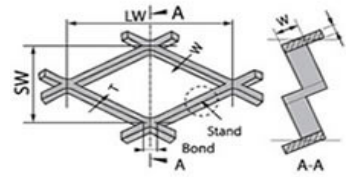




## Expanded Metal

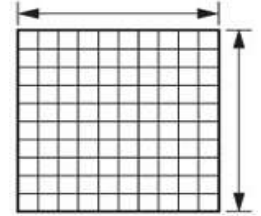
Expanded metal is the metal sheet ripped and stretched into strands but joined at the knuckles. This pattern increases the strength and decreases the weight of the metal simultaneously. The expanded metal provides the rigid and durable sheet that ensures excellent load bearing property with less distortion in shape. It also contains supreme surface friction, light-weight and beauty. The expanded metal can be used in many ways such as making fence or overhead walkway, using as construction wire-mesh, using as filter plate, making ventilation grills or showcase stand etc.



| Nominal Size<br>(ft. x ft.) | Code  | Thickness<br>(mm.) | Short Wide<br>(mm.) | Long Wide<br>(mm.) | Wide<br>(mm.) | Weight<br>(kg./piece)<br>4'x8' |
|-----------------------------|-------|--------------------|---------------------|--------------------|---------------|--------------------------------|
| 4 x 8                       | XS 11 | 4.50               | 34.00               | 99.99              | 7.00          | 43.10                          |
| 4 x 8                       | XS 12 | 6.00               | 34.00               | 99.99              | 7.00          | 57.00                          |
| 4 x 8                       | XS 21 | 4.50               | 36.00               | 99.99              | 7.00          | 40.70                          |
| 4 x 8                       | XS 22 | 6.00               | 36.00               | 99.99              | 7.00          | 54.40                          |
| 4 x 8                       | XS 31 | 1.20               | 12.00               | 30.50              | 1.50          | 7.01                           |
| 4 x 8                       | XS 32 | 1.60               | 12.00               | 30.50              | 2.00          | 12.50                          |
| 4 x 8                       | XS 33 | 2.30               | 12.00               | 30.50              | 3.00          | 9.03                           |
| 4 x 8                       | XS 41 | 1.60               | 22.00               | 50.80              | 2.00          | 6.80                           |
| 4 x 8                       | XS 42 | 2.30               | 22.00               | 50.80              | 3.00          | 12.20                          |
| 4 x 8                       | XS 43 | 3.00               | 22.00               | 50.80              | 3.50          | 23.80                          |
| 4 x 8                       | XS 51 | 1.60               | 25.00               | 61.00              | 2.50          | 7.50                           |
| 4 x 8                       | XS 52 | 2.30               | 25.00               | 61.00              | 2.50          | 12.90                          |
| 4 x 8                       | XS 53 | 3.00               | 25.00               | 61.00              | 4.00          | 23.90                          |
| 4 x 8                       | XS 61 | 2.30               | 34.00               | 76.20              | 3.00          | 9.50                           |
| 4 x 8                       | XS 62 | 3.00               | 34.00               | 76.20              | 4.00          | 17.60                          |
| 4 x 8                       | XS 63 | 4.50               | 34.00               | 76.20              | 5.00          | 30.90                          |

# Wire Mesh (Square)

is classified as a type of steel rod. Manufactured from cold-rolled steel (Cold Drawn Steel Wire) weaving together in a standard size of 2-4 meters wide and 5-50 meters long, use in ferro-concrete instead of binding a steel rod.

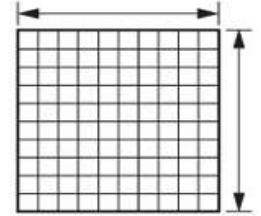


| Spacing (mm.) |       | Wire Diameter (mm.) | Weight (kg./m.) | Weight (kg./m <sup>2</sup> ) 6m. |
|---------------|-------|---------------------|-----------------|----------------------------------|
| Main          | Cross |                     |                 |                                  |
| 100           | 100   | 3.20                | 0.06            | 1.26                             |
|               |       | 3.40                | 0.07            | 1.42                             |
|               |       | 3.60                | 0.08            | 1.60                             |
|               |       | 3.80                | 0.08            | 1.78                             |
| 150           | 150   | 3.20                | 0.06            | 0.84                             |
|               |       | 3.30                | 0.06            | 0.89                             |
|               |       | 3.40                | 0.07            | 0.95                             |
|               |       | 3.60                | 0.08            | 1.07                             |
|               |       | 3.80                | 0.08            | 1.19                             |
|               |       | 4.00                | 0.09            | 1.32                             |
|               |       | 4.30                | 0.11            | 1.52                             |
|               |       | 4.60                | 0.13            | 1.75                             |
|               |       | 5.00                | 0.15            | 2.05                             |
|               |       | 5.60                | 0.19            | 2.57                             |
|               |       | 6.00                | 0.22            | 2.96                             |
|               |       | 8.00                | 0.39            | 5.27                             |
| 200           | 200   | 3.20                | 0.06            | 0.63                             |
|               |       | 3.30                | 0.06            | 0.67                             |
|               |       | 3.40                | 0.07            | 0.71                             |
|               |       | 3.60                | 0.08            | 0.80                             |
|               |       | 3.80                | 0.08            | 0.89                             |
|               |       | 4.00                | 0.09            | 0.99                             |
|               |       | 4.30                | 0.11            | 1.14                             |
|               |       | 4.60                | 0.13            | 1.31                             |
|               |       | 5.00                | 0.15            | 1.54                             |
|               |       | 5.60                | 0.19            | 1.93                             |
|               |       | 6.00                | 0.22            | 2.22                             |
|               |       | 8.00                | 0.39            | 3.95                             |

| Spacing (mm.) |       | Wire Diameter<br>(mm.) | Weight<br>(kg./m.) | Weight<br>(kg./m <sup>2</sup> )<br>6m. |
|---------------|-------|------------------------|--------------------|--|
| Main          | Cross |                        |                    |  |
|               |       | 9.00                   | 0.49               | 4.99                                   |
|               |       | 10.00                  | 0.61               | 6.16                                   |
|               |       | 12.00                  | 0.88               | 8.88                                   |
| 250           | 250   | 3.20                   | 0.06               | 0.50                                   |
|               |       | 3.30                   | 0.06               | 0.54                                   |
|               |       | 3.40                   | 0.07               | 0.57                                   |
|               |       | 3.60                   | 0.08               | 0.64                                   |
|               |       | 3.80                   | 0.08               | 0.71                                   |
|               |       | 4.00                   | 0.09               | 0.79                                   |
|               |       | 4.30                   | 0.11               | 0.91                                   |
|               |       | 4.60                   | 0.13               | 1.05                                   |
|               |       | 5.00                   | 0.15               | 1.23                                   |
|               |       | 5.60                   | 0.19               | 1.54                                   |
|               |       | 6.00                   | 0.22               | 1.78                                   |
|               |       | 8.00                   | 0.39               | 3.16                                   |
|               |       | 9.00                   | 0.49               | 3.99                                   |
|               |       | 10.00                  | 0.61               | 4.93                                   |
| 300           | 300   | 3.20                   | 0.06               | 0.45                                   |
|               |       | 3.30                   | 0.06               | 0.45                                   |
|               |       | 3.40                   | 0.07               | 0.47                                   |
|               |       | 3.60                   | 0.08               | 0.53                                   |
|               |       | 3.80                   | 0.08               | 0.59                                   |
|               |       | 4.00                   | 0.09               | 0.66                                   |
|               |       | 4.30                   | 0.11               | 0.76                                   |
|               |       | 4.60                   | 0.13               | 0.87                                   |
|               |       | 5.00                   | 0.15               | 1.03                                   |
|               |       | 5.60                   | 0.19               | 1.29                                   |
|               |       | 6.00                   | 0.22               | 1.48                                   |
|               |       | 8.00                   | 0.39               | 2.63                                   |
|               |       | 9.00                   | 0.49               | 3.33                                   |
|               |       | 10.00                  | 0.61               | 4.11                                   |
|               |       | 12.00                  | 0.88               | 5.92                                   |

# Wire Mesh (Rectangular)

is classified as a type of steel rod. Manufactured from cold-rolled steel (Cold Drawn Steel Wire) weaving together in a standard size of 2-4 meters wide and 5-50 meters long, use in ferro-concrete instead of binding a steel rod.



| Spacing (mm.) |       | Wire Diameter (mm.) | Weight (kg./m.) | Weight (kg./m <sup>2</sup> ) 6m. |
|---------------|-------|---------------------|-----------------|----------------------------------|
| Main          | Cross |                     |                 |                                  |
| 100           | 150   | 3.20                | 0.06            | 1.05                             |
|               |       | 3.30                | 0.06            | 1.12                             |
|               |       | 3.40                | 0.07            | 1.18                             |
|               |       | 3.60                | 0.08            | 1.33                             |
|               |       | 3.80                | 0.08            | 1.48                             |
|               |       | 4.00                | 0.09            | 1.65                             |
|               |       | 4.30                | 0.11            | 1.90                             |
|               |       | 4.60                | 0.13            | 2.18                             |
|               |       | 5.00                | 0.15            | 2.57                             |
|               |       | 5.60                | 0.19            | 3.22                             |
|               |       | 6.00                | 0.22            | 3.70                             |
|               |       | 8.00                | 0.39            | 6.58                             |
|               |       | 9.00                | 0.49            | 8.32                             |
|               |       | 10.00               | 0.61            | 10.27                            |
| 12.00         | 0.88  | 14.80               |                 |                                  |
| 100           | 200   | 3.20                | 0.06            | 0.95                             |
|               |       | 3.30                | 0.06            | 1.01                             |
|               |       | 3.40                | 0.07            | 1.07                             |
|               |       | 3.60                | 0.08            | 1.20                             |
|               |       | 3.80                | 0.08            | 1.34                             |
|               |       | 4.00                | 0.09            | 1.49                             |
|               |       | 4.30                | 0.11            | 1.71                             |
|               |       | 4.60                | 0.13            | 1.97                             |
|               |       | 5.00                | 0.15            | 2.31                             |
|               |       | 5.60                | 0.19            | 2.90                             |
|               |       | 6.00                | 0.22            | 3.33                             |
|               |       | 8.00                | 0.39            | 5.93                             |
|               |       | 9.00                | 0.49            | 7.49                             |
|               |       | 10.00               | 0.61            | 9.24                             |
| 12.00         | 0.88  | 13.32               |                 |                                  |

| Spacing (mm.) |       | Wire Diameter<br>(mm.) | Weight<br>(kg./m.) | Weight<br>(kg./m <sup>2</sup> )<br>6m. |
|---------------|-------|------------------------|--------------------|--|
| Main          | Cross |                        |                    |  |
| 100           | 300   | 3.20                   | 0.06               | 0.84                                   |
|               |       | 3.30                   | 0.06               | 0.89                                   |
|               |       | 3.40                   | 0.07               | 0.95                                   |
|               |       | 3.60                   | 0.08               | 1.07                                   |
|               |       | 3.80                   | 0.08               | 1.19                                   |
|               |       | 4.00                   | 0.09               | 1.32                                   |
|               |       | 4.30                   | 0.11               | 1.52                                   |
|               |       | 4.60                   | 0.13               | 1.75                                   |
|               |       | 5.00                   | 0.15               | 2.05                                   |
|               |       | 5.60                   | 0.19               | 2.57                                   |
|               |       | 6.00                   | 0.22               | 2.96                                   |
|               |       | 8.00                   | 0.39               | 5.27                                   |
|               |       | 9.00                   | 0.49               | 6.65                                   |
|               |       | 10.00                  | 0.61               | 8.21                                   |
| 12.00         | 0.88  | 11.84                  |                    |  |
| 150           | 200   | 3.20                   | 0.06               | 0.74                                   |
|               |       | 3.30                   | 0.06               | 0.78                                   |
|               |       | 3.40                   | 0.07               | 0.83                                   |
|               |       | 3.60                   | 0.08               | 0.93                                   |
|               |       | 3.80                   | 0.08               | 1.04                                   |
|               |       | 4.00                   | 0.09               | 1.16                                   |
|               |       | 4.30                   | 0.11               | 1.33                                   |
|               |       | 4.60                   | 0.13               | 1.53                                   |
|               |       | 5.00                   | 0.15               | 1.80                                   |
|               |       | 5.60                   | 0.19               | 2.25                                   |
|               |       | 6.00                   | 0.22               | 2.59                                   |
|               |       | 8.00                   | 0.39               | 4.61                                   |
|               |       | 9.00                   | 0.49               | 5.82                                   |
|               |       | 10.00                  | 0.61               | 7.19                                   |
| 12.00         | 0.88  | 10.36                  |                    |  |
| 150           | 250   | 3.20                   | 0.06               | 0.67                                   |
|               |       | 3.30                   | 0.06               | 0.71                                   |
|               |       | 3.40                   | 0.07               | 0.76                                   |
|               |       | 3.60                   | 0.08               | 0.85                                   |
|               |       | 3.80                   | 0.08               | 0.95                                   |
|               |       | 4.00                   | 0.09               | 1.06                                   |

| Spacing (mm.) |       | Wire Diameter<br>(mm.) | Weight<br>(kg./m.) | Weight<br>(kg./m <sup>2</sup> )<br>6m. |
|---------------|-------|------------------------|--------------------|--|
| Main          | Cross |                        |                    |  |
|               |       | 4.30                   | 0.14               | 1.22                                   |
|               |       | 4.60                   | 0.13               | 1.40                                   |
|               |       | 5.00                   | 0.15               | 1.64                                   |
|               |       | 5.60                   | 0.19               | 2.06                                   |
|               |       | 6.00                   | 0.22               | 2.37                                   |
|               |       | 8.00                   | 0.39               | 4.21                                   |
|               |       | 9.00                   | 0.49               | 5.32                                   |
|               |       | 10.00                  | 0.61               | 6.57                                   |
|               |       | 12.00                  | 0.88               | 9.47                                   |
| 150           | 300   | 3.20                   | 0.06               | 0.63                                   |
|               |       | 3.30                   | 0.06               | 0.67                                   |
|               |       | 3.40                   | 0.07               | 0.71                                   |
|               |       | 3.60                   | 0.08               | 0.80                                   |
|               |       | 3.80                   | 0.08               | 0.89                                   |
|               |       | 4.00                   | 0.09               | 0.99                                   |
|               |       | 4.30                   | 0.11               | 1.14                                   |
|               |       | 4.60                   | 0.13               | 1.31                                   |
|               |       | 5.00                   | 0.15               | 1.54                                   |
|               |       | 5.60                   | 0.19               | 1.93                                   |

# Annealing Wire

is used for binding steel rod for strengthen the structure in ferro-concrete work. For example, floor and beam concrete work must strengthen the structure before fill in the concrete.

| Diameter<br>(mm.) | Quality/Set | Weight<br>(kg./set) |
|-------------------|-------------|---------------------|
| 1.20              | 50          | 4.00                |