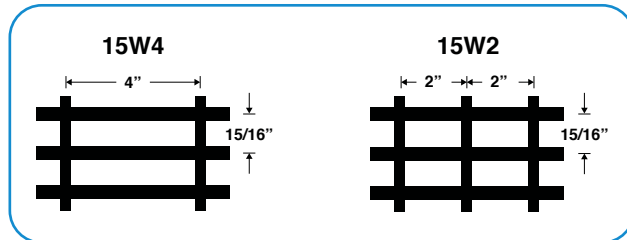
Carrying capacity 27% greater than shown in table of safe loads.

Stock width of panels: 2'. Other widths in multiples of .915".

Maximum panel length: 40'.

For 3/16" main bars, 5/16" hexagonal cross bars are used.

For 1/8" main bars, 1/4" hexagonal cross bars are used.



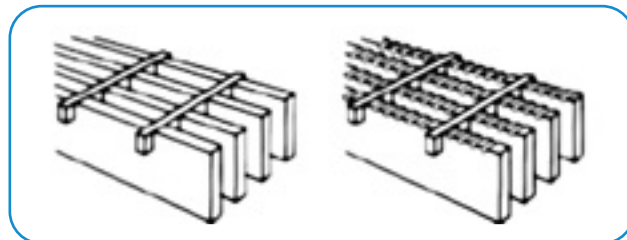
SURFACES

SMOOTH SURFACES

Smooth surface steel grating is available in a wide variety of materials for many applications.

SERRATED SURFACES

Serrated surfaces are available on many types of grating. The serrated surface provides a safe, slip-resistant surface. These surfaces offer more secure footing where a variety of liquids such as oil, chemicals, or water are present.



STEEL GRATING WEIGHTS

Special prices are available upon request for the following standard stock size panel 2'0" and 3'0" widths; 20' and 24' lengths.

Main Bar Size	19W4 Wt. Lbs. (sq. ft.)"	19W2 Wt. Lbs. (sq. ft.)"	15W4 Wt. Lbs. (sq. ft.)"	15W2 Wt. Lbs. (sq. ft.)"
3/4 x 1/8	3.9	4.4	4.9	5.4
3/4 x 3/16	5.9	6.7	7.3	8.2
1 x 1/8	5.0	5.6	6.3	6.8
1 x 3/16	7.6	8.4	9.5	10.3
1-1/4 x 1/8	6.1	6.7	7.7	8.3
1-1/4 x 3/16	9.2	10.1	11.6	12.5
1-1/2 x 1/8	7.3	7.8	9.2	9.7
1-1/2 x 3/16	10.9	11.8	13.8	14.6
1-3/4 x 3/16	12.6	13.4	15.9	16.8
2 x 3/16	14.3	15.1	18.0	18.9
2-1/4 x 3/16	15.9	16.8	20.2	21.1
2-1/2 x 3/16	17.6	18.5	22.4	23.2

SAFETY GRATING PRODUCTS AVAILABLE CONFIGURATIONS PERF-O GRIP®

GRATING

Perf-O Grip® is a plank metal grating offering a slightly less aggressive surface than Grip Strut®. Perf-O Grip® is made with a round hole pattern. Perf-O Grip®'s lightweight and resilient design makes the product easy to handle and install, producing a very economical installed cost. are used. For 1/8" main bars 1/4" hexagonal bars.

Channels Heights Available	Gauge & Type Available	Product Widths Available
1-1/2"	11 GA Galvanized Steel	5"
2"	13 GA Galvanized Steel	7"
3"	.125 Aluminum 5052-H32	10"
5"		18", 24", 30"
(Walkway)		(walkway) below 36"

Standard Lengths: 10' and 12'. Plain HRP&O Steel and Stainless sheet available upon request and special quotation. Hot Dip Galvanized after fabrication is available upon request and special order. Special fabrication cutting or specialty configurations available upon request and special quotation.

FLOORING - TRACTION TREAD™ FLOORING

Plank, Sheet and Ladder Rungs Traction Tread® panels have a surface of perforated raised buttons. The perforations allow spillage to drain and break oil film, detergent, and other slippery agents away from the walking surface. Traction Tread™ is ideal for pedestrian traffic. The button design is the best in the industry for allowing women in heels, as well as someone in work boots, to walk comfortably and safely over the surfaces. This product is offered in planks of 36" x 120" sheets. Traction Tread™ services many applications such as pedestrian walkways, scaffold planking, mezzanines, stair treads, the resurfacing of worn materials, etc. - useful anywhere a light slip-resistant flooring is required.

AVAILABLE CONFIGURATIONS				
Product	Material	Gauge	Width	Channel Height
Sheet	HR P&O Steel	11		
		12		
		13	36"	N/A
	5052-H32 Aluminum	.125		
Planks	HR P&O Steel or pregalvanized steel	11		
		12	7"	2"
		13	10"	(1-1/2min.)
		12"		
	5052-H32 Aluminum	.125		
Ladder Rungs	HR P&O Steel	11	1-1/4'	1-1/2"
		12		
		13	1-5/8"	1-1/8"
	Material: 5052-H32 Aluminum	.125	2-1/4"	1-1/2"

Standard Lengths: 10' (120"). Plank Lengths: 10' and 12'. Ladder Rung Length: 60" Special fabrication, cutting or specialty configurations available upon request and special quotation.

SAFETY GRATING PRODUCTS GRIP STRUT®

SAFETY GRATING AVAILABLE CONFIGURATIONS

Side Channels Available	Gauge & Type Available	Product Widths Available
1-1/2"	14GA Galvanized Steel	4-3/4"
2"	12GA Galvanized Steel	7"
2-1/2"	.080 Aluminum 5052-H32	9-1/2"
3"	.100 Aluminum 5052-H32	11-3/4"
4-1/2" (Walkway)"	*16GA Type 304 Stainless Steel	18-3/4"

Standard Lengths: 10', 12' and 24'. Plain HRP&O Steel available upon request and special quotation. Type 316 Stainless available upon special quotation. Special fabrication cutting or specialty configurations available upon request and special quotation. *Note: Stainless only available in plank form.

GRIP STRUT® is a lightweight metal grating designed for safety underfoot. The unique one-piece diamond shaped construction provides slip resistance in all directions. GRIP STRUT® is ideally suited for all walking/working surfaces where mud, ice, snow, grease, oil and detergents create slippery or hazardous conditions. GRIP STRUT® grating is commonly used for work platforms, industrial flooring, catwalks, balconies, storage areas, walkways, and stair treads.

SAFETY GRATING AVAILABLE CONFIGURATIONS

Channel Heights Available	Gauge & Type Available	Product Widths Available
2"	11GA Galvanized Steel	9-1/4"
2-1/2"	10GA Galvanized Steel	13-3/4"
3"	9GA Galvanized Steel	27-5/8"
4"		30"
5" (Walkway)		36"

Standard Lengths: 10', 12' and 24'. Plain HRP&O Steel available upon request and special quotation. Hot Dip Galvanized after fabrication is available upon request or special order. Special fabrication cutting or specialty configurations available upon request and special quotation. *Note: Stainless only available in plank form.

Heavy Duty GRIP STRUT® is a one-of-a-kind plank grating sporting a hefty 24 foot clear span capability. Heavy Duty GRIP STRUT® Safety Grating products offer the advantages of regular GRIP STRUT® plus the capabilities for greater loads and/or longer spans. Heavy Duty GRIP STRUT® walkways are ideal for process plants, refineries, grain elevators, conveyor walkways, underbridge inspection walkways, papermills, etc. Heavy Duty GRIP STRUT® is more competitive than ever against Bar Grating. Shorter lead times, 24-foot spans, less support structure, and labor savings make it the most unique formed-plank grating available.

SAFETY GRATING PRODUCTS

GRIP STRUT®

STAIR TREADS, LADDER RUNGS, RECONDITIONING MATERIAL

Steel Cities Steels, Inc. offers a full range of standard and non-standard StairTread products from Grip Strut®, Heavy Duty Grip Strut®, Perf-O-Grip®, Traction Tread™, and Grate-Lock. Products will be offered with or without abrasive nosing.

Reconditioning material is offered as an economical method of resurfacing worn and unsafe floors. Down-turned edges allow the grating to lie flat and secure over existing flooring.

Steel Cities Steels, Inc. offers a large variety of ladder rungs for use in different environments and industries. GRIP STRUT® One-Diamond Ladder Rungs are ideal in environments where safe footing is hard to come by. GRIP STRUT® Ladder Rungs ensure maximum slip resistance and safe footing. Traction Tread™ Ladder Rungs are ideal for use in hand-over-hand ladder applications where safe footing is also required.

AERATION DECKING

Aeration Decking provides municipal waste treatment plants with a highly efficient, low-energy way to process effluents into usable compost. In North America daily production from municipally operated water treatments plants yields well over 15,000 tons (dry basis) of sludge. North America, faces a growing process while keeping operating costs at a minimum. Aeration Decking can be the keystone for systems that transform waste into usable by-product, while conserving energy.

AVAILABLE CONFIGURATIONS		
Channel Height	Material Gauge	Product Widths Available
2-1/2"	14 GA Galvanized Steel	9"