REGULAR Manufactured from Mild Carbon Steel

Plain

.500

.625

.750

.86

1.14

.43

.70

.86

1.47

.54

.80

.38

46

.57

1.14

This is the most economical way to put strength, safety and non-

slip surfaces underfoot. It is not pre-assembled, not welded, but sturdy, solid steel, cut and stretched from a single plate.

4.00

4.27

5.00

6.25

7.00

Plain

2.69

2.69

2.69

Weight In

Pounds

Per Sq. Ft.

4.30

4.46

5.50

6.85

7.50

Galv.

Style

Designation

3/6"-#24-R 50 lb.

%"-#22-R 63 lb

3/6"-#20-R 75 lb

1/4"-#20-%

¼"-#18-R

½"-#20-R

1/8"-#18-R

½"-#16-R

½"-#13-R

¾"-16 H-R

¾"-#13-R

1½"-#16-F

1%"-#14-F

1½"-#13-F

1½"-# 9-F

3.14 lb.-R

4.0 lb.-R

4.27 lb.-R

5.0 lb.-R

6.25 lb.-R

7.0 lb.-R

GRATING

Column Insert

Railing Insert

Sheets

Style

Designation

Weight In

Pounds Per Sq. Ft.

Galv.

1.29

1.71

.59

.85

.97

1.73

.65

.92

Standard Sizes

In Feet

Width Length

4

4

4

8

8

8

3-4-6 8-10-12

3-4-6 8-10-12

3-4-6 8-10-12

3-4-6 8-10-12

3-4-6 8-10-12

2

2

2

3-4

3-4

3-4-6

1½" +#16-R .40 .48 3-4-6 8-10-12 1.250 2.625 1.330 3.0 .060 .107 9 4 88.90 1½" +#10-R .60 .68 3-4-6 8-10-12 1.188 2.500 1.330 3.0 .092 .104 9 4 84.88 1½" +# 0-R .79 .89 3-4-6 8-10-12 1.188 2.500 1.330 3.0 .092 .137 9 4 84.88 1½" +# 0-R 1.20 1.31 3-4-6 8-10-12 1.100 2.313 1.330 3.0 .134 .142 9 4 61.86 2" -#10-R .66 .75 8-10-12 1.625 3.438 1.850 4.0 .198 .201 9 4 61.65 3 84.89 2" -#10-R .66 .75 8-10-12 1.625 3.438 1.850 4.0 .198 .0 1.0 6.5 3 84.89 2" -#10-R <th>¾"-#10-R</th> <th>1.20</th> <th>1.36</th> <th>3-4-6</th> <th>8-10-12</th> <th>.750</th> <th>1.625</th> <th>.923</th> <th>2.0</th> <th>.092</th> <th>.144</th> <th>13</th> <th>6</th> <th>71.77</th>	¾"-#10-R	1.20	1.36	3-4-6	8-10-12	.750	1.625	.923	2.0	.092	.144	13	6	71.77	
1½"+#18-R .20 .25 4 8-10-12 1.313 2.625 1.330 3.0 .048 .067 9 4 93.94 1½"+#16-R .40 .48 3-4-6 8-10-12 1.250 2.625 1.330 3.0 .060 .107 9 4 88.90 ½"+10-R .60 .68 3-4-6 8-10-12 1.188 2.500 1.330 3.0 .092 .104 9 4 84.88 ½"+9-R .79 .89 3-4-6 8-10-12 1.125 2.375 1.330 3.0 .092 .137 9 4 84.88 ½"+9-R 1.20 1.31 3-4-6 8-10-12 1.105 2.375 1.330 3.0 .198 .201 9 4 61.65 2"-#10-R .68 .75 8-10-12 1.625 3.438 1.850 4.0 .092 .165 6.5 3 84.89 2"-#10-R Restance Rest	¾"-# 9-R	1.80	1.95	4 8	8-10-12	.688	1.563	.923	2.0	.134	.148	13	6	65.68	
1½"-#16-R	1" -#16-R	.44	.51	4 8	8-10-12	1.000	2.063	1.090	2.4	.060	.096	11	5	84.88	
1X° #13-R .60 .68 3-4-6 8-10-12 1.188 2.500 1.330 3.0 .092 .104 9 4 84.88 1½"-#10-R .79 .89 3-4-6 8-10-12 1.188 2.500 1.330 3.0 .092 .137 9 4 84.88 1½"-# 9-R 1.20 1.31 3-4-6 8-10-12 1.125 2.375 1.330 3.0 .198 201 9 4 74.777 1½"-# 6-R 2.50 2.73 to order 8-10-12 1.000 2.313 1.330 3.0 .198 201 9 4 61.65 2"-#10-R .68 .75 8-10-12 1.625 3.438 1.850 4.0 .194 .149 6.5 3 84.99 2"-#9-R .90 1.02 Standard Sizes Standard Sizes Center to Openings in Inches Finished Thickness Number of Diamost Percent Openings in Inches In 12 help In 12 help In 12 help In 12 help	1½"-#18-R	.20	.25	4 8	8-10-12	1.313	2.625	1.330	3.0	.048	.067	9	4	93.94	
1X"#10-R .79 .89 3-4-6 8-10-12 1.188 2.500 1.30 3.0 .092 .137 9 4 84.86 1½"+# 9-R 1.20 1.31 3-4-6 8-10-12 1.125 2.375 1.330 3.0 .134 .142 9 4 74.77 1½"+# 6-R 2.50 2.73 to order 8-10-12 1.000 2.313 1.330 3.0 .198 201 9 4 61.65 2" -#10-R .68 .75 8-10-12 1.625 3.438 1.850 4.0 .092 .165 6.5 3 84.89 2" -# 9-R .90 1.02 Standard Sizes Instance Center to Openings in Inches Elinished Thickness Number of Diamosts Percent Openings in Inches Number of Designation Number of Percent	1½"-#16-R	.40	.48	3-4-6	8-10-12	1.250	2.625	1.330	3.0	.060	.107	9	4	88.90	
1½" # 9-R 1.20 1.31 3-4-6 8-10-12 1.125 2.375 1.330 3.0 .134 .142 9 4 74.77 1½" # 6-R 2.50 2.73 to order 8-10-12 1.000 2.313 1.330 3.0 .198 .201 9 4 61.65 2" # 9-R .90 1.02 1.625 3.438 1.850 4.0 .092 .165 6.5 3 84.89 LATTENED Manufactured from Mild Carbon Steel Style Pounts Standard Sizes Openings in Center of Openings in Inches In Inches In Inches In Inches Number of Pisin Number of Diamonds Per S. In Feet In Feet Width Legth. Width Legth. Width Legth. Width Legth. Width Legth. Thickness Mill In Inches Mill In Inches Mill In Inches Width Legth. Width Legth. Width Legth. Width Legth. Width Legth. <td ro<="" td=""><td>1½"-#13-R</td><td>.60</td><td>.68</td><td>3-4-6</td><td>8-10-12</td><td>1.188</td><td>2.500</td><td>1.330</td><td>3.0</td><td>.092</td><td>.104</td><td>9</td><td>4</td><td>84.88</td></td>	<td>1½"-#13-R</td> <td>.60</td> <td>.68</td> <td>3-4-6</td> <td>8-10-12</td> <td>1.188</td> <td>2.500</td> <td>1.330</td> <td>3.0</td> <td>.092</td> <td>.104</td> <td>9</td> <td>4</td> <td>84.88</td>	1½"-#13-R	.60	.68	3-4-6	8-10-12	1.188	2.500	1.330	3.0	.092	.104	9	4	84.88
1½"-# 6-R 2.50 2.73 to order 8-10-12 1.000 2.313 1.330 3.0 1.98 2.01 9 4 61.65 2" -#10-R 6.8 7.75 8-10-12 1.625 3.438 1.850 4.0 .092 .165 6.5 3 84.89 LATTENED Manufactured from Mild Carbon Steel Weight In Style Standard Sizes In Feet Size of Openings in Inches Inc	1½"-#10-R	.79	.89	3-4-6	8-10-12	1.188	2.500	1.330	3.0	.092	.137	9	4	84.86	
2° #10-R .68 .75 8-10-12 1.625 3.438 1.850 4.0 .092 .165 6.5 3 84.89 2° # # 9-R .90 1.02 1.563 3.375 1.850 4.0 .134 .149 6.5 3 84.89 LATTENED Manufactured from Mild Carbon Steel Weight In Pounds Size of Openings in Designation Center of Pounds Finished Sizes Number of Diamonds Percent Openings in Inches Center of Thickness In Inches In 12 Inches Area Plain Galv. Width Length Width Lgth. Width Lgth. Thickness Width Lgth. Thickness Width Lgth. Lgth. ½«"#24-F 48 lb. .485 — 2 4 .085 .459 .200 .520 .019 60 23 39.45 ½«"#22-R 61 lb. .606 — 2 4 .085 .459 .200 .520 .024 60 23 39.45 ½«"#22-F 73 lb. .727 —	1½"-# 9-R	1.20	1.31	3-4-6	8-10-12	1.125	2.375	1.330	3.0	.134	.142	9	4	74.77	
LATTENED Manufactured from Mild Carbon Steel Size of Designation Pair Galv. Width Length Midth L	1½"-# 6-R	2.50	2.73	to order 8	8-10-12	1.000	2.313	1.330	3.0	.198	.201	9	4	61.65	
Number of Per Sq. Ft. In Feet Number Nu	2" -#10-R	.68	.75	8	8-10-12	1.625	3.438	1.850	4.0	.092	.165	6.5	3	84.89	
Style Pounds Standard Sizes Standard Sizes Size of Openings in Designation Center of Pounds in Inchess Finished Diamons Number of Diamons Percent Open open in Inchess In 10 Inchess in 12 Inchess Number of Diamons Percent Open in Inchess In Inchess in 12 Inchess Area of Diamons	2" -# 9-R	.90	1.02			1.563	3.375	1.850	4.0	.134	.149	6.5	3	83.87	
Designation Per St. Ft. In Feet In Inches In 12 Inches Area We"+#24-F 48 lb. Plain Galv. Width Length Width Lgth. Width Lgth. Thickness Width Lgth. %"-#24-F 48 lb. .485 — 2 4 .085 .459 .200 .520 .019 60 23 39.45 %"-#20-F 73 lb. .727 — 2 4 .085 .459 .200 .520 .029 60 23 39.45 %"-#20-F .83 1.24 3-4 8 .094 .688 .255 1.031 .030 47 11.64 46.49 %"-#18-F 1.11 1.65 3-4 8 .094 .688 .255 1.031 .040 47 11.64 49.49 %"-#18-F .40 .51 3-4 8 .375 1.000 .500 1.260 .029 24 9.5 70.73 %"-#18-F								Comto		Einie				Doroont	
Plain Galv. Width Length Width Lgth. Width Lgth. Thickness Width Lgth.	Style	•		Standard	d Sizes										
%""#22-R 61 lb. .606 — 2 4 .085 .459 .200 .520 .024 60 23 .39.45 %""#20-F 73 lb. .727 — 2 4 .085 .459 .200 .520 .029 60 23 .39.45 %""#20-F .83 1.24 3-4 8 .094 .688 .255 1.031 .030 47 11.64 46.49 ½""#18-F 1.11 1.65 3-4 8 .094 .688 .255 1.031 .040 47 11.64 46.49 ½""#18-F .40 .51 .3-4 8 .375 1.000 .500 1.260 .029 .24 .9.5 70.73 ½""#18-F .66 .88 .3-4-6 8-10-12 .281 1.000 .500 1.260 .039 .24 .9.5 67.70 ½""#13-F .82 1.00 .3-4-6 8-10-12 .250 1.000 .500 <	•	Pour	nds			Openi	ngs in	Cente	er of	Thick	ness	Diam	onds	Open	
%e"-#20-F 73 lb. .727 — 2 4 .085 .459 .200 .520 .029 60 23 39.45 %"-#20-F .83 1.24 3-4 8 .094 .688 .255 1.031 .030 47 11.64 46.49 %"-#18-F 1.11 1.65 3-4 8 .094 .688 .255 1.031 .040 47 11.64 46.49 ½"-#20-F .40 .51 3-4 8 .375 1.000 .500 1.260 .029 24 9.5 70.73 ½"-#18-F .66 .88 3-4-6 8-10-12 .281 1.000 .500 1.260 .039 24 9.5 67.70 ½"-#16-F .82 1.00 3-4-6 8-10-12 .250 1.000 .500 1.260 .050 24 9.5 59.62 ½"-#13-F 1.40 1.62 3-4-6 8-10-12 .250 1.000 .500	•	Pour Per S	nds q. Ft.	In Fe	eet	Openi Inc	ngs in hes	Cente Bond In	er of Inches	Thick In In	ches	Diam In 12 I	onds nches	Open	
%"-#20-F .83 1.24 3-4 8 .094 .688 .255 1.031 .030 47 11.64 46.49 %"-#18-F 1.11 1.65 3-4 8 .094 .688 .255 1.031 .040 47 11.64 39.42 ½"-#20-F .40 .51 3-4 8 .375 1.000 .500 1.260 .029 24 9.5 70.73 ½"-#18-F .66 .88 3-4-6 8-10-12 .281 1.000 .500 1.260 .039 24 9.5 67.70 ½"-#16-F .82 1.00 3-4-6 8-10-12 .250 1.000 .500 1.260 .050 24 9.5 59.62 ½"-#13-F 1.40 1.62 3-4-6 8-10-12 .250 1.000 .500 1.260 .050 24 9.5 55.58 ¾"-16 H-F .51 .71 3-4-6 8-10-12 .750 1.750 .923	Designation	Poul Per Si Plain	nds q. Ft. Galv.	In Fe	eet Length	Openi Inc Width	ngs in hes Lgth.	Cente Bond In Width	er of Inches Lgth.	Thick In In Thick	ches cness	Diam In 12 I Width	nches Lgth.	Open	
%"-#18-F 1.11 1.65 3-4 8 .094 .688 .255 1.031 .040 47 11.64 39.42 ½"-#20-F .40 .51 3-4 8 .375 1.000 .500 1.260 .029 24 9.5 70.73 ½"-#18-F .66 .88 3-4-6 8-10-12 .281 1.000 .500 1.260 .039 24 9.5 67.70 ½"-#16-F .82 1.00 3-4-6 8-10-12 .250 1.000 .500 1.260 .050 24 9.5 59.62 ½"-#13-F 1.40 1.62 3-4-6 8-10-12 .250 1.000 .500 1.260 .050 24 9.5 55.58 ¾"-16 H-F .51 .71 3-4-6 8-10-12 .750 1.750 .923 2.100 .048 13 5.7 74.77 ¾"-#14-F .63 .75 3-4-6 8-10-12 .688 1.813 .923<	Designation %6"-#24-F 48 lb.	Pour Per S Plain .485	nds q. Ft. Galv.	In Fe Width 2	Length	Openi Inc Width .085	ngs in hes Lgth.	Cente Bond In Width	er of Inches Lgth.	Thick In In Thick	ches ches kness	Diam In 12 I Width	honds hoches Lgth.	Open Area	
½"-#20-F .40 .51 3-4 8 .375 1.000 .500 1.260 .029 24 9.5 70.73 ½"-#18-F .66 .88 3-4-6 8-10-12 .281 1.000 .500 1.260 .039 24 9.5 67.70 ½"-#16-F .82 1.00 3-4-6 8-10-12 .250 1.000 .500 1.260 .050 24 9.5 59.62 ½"-#13-F 1.40 1.62 3-4-6 8-10-12 .250 1.000 .500 1.260 .070 24 9.5 55.58 ¾"-16 H-F .51 .71 3-4-6 8-10-12 .750 1.750 .923 2.100 .048 13 5.7 74.77 ¾"-#14-F .63 .75 3-4-6 8-10-12 .688 1.813 .923 2.120 .061 13 5.62 69.72 ¾"-#13-F .75 .86 3-4-6 8-10-12 .688 1.782 <td< td=""><td>#24-F 48 lb. %="-#22-R 61 lb.</td><td>Per S Plain .485 .606</td><td>nds q. Ft. Galv. —</td><td>In Fe Width 2 2</td><td>Length 4</td><td>Openi Inc Width .085 .085</td><td>hes Lgth459</td><td>Cente Bond In Width .200 .200</td><td>er of Inches Lgth. .520</td><td>Thick In In Thick .0</td><td>ches ches cness 19</td><td>Diam In 12 I Width 60 60</td><td>Lgth.</td><td>Open Area 39.45</td></td<>	#24-F 48 lb. %="-#22-R 61 lb.	Per S Plain .485 .606	nds q. Ft. Galv. —	In Fe Width 2 2	Length 4	Openi Inc Width .085 .085	hes Lgth459	Cente Bond In Width .200 .200	er of Inches Lgth. .520	Thick In In Thick .0	ches ches cness 19	Diam In 12 I Width 60 60	Lgth.	Open Area 39.45	
½"-#18-F .66 .88 .3-4-6 8-10-12 .281 1.000 .500 1.260 .039 24 9.5 67.70 ½"-#16-F .82 1.00 3-4-6 8-10-12 .250 1.000 .500 1.260 .050 24 9.5 59.62 ½"-#13-F 1.40 1.62 3-4-6 8-10-12 .250 1.000 .500 1.260 .070 24 9.5 55.58 %"-16 H-F .51 .71 3-4-6 8-10-12 .750 1.750 .923 2.100 .048 13 5.7 74.77 %"-#14-F .63 .75 3-4-6 8-10 .688 1.813 .923 2.120 .061 13 5.62 69.72 %"-#13-F .75 .86 3-4-6 8-10-12 .688 1.782 .923 2.100 .070 13 5.62 72.75 %"-#13-F .75 .86 3-4-6 8-10-12 .688 1.782	%="-#24-F 48 lb. %="-#22-R 61 lb. %="-#20-F 73 lb.	Pour Per S Plain .485 .606 .727	nds q. Ft. Galv. — —	In Fe Width 2 2 2	Length 4 4 4	Openi Inc Width .085 .085	hes Lgth459 .459 .459	Cente Bond In Width .200 .200	er of Inches Lgth520 .520	Thick In In Thick .0 .0	ches ches cness 19 24	Diam In 12 I Width 60 60	honds Inches Lgth. 23 23 23	Open Area 39.45 39.45	
½"-#16-F .82 1.00 3-4-6 8-10-12 .250 1.000 .500 1.260 .050 24 9.5 59.62 ½"-#13-F 1.40 1.62 3-4-6 8-10-12 .250 1.000 .500 1.260 .070 24 9.5 55.58 ¾"-16 H-F .51 .71 3-4-6 8-10-12 .750 1.750 .923 2.100 .048 13 5.7 74.77 ¾"-#14-F .63 .75 3-4-6 8-10 .688 1.813 .923 2.120 .061 13 5.62 69.72 ¾"-#13-F .75 .86 3-4-6 8-10-12 .688 1.782 .923 2.100 .070 13 5.62 72.75 ¾"-# 9-F 1.71 1.86 3-4-6 8-10-12 .563 1.688 .923 2.120 .120 13 5.62 62.65	%e"-#24-F 48 lb. %e"-#22-R 61 lb. %e"-#20-F 73 lb. %"-#20-F	Pour Se	nds q. Ft. Galv. — — — — 1.24	In Fe Width 2 2 2 3-4	Length 4 4 4 8	Openi Inc Width .085 .085 .085	hes Lgth459 .459 .688	Cente Bond In Width .200 .200 .200 .255	er of Inches Lgth520 .520 .520 1.031	Thick In In Thick .0 .0	kness ches kness 19 24 29	Diam In 12 I Width 60 60 60 47	onds Inches Lgth. 23 23 23 11.64	Open Area 39.45 39.45 39.45	
½"-#13-F 1.40 1.62 3-4-6 8-10-12 .250 1.000 .500 1.260 .070 24 9.5 55.58 ¾"-16 H-F .51 .71 3-4-6 8-10-12 .750 1.750 .923 2.100 .048 13 5.7 74.77 ¾"-#14-F .63 .75 3-4-6 8-10 .688 1.813 .923 2.120 .061 13 5.62 69.72 ¾"-#13-F .75 .86 3-4-6 8-10-12 .688 1.782 .923 2.100 .070 13 5.62 72.75 ¾"-# 9-F 1.71 1.86 3-4-6 8-10-12 .563 1.688 .923 2.120 .120 13 5.62 62.65	%6"-#24-F 48 lb. %6"-#22-R 61 lb. %6"-#20-F 73 lb. %"-#20-F %"-#18-F	Pour Per S Plain .485 .606 .727 .83 1.11	nds q. Ft. Galv. — — — — 1.24 1.65	In Fe Width 2 2 2 2 3-4 3-4	Length 4 4 4 8 8	Openi Inc Width .085 .085 .085 .094	ngs in hes Lgth459 .459 .688 .688	Cente Bond In Width .200 .200 .200 .255 .255	er of Inches Lgth520 .520 .520 1.031 1.031	Thick In In Thick .0 .0 .0 .0 .0 .0 .0	kness ches kness 19 24 29 30 40	Diam In 12 I Width 60 60 60 47 47	onds nches Lgth. 23 23 23 11.64 11.64	39.45 39.45 39.45 46.49	
%"-16 H-F .51 .71 3-4-6 8-10-12 .750 1.750 .923 2.100 .048 13 5.7 74.77 %"-#14-F .63 .75 3-4-6 8-10 .688 1.813 .923 2.120 .061 13 5.62 69.72 %"-#13-F .75 .86 3-4-6 8-10-12 .688 1.782 .923 2.100 .070 13 5.62 72.75 %"-# 9-F 1.71 1.86 3-4-6 8-10-12 .563 1.688 .923 2.120 .120 13 5.62 62.65	%e"-#24-F 48 lb. %e"-#22-R 61 lb. %e"-#20-F 73 lb. %"-#20-F %"-#18-F ½"-#20-F	Pour Per S Plain .485 .606 .727 .83 1.11	nds q. Ft. Galv. ————————————————————————————————————	In Fe Width 2 2 2 3-4 3-4 3-4	Length 4 4 4 8 8 8	Openi Inc Width .085 .085 .085 .094 .094	ngs in hes Lgth459 .459 .688 .688 1.000	Cente Bond In Width .200 .200 .200 .255 .255 .500	er of Inches Lgth520 .520 .520 1.031 1.031 1.260	Thick In In Thick .0 .0 .0 .0 .0 .0 .0	kness ches kness 19 24 29 30 40 29	Diam In 12 I Width 60 60 60 47 47 24	onds nches Lgth. 23 23 23 11.64 11.64	39.45 39.45 39.45 46.49 39.42	
%"-#14-F .63 .75 3-4-6 8-10 .688 1.813 .923 2.120 .061 13 5.62 69.72 %"-#13-F .75 .86 3-4-6 8-10-12 .688 1.782 .923 2.100 .070 13 5.62 72.75 %"-# 9-F 1.71 1.86 3-4-6 8-10-12 .563 1.688 .923 2.120 .120 13 5.62 62.65	%e"-#24-F 48 lb. %e"-#22-R 61 lb. %e"-#20-F 73 lb. %"-#20-F %"-#18-F ½"-#20-F	Pour Per S Plain .485 .606 .727 .83 1.11 .40	nds q. Ft. Galv. ————————————————————————————————————	In Fe Width 2 2 2 3-4 3-4 3-4 3-4-6	Length 4 4 4 8 8 8 8 8-10-12	Openi Inc Width .085 .085 .085 .094 .094 .375 .281	ngs in hes Lgth459 .459 .459 .688 .688 1.000 1.000	Cente Bond In 1 Width .200 .200 .200 .255 .255 .500 .500	er of Inches Lgth520 .520 .520 1.031 1.031 1.260	Thick In In Thick .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0 .0	kness ches kness 19 24 29 30 440 29 39	Diam In 12 I Width 60 60 60 47 47 24 24	ronds nches Lgth. 23 23 23 11.64 11.64 9.5 9.5	39.45 39.45 39.45 46.49 39.42 70.73	
%"-#13-F .75 .86 3-4-6 8-10-12 .688 1.782 .923 2.100 .070 13 5.62 72.75 %"-# 9-F 1.71 1.86 3-4-6 8-10-12 .563 1.688 .923 2.120 .120 13 5.62 62.65	%"-#24-F 48 lb. %""-#22-R 61 lb. %""-#20-F 73 lb. %""-#20-F %"-#18-F ½"-#20-F ½"-#18-F ½"-#16-F	Pour Per S Plain .485 .606 .727 .83 1.11 .40 .66 .82 1.40	nds q. Ft. Galv. — — 1.24 1.65 .51 .88	In Fe Width 2 2 2 3-4 3-4 3-4 3-4-6 3-4-6	Eeet Length 4 4 4 8 8 8 8-10-12	Openis Inc Width .085 .085 .085 .094 .094 .375 .281	ngs in hes Lgth459 .459 .688 .688 .1.000 .1.000 .1.000	Cente Bond In Width .200 .200 .200 .255 .255 .500 .500	er of Inches Lgth520 .520 .520 1.031 1.031 1.260 1.260	Thick In In Thick	ches ches ches ches ches ches ches ches	Diam In 12 I Width 60 60 60 47 47 24 24 24 24	onds nches Lgth. 23 23 23 11.64 11.64 9.5 9.5 9.5	Open Area 39.45 39.45 39.45 46.49 39.42 70.73 67.70 59.62 55.58	
%"-# 9-F 1.71 1.86 3-4-6 8-10-12 .563 1.688 .923 2.120 .120 13 5.62 62.65	%"-#24-F 48 lb. %""-#22-R 61 lb. %""-#20-F 73 lb. %"-#20-F %"-#18-F ½"-#20-F ½"-#18-F ½"-#18-F ½"-#18-F	Pour Per S Plain .485 .606 .727 .83 1.11 .40 .66 .82 1.40	nds q. Ft. Galv. — — 1.24 1.65 .51 .88 1.00	In Fe Width 2 2 2 3-4 3-4 3-4-6 3-4-6 3-4-6	Beet Length 4 4 4 8 8 8 8-10-12 8-10-12 8-10-12	Openis Inc Width .085 .085 .085 .094 .094 .375 .281 .250	ngs in hes Lgth459 .459 .688 .688 1.000 1.000 1.000 1.000	Cente Bond In Width .200 .200 .255 .255 .500 .500 .500	er of Inches Lgth520 .520 .520 1.031 1.031 1.260 1.260 1.260	Thick In In In Thick	xness ches xness 119 224 229 330 440 229 339 550 770	Diam In 12 I Width 60 60 60 47 47 24 24 24 24	onds nches Lgth. 23 23 23 11.64 11.64 9.5 9.5 9.5	Open Area 39.45 39.45 39.45 46.49 39.42 70.73 67.70 59.62	
	%"-#24-F 48 lb. %""-#22-R 61 lb. %""-#20-F 73 lb. %""-#20-F %""-#18-F ½""-#18-F ½""-#16-F ½"-#13-F %"-16 H-F	Pour Per S Plain .485 .606 .727 .83 1.11 .40 .66 .82 1.40	nds q. Ft. Galv. — — — — — 1.24 1.65 .51 .88 1.00 1.62 .71 .75	In Fe Width 2 2 2 3-4 3-4 3-4 3-4-6 3-4-6 3-4-6 3-4-6 3-4-6	Beet Length 4 4 4 8 8 8 8-10-12 8-10-12 8-10-12 8-10-12 8-10-12 8-10-10	Openis Inc Width .085 .085 .085 .094 .094 .375 .281 .250 .250	ngs in hes Lgth459 .459 .459 .459 .688 .688 1.000 1.000 1.000 1.750 1.813	Cente Bond In Width .200 .200 .255 .255 .500 .500 .500 .923	er of Inches Lgth520 .520 .520 .520 1.031 1.031 1.260 1.260 1.260 2.100	Thick In In In Thick On .00 .00 .00 .00 .00 .00 .00 .00 .00 .0	xness ches ches ches ches ches ches ches c	Diam In 12 I Width 60 60 47 47 24 24 24 13 13	onds nches Lgth. 23 23 23 11.64 11.64 9.5 9.5 9.5 5.7 5.62	Open Area 39.45 39.45 39.45 46.49 39.42 70.73 67.70 59.62 55.58 74.77 69.72	
1" -#16-F .41 .50 4 8 .875 2.250 1.090 2.562 .048 11 4.684 76.79	Designation %e"-#24-F 48 lb. %e"-#22-R 61 lb. %e"-#20-F 73 lb. ¼"-#20-F ½"-#18-F ½"-#16-F ½"-#16-F ½"-#13-F ¾"-16 H-F ¾"-#14-F	Pour Per S Plain .485 .606 .727 .83 1.11 .40 .66 .82 1.40	nds q. Ft. Galv. — — — — — 1.24 1.65 .51 .88 1.00 1.62 .71 .75	In Fe Width 2 2 2 3-4 3-4 3-4 3-4-6 3-4-6 3-4-6 3-4-6 3-4-6	Beet Length 4 4 4 8 8 8 8-10-12 8-10-12 8-10-12 8-10-12 8-10-12 8-10-10	Openi Inc Width .085 .085 .085 .094 .094 .375 .281 .250 .250	ngs in hes Lgth459 .459 .459 .459 .688 .688 1.000 1.000 1.000 1.750 1.813	Cente Bond In 1 Width .200 .200 .200 .255 .255 .500 .500 .500	er of Inches Lgth520 .520 .520 1.031 1.031 1.260 1.260 1.260 2.100 2.120	Thick In In Thick On the In	xness ches xness 119 224 229 330 440 229 339 550 770 448 661	Diam In 12 I Width 60 60 47 47 24 24 24 13 13	onds nches Lgth. 23 23 23 11.64 11.64 9.5 9.5 9.5 5.7 5.62	Open Area 39.45 39.45 39.45 46.49 39.42 70.73 67.70 59.62 55.58 74.77	
	## Designation %e"-#24-F 48 lb. %e"-#22-R 61 lb. %e"-#20-F 73 lb. %"-#20-F %"-#18-F %"-#18-F %"-#18-F %"-#16-F %"-#13-F %"-#14-F %"-#14-F %"-#13-F	Pour Per S Plain .485 .606 .727 .83 1.11 .40 .66 .82 1.40 .51 .63 .75	nds q. Ft. Galv. — — 1.24 1.65 .51 .88 1.00 1.62 .71 .75	In Fe Width 2 2 2 3-4 3-4 3-4 3-4-6 3-4-6 3-4-6 3-4-6 3-4-6 3-4-6	Beet Length 4 4 4 8 8 8 8-10-12 8-10-12 8-10-12 8-10-12 8-10-18 8-10-12 8-10-12	Openi Inc Width .085 .085 .094 .094 .375 .281 .250 .250 .750 .688	ngs in hes Lgth459 -459 -459 -459 -688 -688 -1.000 -1.000 -1.000 -1.750 -1.813 -1.782	Cente Bond In 1 Width .200 .200 .200 .255 .255 .500 .500 .500	er of Inches Lgth520 .520 .520 1.031 1.031 1.260 1.260 1.260 2.100 2.120 2.100	Thick In	xness ches xness 19 24 229 330 440 229 339 550 770 448 661 770	Diam In 12 I Width 60 60 47 47 24 24 24 13 13 13	nonds nches Lgth. 23 23 23 11.64 11.64 9.5 9.5 9.5 5.7 5.62 5.62	Open Area 39.45 39.45 39.45 46.49 39.42 70.73 67.70 59.62 55.58 74.77 69.72	

Size of

Openings in

Inches

Lgth

437

437

437

719

719

.938

.938

938

.938

1.750

1.688

Width

.166

166

.166

172

.172

.438

438

.375

.313

813

.750

Center to

Center of

Bond In Inches

Lgth

.50

50

.50

1.0

1.0

1.2

1.2

1.2

1.2

2.0

2.0

Width

.200

.200

.200

255

.255

.500

.500

.500

.500

923

.923

Number of

Diamonds

In 12 Inches

Lgth.

24

24

24

12

12

10

10

10

10

6

6

Width

60

60

60

47

47

24

24

24

24

13

13

9

9

9

9

Number of

Diamonds

In 12 Inches

Lgth.

2.25

2.00

2.25

3.00

2.25

2.25

2.25

Lgth.

Number of

Diamonds

In 12 Inches

Width

9

6

9

8.5

9

8.5

8.5

Width

8

8

8

3.8

3.8

3.8

3.747

81.84

81.84

78.81

75.78

Percent

Percent

Area

70-76

70-74

62-70

56-62

49-54

52-60

55-64

Percent

Open

Area

65

65

65

.048

.060

.070

.110

Installation is done quickly and easily by welding or bolting. Irregular shapes are easy to cut and place. The neat appearance, long life,

and freedom from repair offered by open mesh floorings mean main-

Size of

Strands in

Inches

.250

215

.243

.250

.312

.312

Thickness

.183

183

.183

Size of

Strands in

Inches

Width

.261

308

297

300

327

347

.388

Width

.264

264

.264

Percent

Open

Area

55.67

54.65

46.63

48.58

42.57

76.82

74.80

69.73

56.60

84.86

76.80

Size of

Strands in

Inches

Width

0.50

.050

.050

.073

.073

.072

.088

.086

.096

099

.096

Thickness

.024

.030

.036

.036

.048

.036

.048

.060

.092

.060

.092

tenance costs are at a minimum. Uses: Plant runways, catwalks, and working platforms.

EXPANDED METAL WALKWAY, SKYWALK & GRATING

1.063

1.063

1.063

1.000

2.750

2.750

2.750

2.563

1.330

1.330

1.330

1.330

3.200

3.200

3.200

3.200

GR

4

3-4-6

3-4-6

8

8

8

3-4-6 8-10-12

.44

.56

.68

1.28

	weight in		Size of	Center to	
Style	Pounds	Standard Sizes	Openings in	Center of	

Style	Style Pounds		Standard Sizes	Openings in	Center of	
Designation	Per Sq. Ft.		In Feet	Inches	Bond In Inches	
	Dlain	Calv	Midth CMDI anath LMI	D Width Lath	Midth Lath	Thi

Designation	Per Sq. Ft.		In Feet	Inches		Bond In Inches		Inch	
	Plain	Galv.	Width SWDLength LWD	Width	Lgth.	Width	Lgth.	Thickness	

Designation	Per Sq. Ft.		in Feet	inches		Bond in inches		In	
	Plain	Galv.	Width SWDLength LWD	Width	Lgth.	Width	Lgth.	Thicknes	
3.0 lbR	3.00	3.20	3-4-5-6 8-10-12	.938	3.438	1.333	5.330	.183	

"			THOUSE OF THE STATE OF THE STAT					
	Plain	Galv.	Width SWDLength LWD	Width	Lgth.	Width	Lath.	Th

	Plain	Galv.	Width SWDLength LWD	Width	Lgth.	Width	Lgth.	Thi
10 lb -B	3.00	3 20	3-4-5-6 8-10-12	938	3 438	1.333	5 330	

	Plain	Galv.	Width SWDLength LWD	Width	Lgth.	Width	Lgth.	Thic
0 0 II- D	0.00	0.00	0 4 5 0 0 40 40	000	0.400	4 000	F 000	

	i iaiii	daiv.	Width OWDLength LWD	vvidui	Lgui.	VVIGITI	Lgui.
3.0 lbR	3.00	3.20	3-4-5-6 8-10-12	.938	3.438	1.333	5.330
3.14 lbR	3.14	3.34	3-4-6 10	1.625	4.875	2.000	6.000

3-4-5-6

3-4-6

4-5-6

3-4-6

4

Standard Sizes

In Inches

6-8-10

36

36-48-72

	Plain	Galv.	Width SWDLength LWD	Width	Lgth.	Width	Lgth.	
R N Ih -R	3.00	3 20	3-4-5-6 8-10-12	038	3 438	1 333	5 330	_

	Plain	Galv.	Width SWDLength LWD	Width	Lgth.	Width	Lgth.	Thi
2 N IA D	2 00	2 20	2 4 5 6 9 10 12	020	2 /20	1 222	5 220	

			a 0112 20119111 2112		-9	********	-9	
0 lbR	3.00	3.20	3-4-5-6 8-10-12	.938	3.438	1.333	5.330	

8-10

8-10

8-10

4-8-12

100"

Width SWDLength LWD Width

96

27

96

-REGULAR Manufacturing from Mild Carbon Steel and Type 5052-H32 Aluminum

Style	Pounds	Standard Sizes	Openings in	Center of	
-------	--------	----------------	-------------	-----------	--

from	Mild	Carbon	Steel	and	Туре	5052-	-H32	Alumi	inun

3.438

2.969

3.375

3.375

3.375

Lgth

6.125

6.125

6.125

1.333

1.412

1.333

1.412

1.412

Center to

Center of

Bond In Inches

Width

1.500

1.500

1.500

5.330

4.000

5.330

5 330

5.330

Lgth.

5.330

5.330

5.330

938

1.036

.813

.813

.813

1.250

1.250

1.250

Size of

Openings in

Inches

Style	Pounds	Standard Sizes	Openings in	Center of	
Style	Pounds	Standard Sizes	Openings in	Center of	

Weight In	Size of	Center to	

Weight In	Size of	Center to	
-----------	---------	-----------	--

-REGULAR M	lanutacturea trom IVII	ia Carbon Steel and	Type 5052-H32 Aluminum

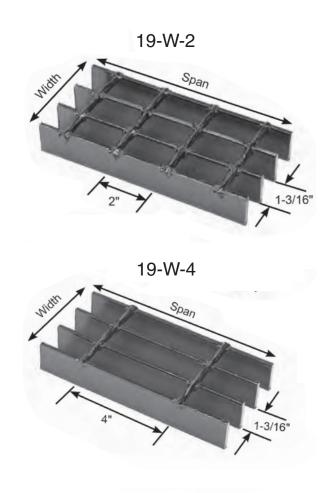
W ' 111	0: (Combourto
Weight In	Size of	Center to

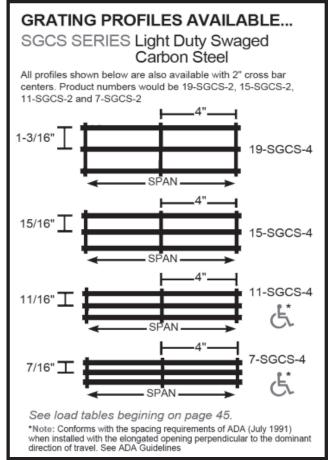
Weight In	Size of	Center to

Style	Pounds	Standard Sizes	Openings in	Center of	

RATING—REGULAR Manufactured from Mild Carbon Steel and Type 505	2-H32 Aluminum
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MIIII	TIEGOLATT Manufactured from Mild Carbon Steel and Type 3032-1132 Aluminum





LIGHT DUTY WELDED, LIGHT DUTY DOVE TAIL, LIGHT DUTY SWAGED CARBON STEEL

Bar Size,	Ped Span,	Wt.*	Sec. Prop Sx*, in ³		Clear Span													
Inches	Inches	Sq. Ft.	lx*, in*		2'- 0"	2'- 6"	3'- 0"	3'- 6"	4'- 0"	4'- 6"	5'- 0"	5'- 6"	6'- 0"	6'- 6"	7'- 0"	8'- 0"		
			0.178	U	533	341	237	174	133			U-Safe uniform load in pounds/sq.ft.						
3/4 x 3/16	46	5.43	0.176	D	0.099	0.155	0.224	0.304	0.397	1	II-Sa							
3/4 X 3/10	40	3.43	0.067	С	533	426	355	305	266]	C-Safe concentrated load in							
			0.001	D	0.079	0.124	0.179	0.244	0.317						III			
			0.211	U	632	404	281	206	158	125	poun	pounds/ft. grating width						
1 x 1/8	11 x 1/8 51 4.			D	0.075	0.116	0.168	0.228	0.298	0.378	D-De	D-Deflection in inches						
		1.00	0.105	C	632	505	421	361	316	281 0.302								
				D	0.060 947	0.093	0.134	0.183	0.239	187	152	Loa	de and	doflacti	one aiv	on in		
		9000000000	0.316 0.158	D	0.074	0.116	0.168	0.228	0.298	0.377	0.467		ads and deflections given in					
1 x 3/16	57	7.04		С	947	758	632	541	474	421	379	1	nis table are theoretical and					
		, 419 (530 (41))		D	0.060	0.093	0.134	0.182	0.239	0.302	0.372	b	ased or	n a unit	stress	of		
			0.000	U	987	632	439	322	247	195	158	130	18,000) psi.				
4 4/4 4/0			0.329	D	0.060	0.093	0.134	0.182	0.239	0.302	0.373	0.449	1	•				
1-1/4 x 1/8	61	5.96	0.206	C	987	789	658	564	493	439	395	359	1					
			0.206	D	0.048	0.074	0.107	0.146	0.191	0.242	0.298	0.361	1					
1-1/4 x 3/16	67	8.64	0.493	U	1480	947	658	483	370	292	237	196	164					
				D	0.060	0.093	0.134	0.182	0.238	0.301	0.373	0.451	0.535					
			0.308	С	1480	1184	987	846	740	658	592	538	493					
				D	0.048	0.074	0.107	0.146	0.191	0.241	0.298	0.360	0.429					
1-1/2 x 1/8	70	7.04	0.474	U	1421	909	632	464	355	281	227	188	158					
				D	0.050	0.078	0.112	0.152	0.198	0.252	0.310	0.376	0.447					
				C D	1421	1137	947 0.089	812	711 0.159	632 0.201	568 0.248	517	474 0.358					
				U	0.040 2132	0.062 1364	947	0.122 696	533	421	341	0.301 282	237	202	1			
	77	10.25	0.711	D	0.050	0.078	0.112	0.152	0.199	0.251	0.310	0.376	0.447	0.525	1			
1-1/2 x 3/16			0.533	C	2132	1705	1421	1218	1066	947	853	775	711	656	1			
				Ď	0.040	0.062	0.089	0.122	0.159	0.201	0.248	0.300	0.358	0.420	1			
	87	11.87	0.967	U	2901	1857	1289	947	725	573	464	384	322	275	237	181		
1-3/4 x 3/16				D	0.043	0.067	0.096	0.130	0.170	0.215	0.266	0.322	0.383	0.450	0.522	0.680		
1-3/4 X 3/16			0.846	С	2901	2321	1934	1658	1451	1289	1160	1055	967	893	829	725		
				D	0.034	0.053	0.077	0.104	0.136	0.172	0.213	0.257	0.306	0.360	0.417	0.545		
2 x 3/16 2-1/4 x 3/16	96	13.48	1.263	U	3789	2425	1684	1237	947	749	606	501	421	359	309	237		
				D	0.037	0.058	0.084	0.114	0.149	0.189	0.233	0.282	0.335	0.394	0.456	0.596		
			1.263	С	3789	3032	2526	2165	1895	1684	1516	1378	1263	1166	1083	947		
				D	0.030	0.047	0.067	0.091	0.119	0.151	0.186	0.225	0.268	0.315	0.365	0.477		
		15.08		U	4796	3069	2132	1566	1199	947	767	634	533	454	392	300		
				D	0.033	0.052	0.074	0.101	0.132	0.168	0.207	0.250	0.298	0.350	0.406	0.530		
			1.798	C	4796	3837	3197	2741	2398 0.106	2132	1918	1744	1599	1476	1370	1199		
2-1/2 x 3/16	113			D	0.026	0.041 3789	0.060 2632	0.081 1933	1480	0.134	0.165	0.200	0.238 658	0.280 561	0.324	0.424		
			1.974	D	5921 0.030	0.047	0.067	0.091	0.119	0.151	947 0.186	783 0.225	0.268	0.315	483 0.365	370 0.477		
		16.70				4737	3947	3383	2960	2632	2368	2153	1974	1822	1692	1480		
			2.467	D	5921 0.024	0.037	0.054	0.073	0.095	0.121	0.149	0.180	0.215	0.252	0.292	0.381		
				U	0.024	0.037	0.054	0.073	0.035	0.121	0.149	0.100	0.215	0.252	0.292	0.361		

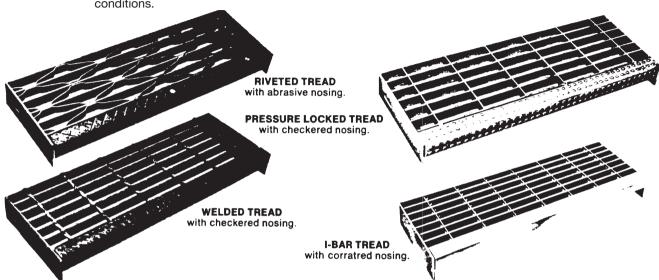
*Based on 10.105 bars/ft. of grating width. Bearing bars 1-3/16" c.c. Add .6 lbs./sq.ft. for 19-SGCS-2. Note: Grating for spans to the left of the heavy line have a deflection less than 1/4" for uniform loads of 100 lbs./sq. ft. This is the maximum deflection to afford pedestrian comfort and can be exceeded for other types of load at the discretion of the engineer. The actual Ped (pedestrian) Span under this condition is shown above for each size of grating. When serrated grating is specified, the depth of grating required for a specific load will be 1/4" greater than that shown in these tables. 3/4" x 3/16" serrated grating is not available.

Panel Width Chart (in.) - 19-W-4, 19-W-2, 19-DT-4, 19-DT-2, 19-SGCS-4 & 19-SGCS-2 Dimensions Are Out-to-Out of Bearing Bars**

No. of Bars	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
3/16" Bars	1-3/8	2-9/16	3-3/4	4-15/16	6-1/8	7-5/16	8-1/2	9-11/16	10-7/8	12-1/16	13-1/4	14-7/16	15-5/8	16-13/16	18
No. of Bars	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
3/16" Bars	19-3/16	20-3/8	21-9/16	22-3/4	23-15/16	25-1/8	26-5/16	27-1/2	28-11/16	29-7/8	31-1/16	32-1/4	33-7/16	34-5/8	35-13/16

STAIR TREADS

Stair treads are fabricated in any grating type, complete with carrier plates at each end of tread for bolting to stair stringers. Tread nosing makes the leading edge of each step stand out clearly. Serrated treads are recommended to eliminate hazardous footing conditions.







Checkered Plate

Steel

treads

only

Abrasive

Corratred

Steel and Aluminum Treads

Aluminum Treads only

11/4"

SEE TABLE FIRESHED WIDTH

*Steel Treads 1¾" up to and including 11/4" deep treads 21/4" for others

Aluminum Treads 21/4" all depths

7/6" of hole & slot for 38" of bolt.

TABLE OF STANDARD TREAD WIDTHS FOR:

Steel grating with checkered plate nosing. Aluminum grating with corratred nosing. (Treads with abrasive nosings are 1/8" less in width)

RECTANGULAR B W/B IB	(DIMENSION A) HOLE CENTERS	RIVETED TYPE K (1/16 B.B.)				
6%	2½	6%				
7½	4½	81/4				
8¾	4½	9½				
9%	7	10¾				
11%	7	12%				
121/4	7	13%				