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SERVICES

Steel Cities Steels is a distributor of steel products serving Northwest Indiana, Northeastern Illinois, and Southwestern Michigan since 1952. We specialize in services such as saw cutting and flame cutting. We take great pride in providing quality products, great customer service and short leadtimes to our customers.

We serve the following groups:

- CONTRACTORS
- FABRICATORS
- MACHINE SHOPS
- MAINTENANCE
- MANUFACTURERS
- ORNAMENTAL/DECORATIVE IRON
- OPERATIONS
- PUBLIC WORKS
- REPAIR
- RESELLERS
- SCHOOL/TRAINING CENTERS

We provide the following services:

- FLAME CUTTING
- SAW CUTTING
- PRODUCTION CUTTING
- MITRE CUTTING
- BEAM SPLITTING
- GRINDING
- GALVANIZING

Additional services are available upon request.

STEEL CITIES STEELS INC.

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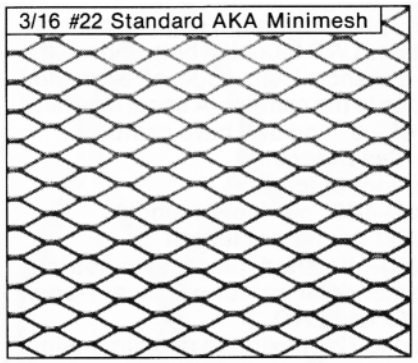
EXPANDED METAL

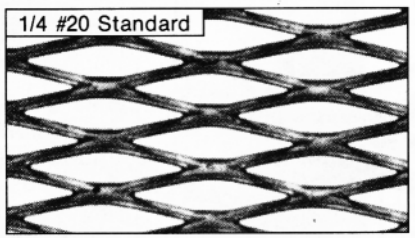
- STANDARD
- FLATTENED
- WALKWAY GRATING
- SAFETY GRATING
- OPEN STEEL FLOOR GRATING
- GRIP STRUT

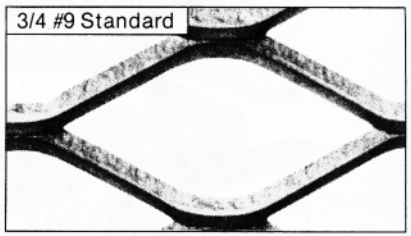
EXPANDED METAL

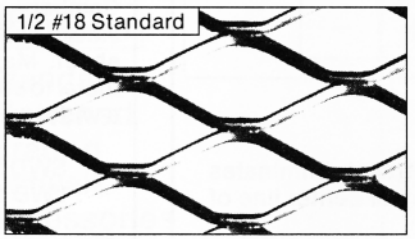
STEEL CITIES STEELS INC.

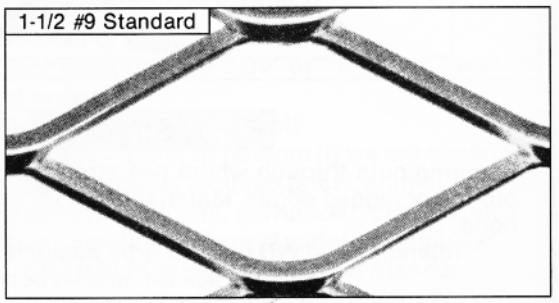
STOCK SIZE STANDARD
STANDARD SHEETS OR CUT TO SIZE











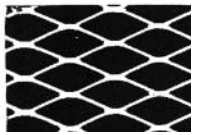
EXPANDED METAL STANDARD

Expanded Metal may be used for many industrial purposes such as open partitions, window guards, machine guards and other manufacturing and maintenance uses.

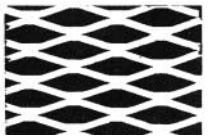
It Is more rigid than an equal weight of solid steel plate or wire mesh. In fabricating it may be cut to any desired shape without loss of its original strength. Expanded metal has no sharp edges

EXPANDED STEEL MESH STANDARD - Carbon and Stainless Steels

STANDARD



FLATTENED



STYLE DESIGNATION	WIDTH IN INCHES	LENGTH IN INCHES	WEIGHT PER SW. 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.

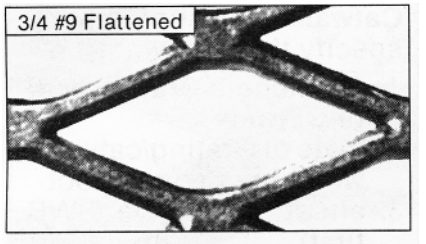
Also available in aluminum, stainless and hot dip galvanized

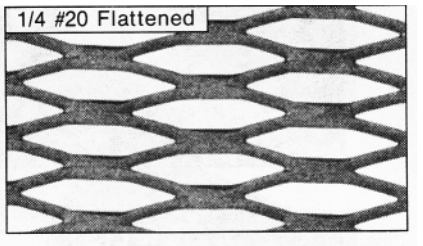
EXPANDED METAL-STANDARD SPECIFICATIONS

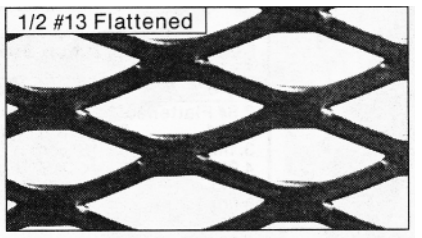
Measurements are approximate and subject to mill tolerances.

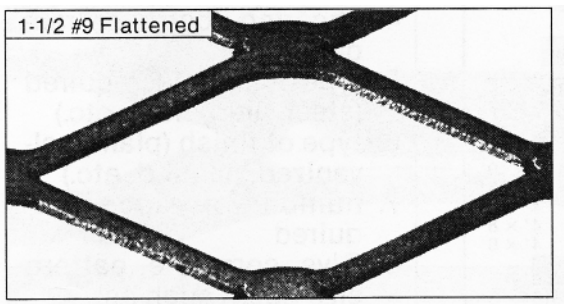
Style	Weight Per SF	Design Sizes		Opening Sizes		Strand Size		Overall Thickness	Meshes Per Foot		Open Area
		SWD	LWD	SWO	LWO	Thick.	Width		SWD	LWD	
CARBON STEEL-Standard (MIL-M-171940 Type I Class I)											
3/32 #24S	.42#	.156"	.25"	.094"	.156"	.024"	.030"	.045"	-	-	58%
3/16 #22S	.45#	.19"	.5"	.14"	.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









EXPANDED STEEL METAL FLATTENED CARBON AND STAINLESS STEEL

STYLE DESIGNATION	WIDTH IN INCHES	LENGTH IN INCHES	WEIGHT PER SW. FT.	APPROX. OF OPENING IN INCHES
1/4 x 20-22	36, 48	96	.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	.38	3/8 x 1
1/2 x 20-22	36, 48	96	.40	3/8 x 1
1/2 x 18-20	36, *48	96	.66	9/32 x 1
	48,	120	.66	9/32 x 1
1/2 x 16-18	*36,*48	96	.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	.46	21/32 x 1-3/16
3/4 x 16-18	36, 48	96	.51	3/4 x 1-3/4
	48	120	.51	3/4 x 1-3/4
3/4 x 14-16	36, 48	96	.63	11/16 x 1-13/16
	48	120	.63	11/16 x 1-13/16
3/4 x 13-15	36, *48	96	.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	.38	1-1/16 x 2-3/4
1-1/2 x 14-16	36, 48	96	.46	1-1/16 x 2-3/4
1-1/2 x 13-15	36, *48	96	.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		Approx. Strand Size		Overal Thick-ness	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%

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.

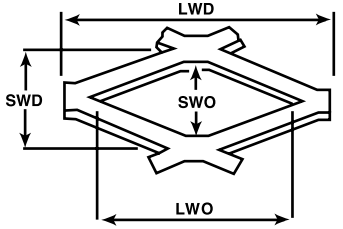
DESIGN SIZE
Actual dimensions SWD and LWD. Measured from a point to a corresponding point on the design shown.

SWD
Nominal dimension Short Way of Design

SWO
Short Way of Opening

LWD
Nominal dimension Long Way of Design

LWO
Long Way of Opening

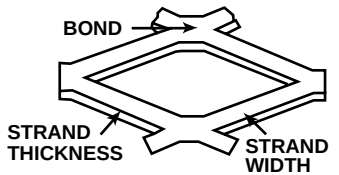


STRANDS
The sides of the expanded metal design.

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.

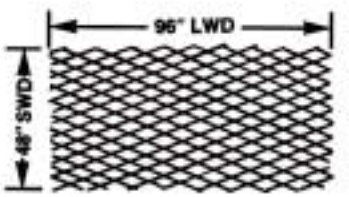
END SHEARING

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.

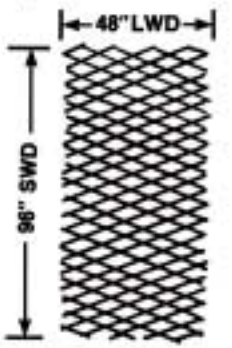
END BOND SHEARING
The process of shearing a piece of expanded metal to a specified length (LWD). One end is cut on the Bond parallel to the SWD-the other end usually has open diamonds.

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.

EXAMPLE 1:
1/2" #18 carbon steel standard
4 ft. SWD by 8 ft. LWD



EXAMPLE 2:
1/2" .051 aluminum standard
8 ft. SWD by 4 ft. LWD



Drawings are exaggerated for illustrative purposes.

EXPANDED STEEL GRATINGS WALKWAY

Style	Lbs. per Sq. ft.	Standard Sheet Size (ft.) Width SWD	Standard Sheet Size (ft.) Length LWD	Design Size (inches) SWD	Design Size (inches) LWD	Opening Size (inches) SWO	Opening Size (inches) LWO	Strand Size (inches) Width	Strand Size (inches) Thick-ness	Overall Thick-ness (In.)	No. of Designs per ft. SWD	No. of Designs per ft. LWD	(%) Open Area
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

Maximum Width of Panels 36"

CLOSE MESH TYPES

TYPE 15-W-4

TYPE 15-W-2

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

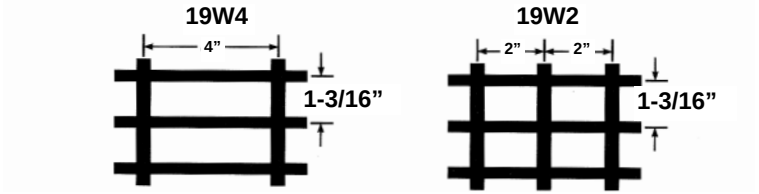
- Type of GRATING
- Size of BEARING BARS (DEPTH & WIDTH)
- Span (direction of bearing bars)
- Dimensions of area
- Painted or Galvanized, Smooth or Serrated

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

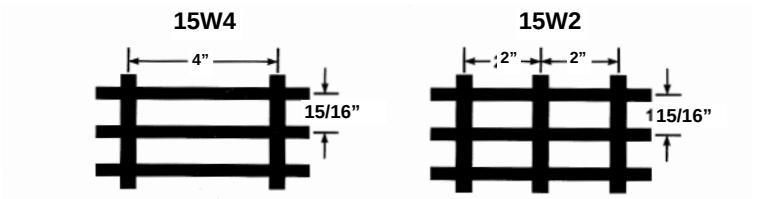
STEEL GRATING
STANDARD MESH TYPES

Carrying capacity as shown in table of safe loads. Stock width of panels, 2' 11-3/8". Other widths in mutliples of 1-3/16". Maximum panel length, 40'-0". For 3/16" main bars 5/16" hexagonal cross bars are used. For 1/8" main bars 1/4" hexagonal bars are used.



CLOSE MESH TYPES

Carrying capacity 27% greater than shown in table of safe loads. Stock width of panels 2"-0". Other widths in multiples of .915". For 3/16" main bars 5/16" hexagonal crossbars are used. For 1/8" main bars 1/4" hexagonal cross bars are used.



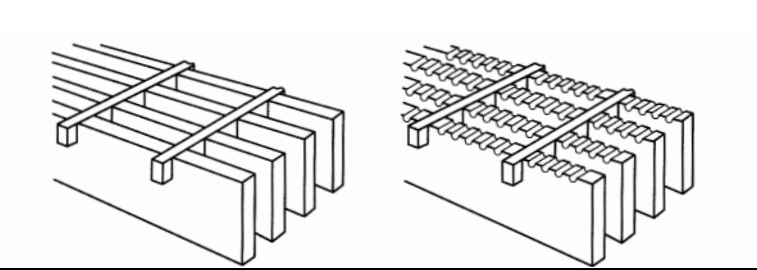
SURFACES

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. lt.)	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 cast.

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" (Walkway)		18" 24" 30" (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 surtace 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 and the button design is the best in the industry for allowing women in heels, as well as a man 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 13	7" 10" 12"	2" (1-1/2min.)
	5052-H32 Aluminum	.125		
Ladder Rungs	HR P&O Steel	11 12 13	1-1/4' 1-5/8"	1-1/2" 1-1/8"
	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"	.080Aluminum 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 Steal available upon request and special quotation.
Type 316 Stailess available upon special quote.
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"	11GAGalvanized Steel	9-1/4"
2-1/2"	10 GA 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 requestand 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 treatment 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"