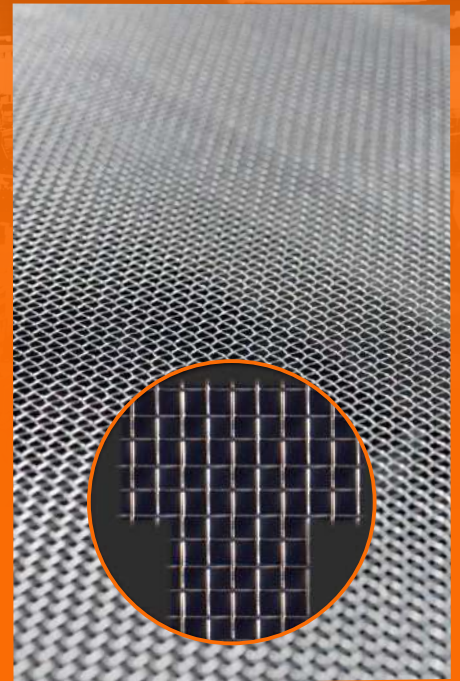


# Woven mesh

**Woven wire mesh** is a versatile metal product that is made by weaving wire strands together. It is widely used in various industries, including construction, mining, agriculture, and manufacturing, and is known for its strength and durability. Wire mesh is used for filtering, sieving, fencing, security screens, and insect screening. It can be made from different materials, including steel, stainless steel, and brass, and is available in different sizes and styles.

## Product Range

- 1 Mesh to 2300 Mesh
- Opening from 0.002MM ( 2 Micron ) to 22 MM
- Material – SS304, SS316, Brass, Phosphor Bronze, Copper, Monel, Aluminum, Galvanised Iron
- Order Type – Ready Stock, Make to Order

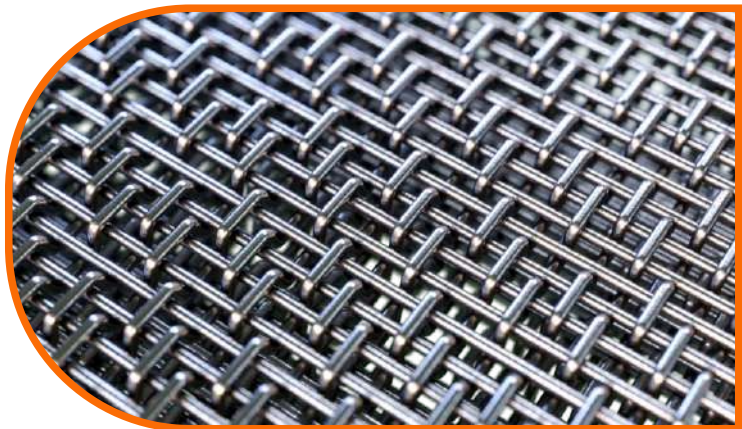
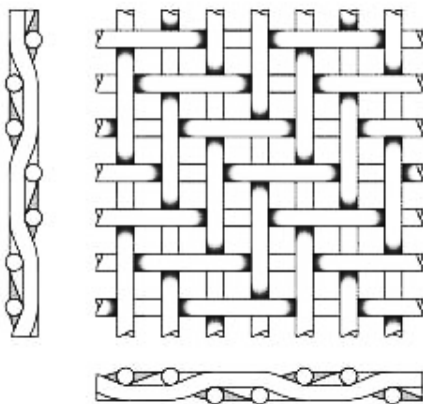
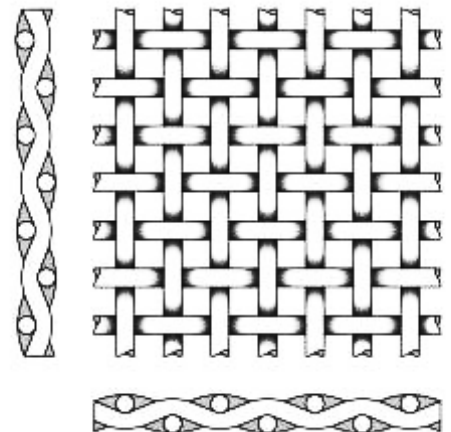
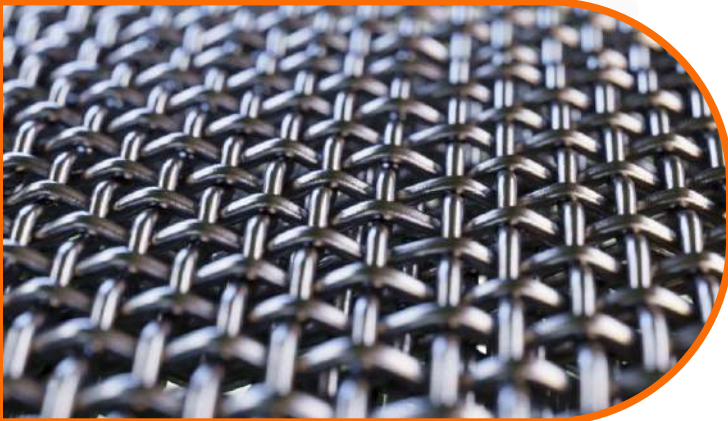


# PRODUCTS

## Types of Weave

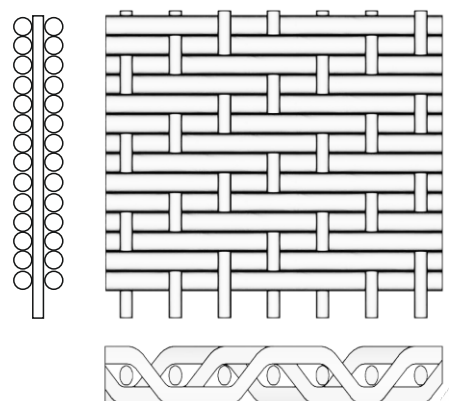
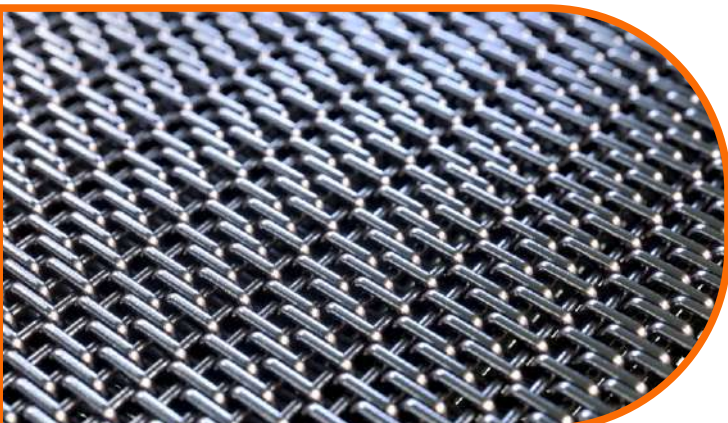
Wire mesh can be woven in several different ways to create different patterns and densities. Here are some of the most common types of weave:

Plain Weave



Twill Weave

Dutch Weave



woven to perfection

# Woven mesh

## Plain Weave Wire Mesh Technical

Stated below are the technicals of the Plain Weave wire Mesh. These items are mostly available in stock in standard Width sizes. Any special requirement can be manufactured to order. The standard material for these meshes are SS 304, SS 304L, SS 316, SS 316L & SS 310

| Mesh | Diameter of Wire |      | Opening in MM | Approx Open Area % |
|------|------------------|------|---------------|--------------------|
|      | SWG              | MM   |               |                    |
|      |                  |      |               |                    |
| 1    | -                | 3    | 22.40         | 77%                |
| 1    | -                | 2.5  | 22.90         | 81%                |
| 2    | -                | 3    | 9.70          | 58%                |
| 2    | -                | 2.5  | 10.20         | 64%                |
| 2    | 14               | 2    | 10.70         | 70%                |
| 3    | -                | 2.5  | 5.96          | 49%                |
| 3    | 14               | 2    | 6.46          | 58%                |
| 3    | -                | 1.5  | 6.96          | 67%                |
| 4    | 14               | 2    | 4.35          | 46%                |
| 4    | -                | 1.5  | 4.85          | 58%                |
| 4    | 18               | 1.2  | 5.15          | 65%                |
| 4    | 20               | 0.9  | 5.45          | 73%                |
| 5    | 14               | 2    | 3.08          | 36%                |
| 5    | -                | 1.5  | 3.58          | 49%                |
| 5    | 18               | 1.2  | 3.88          | 58%                |
| 6    | -                | 1.5  | 2.73          | 41%                |
| 6    | 18               | 1.2  | 3.03          | 51%                |
| 6    | 20               | 0.9  | 3.33          | 62%                |
| 8    | -                | 1.5  | 1.67          | 27%                |
| 8    | 18               | 1.2  | 1.97          | 38%                |
| 8    | 19               | 1    | 2.17          | 46%                |
| 8    | 20               | 0.9  | 2.27          | 51%                |
| 8    | 21               | 0.8  | 2.37          | 55%                |
| 8    | 22               | 0.7  | 2.47          | 60%                |
| 8    | 23               | 0.6  | 2.57          | 65%                |
| 8    | 24               | 0.55 | 2.62          | 68%                |
| 8    | 25               | 0.5  | 2.67          | 70%                |
| 10   | 20               | 0.9  | 1.64          | 41%                |
| 10   | 21               | 0.8  | 1.74          | 46%                |
| 10   | 22               | 0.7  | 1.84          | 52%                |
| 10   | 23               | 0.6  | 1.94          | 58%                |
| 10   | 24               | 0.55 | 1.99          | 61%                |
| 10   | 25               | 0.5  | 2.04          | 64%                |
| 12   | 22               | 0.7  | 1.41          | 44%                |

| Mesh | Diameter of Wire |      | Opening in MM | Approx Open Area % |
|------|------------------|------|---------------|--------------------|
|      | SWG              | MM   |               |                    |
|      |                  |      |               |                    |
| 12   | 23               | 0.6  | 1.51          | 51%                |
| 12   | 24               | 0.55 | 1.56          | 54%                |
| 12   | 25               | 0.5  | 1.61          | 58%                |
| 12   | 26               | 0.45 | 1.66          | 62%                |
| 14   | 24               | 0.55 | 1.26          | 48%                |
| 14   | 25               | 0.5  | 1.31          | 52%                |
| 14   | 26               | 0.45 | 1.36          | 56%                |
| 14   | 27               | 0.4  | 1.41          | 60%                |
| 16   | 23               | 0.6  | 0.98          | 38%                |
| 16   | 24               | 0.55 | 1.03          | 42%                |
| 16   | 25               | 0.5  | 1.08          | 46%                |
| 16   | 26               | 0.45 | 1.13          | 51%                |
| 16   | 27               | 0.4  | 1.18          | 55%                |
| 16   | 28               | 0.37 | 1.21          | 58%                |
| 16   | 30               | 0.3  | 1.28          | 65%                |
| 16   | 32               | 0.27 | 1.31          | 68%                |
| 16   | 33               | 0.25 | 1.33          | 70%                |
| 16   | 34               | 0.22 | 1.36          | 74%                |
| 18   | 24               | 0.55 | 0.86          | 37%                |
| 18   | 25               | 0.5  | 0.91          | 41%                |
| 18   | 26               | 0.45 | 0.96          | 46%                |
| 18   | 27               | 0.4  | 1.01          | 51%                |
| 18   | 28               | 0.37 | 1.04          | 54%                |
| 18   | 30               | 0.3  | 1.11          | 62%                |
| 18   | 32               | 0.27 | 1.14          | 65%                |
| 18   | 33               | 0.25 | 1.16          | 67%                |
| 20   | 24               | 0.55 | 0.72          | 32%                |
| 20   | 25               | 0.5  | 0.77          | 36%                |
| 20   | 26               | 0.45 | 0.82          | 41%                |
| 20   | 27               | 0.4  | 0.87          | 46%                |
| 20   | 28               | 0.37 | 0.90          | 50%                |
| 20   | 30               | 0.3  | 0.97          | 58%                |
| 20   | 32               | 0.27 | 1.00          | 62%                |
| 20   | 33               | 0.25 | 1.02          | 64%                |
| 20   | 36               | 0.19 | 1.08          | 72%                |

| Mesh | Diameter of Wire |       | Opening in MM | Approx Open Area % |
|------|------------------|-------|---------------|--------------------|
|      | SWG              | MM    |               |                    |
|      |                  |       |               |                    |
| 24   | 27               | 0.4   | 0.65          | 38%                |
| 24   | 28               | 0.37  | 0.68          | 42%                |
| 24   | 30               | 0.3   | 0.75          | 51%                |
| 24   | 32               | 0.27  | 0.78          | 55%                |
| 30   | 28               | 0.37  | 0.47          | 31%                |
| 30   | 30               | 0.3   | 0.54          | 41%                |
| 30   | 32               | 0.27  | 0.57          | 46%                |
| 30   | 33               | 0.25  | 0.59          | 49%                |
| 30   | 34               | 0.22  | 0.62          | 54%                |
| 30   | 36               | 0.19  | 0.65          | 60%                |
| 36   | 33               | 0.25  | 0.45          | 41%                |
| 36   | 34               | 0.22  | 0.48          | 47%                |
| 36   | 36               | 0.19  | 0.51          | 53%                |
| 40   | 32               | 0.27  | 0.36          | 33%                |
| 40   | 33               | 0.25  | 0.38          | 36%                |
| 40   | 34               | 0.22  | 0.41          | 42%                |
| 40   | 36               | 0.19  | 0.44          | 49%                |
| 50   | 34               | 0.22  | 0.28          | 32%                |
| 50   | 36               | 0.19  | 0.31          | 39%                |
| 50   | 38               | 0.15  | 0.35          | 49%                |
| 60   | 36               | 0.19  | 0.23          | 30%                |
| 60   | 38               | 0.15  | 0.27          | 41%                |
| 80   | 40               | 0.12  | 0.19          | 38%                |
| 80   | 42               | 0.1   | 0.21          | 46%                |
| 100  | 42               | 0.1   | 0.15          | 36%                |
| 100  | 44               | 0.08  | 0.17          | 46%                |
| 120  | 44               | 0.08  | 0.13          | 38%                |
| 150  | 45               | 0.07  | 0.09          | 34%                |
| 150  | 46               | 0.06  | 0.10          | 41%                |
| 200  | 47               | 0.05  | 0.077         | 36%                |
| 250  | 48               | 0.04  | 0.061         | 36%                |
| 300  | 48               | 0.04  | 0.044         | 27%                |
| 325  | -                | 0.035 | 0.043         | 30%                |
| 400  | 49               | 0.03  | 0.033         | 27%                |
| 500  | 50               | 0.025 | 0.025         | 25%                |

# PRODUCTS

## Dutch and Twill Wire Mesh Technical

Stated below are the technical specification of dutch and twill weave wire mesh. These mesh can be manufactured in different widths in SS 304 and SS 316

| Mesh Count | Wire Dia. WARP (mm) | Wire Dia. WEFT (mm) | Weave Type | Nominal Micron Rating | Thickness mm | Porosity Calculated | LBS/SF | Geometric Opening Micron ASTM E2814 |
|------------|---------------------|---------------------|------------|-----------------------|--------------|---------------------|--------|-------------------------------------|
| 12 x 64    | 0.60                | 0.41                | PDW        | 250                   | 1.44         | 66%                 | 0.8    | 284                                 |
| 24 x 110   | 0.38                | 0.25                | PDW        | 110                   | 0.88         | 65%                 | 0.52   | 137                                 |
| 30 x 150   | 0.22                | 0.17                | PDW        | 90                    | 0.55         | 66%                 | 0.31   | 113                                 |
| 40 x 200   | 0.17                | 0.13                | PDW        | 70                    | 0.43         | 63%                 | 0.27   | 85                                  |
| 50 x 250   | 0.13                | 0.11                | PDW        | 55                    | 0.35         | 65%                 | 0.21   | 63                                  |
| 80 x 400   | 0.12                | 0.07                | PDW        | 40                    | 0.25         | 59%                 | 0.17   | 50                                  |
| 100 x 600  | 0.14                | 0.04                | PDW        | 25                    | 0.33         | 45%                 | 0.24   | 40                                  |
| 325 x 2300 | 0.03                | 0.02                | TDW        | 2                     | 0.10         | 36%                 | 0.09   | 9                                   |
| 200 x 1400 | 0.07                | 0.04                | TDW        | 5                     | 0.15         | 36%                 | 0.16   | 15                                  |
| 165 x 1400 | 0.07                | 0.04                | TDW        | 10                    | 0.15         | 37%                 | 0.16   | 26                                  |
| 165 x 800  | 0.07                | 0.05                | B-TDW      | 25                    | 0.17         | 54%                 | 0.14   | 30*                                 |
| 200 x 600  | 0.05                | 0.04                | B-TDW      | 30                    | 0.15         | 62%                 | 0.1    | 35*                                 |
| 80 x 700   | 0.10                | 0.07                | TDW        | 35                    | 0.27         | 44%                 | 0.25   | 42                                  |

\*PDW - Plain Dutch Weave TDW - Twill Dutch Weave B-TDW - Broad Twill Dutch Weave

### Sieves/Mesh Equivalent under different Standards

| Opening in Micron | A.S.T.M. -1961 |                     | Tyler -1910 |                     | B.S.S. -1962 |                     |
|-------------------|----------------|---------------------|-------------|---------------------|--------------|---------------------|
|                   | Mesh No.       | Aperture in Microns | Mesh No.    | Aperture in Microns | Mesh No.     | Aperture in Microns |
| 2400              | 8              | 2380                | 8           | 2362                | 7            | 2400                |
| 2000              | 10             | 2000                | 9           | 1981                | 8            | 2000                |
| 1600              | 12             | 1680                | 10          | 1651                | -            | 1590                |
| 1400              | 14             | 1400                | 12          | 1397                | 12           | 1400                |
| 1200              | 16             | 1190                | 14          | 1168                | 14           | 1200                |
| 1000              | 18             | 1000                | 16          | 991                 | 16           | 1000                |
| 850               | 20             | 841                 | 20          | 833                 | 18           | 850                 |
| 800               | -              | -                   | -           | -                   | 24           | 790                 |
| 750               | -              | -                   | -           | -                   | -            | -                   |
| 700               | 25             | 707                 | 24          | 701                 | 22           | 710                 |
| 600               | 30             | 595                 | 28          | 589                 | 25           | 600                 |
| 500               | 35             | 500                 | 32          | 495                 | 300          | 500                 |
| 400               | 40             | 420                 | 35          | 417                 | 36           | 420                 |
| 350               | 45             | 354                 | 42          | 351                 | 44           | 355                 |
| 300               | 50             | 297                 | 48          | 295                 | 52           | 300                 |
| 250               | 60             | 250                 | 60          | 246                 | 60           | 250                 |
| 200               | 70             | 210                 | 65          | 208                 | 72           | 210                 |
| 175               | 80             | 177                 | 80          | 175                 | 85           | 180                 |
| 150               | 100            | 149                 | 100         | 147                 | 100          | 150                 |
| 125               | 120            | 125                 | 115         | 124                 | 120          | 125                 |
| 100               | 140            | 105                 | 150         | 104                 | 150          | 105                 |
| 90                | 170            | 88                  | 170         | 88                  | 170          | 90                  |
| 75                | 200            | 74                  | 200         | 74                  | 200          | 75                  |
| 65                | 230            | 63                  | 250         | 61                  | 240          | 63                  |
| 50                | 270            | 53                  | 270         | 53                  | 300          | 53                  |
| 45                | 325            | 44                  | 325         | 43                  | 360          | 45                  |
| 35                | 400            | 37                  | 400         | 38                  | -            | -                   |

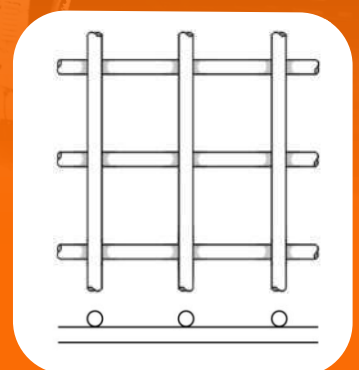
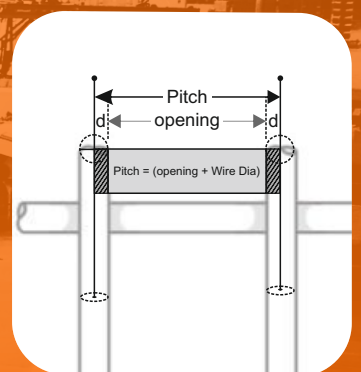
| STAINLESS STEEL CHEMICAL COMPOSITION & STRENGTH |         |        |        |        |       |        |        |
|-------------------------------------------------|---------|--------|--------|--------|-------|--------|--------|
| S.S                                             | 202     | 302    | 304    | 304L   | 310   | 316    | 316L   |
| Carbon                                          | 0.12    | 0.15   | 0.08   | 0.03   | 0.25  | 0.08   | 0.03   |
| Manganese                                       | 5.5/7.5 | 2      | 2      | 2      | 2     | 2      | 2      |
| Silicone                                        | 0.9     | 1      | 1      | 1      | 1.5   | 1      | 1      |
| Chromium                                        | 16/18   | 17/19  | 18/20  | 18/02  | 24/26 | 23/26  | 16/18  |
| Nickel                                          | 0.5/4.0 | 8.0/10 | 8.0/12 | 8.0/12 | 19/22 | 10/14. | 10/14. |
| Molybdenum                                      | 0.2     | -      | -      | -      | -     | 2/3.   | 2/3.   |
| Phosphorus                                      | 0.06    | 0.045  | 0.045  | 0.045  | 0.045 | 0.045  | 0.045  |
| Nitrogen                                        | 0.25    | -      | -      | -      | -     | -      | -      |
| Sulphur                                         | -       | 0.03   | 0.03   | 0.03   | 0.03  | 0.03   | 0.03   |
| Tensile Strength                                | 105     | 90     | 85     | 60     | 95    | 85     | 78     |
| 2% Yield                                        | 55      | 37     | 35     | 30     | 40    | 35     | 30     |
| Elongation in 2'                                | 55      | 55     | 55     | 55     | 45    | 55     | 55     |
| Rockwell                                        | 90      | 82     | 80     | 76     | 87    | 80     | 76     |
| Brinell                                         | 185     | 155    | 150    | 140    | 170   | 150    | 145    |

# Welded mesh



## Our offering

| Specification        | Description                                             |
|----------------------|---------------------------------------------------------|
| Material             | Stainless steel, Galvanized Steel, Mild Steel, etc.     |
| Wire Diameter        | Typically ranges from 1mm to 6mm or more                |
| Mesh Size            | Can vary from 15 mm to 6 inches                         |
| Width                | Typically ranges from 1 meter to 2 meters               |
| Length               | Can be customized according to customer requirements    |
| Tensile Strength     | Depends on the material and wire diameter used          |
| Corrosion Resistance | High for Stainless Steel and Galvanized Steel options   |
| Applications         | Reinforcing Concrete, Fencing, guards, Enclosures, etc. |



# PRODUCTS

## Standard Sizes

| S.No | Pitch | Opening | Wire Dia | Width in MM | Width in Feet | Weight per sqm | Weight for 50 feet roll | No of Warp /Line Wires |
|------|-------|---------|----------|-------------|---------------|----------------|-------------------------|------------------------|
|      |       |         |          |             |               |                |                         |                        |
| 1    | 27.5  | 25.5    | 2        | 915         | 3             | 1.85           | 26.0                    | 35                     |
| 2    | 27.5  | 25.5    | 2        | 1220        | 4             | 1.85           | 34.5                    | 46                     |
| 3    | 27.5  | 25.5    | 2        | 1524        | 5             | 1.85           | 43.0                    | 57                     |
|      |       |         |          |             |               |                |                         |                        |
| 4    | 27.5  | 25.1    | 2.4      | 915         | 3             | 2.66           | 37.0                    | 35                     |
| 5    | 27.5  | 25.1    | 2.4      | 1220        | 4             | 2.66           | 49.5                    | 46                     |
| 6    | 27.5  | 25.1    | 2.4      | 1524        | 5             | 2.66           | 62.0                    | 57                     |
|      |       |         |          |             |               |                |                         |                        |
| 7    | 27.5  | 24.6    | 2.9      | 915         | 3             | 3.88           | 54.0                    | 35                     |
| 8    | 27.5  | 24.6    | 2.9      | 1220        | 4             | 3.88           | 72.0                    | 46                     |
| 9    | 27.5  | 24.6    | 2.9      | 1524        | 5             | 3.88           | 90.0                    | 57                     |
|      |       |         |          |             |               |                |                         |                        |
| 10   | 35    | 32.5    | 2.5      | 915         | 3             | 2.27           | 31.5                    | 28                     |
| 11   | 35    | 32.5    | 2.5      | 1220        | 4             | 2.27           | 42.0                    | 36                     |
| 12   | 35    | 32.5    | 2.5      | 1524        | 5             | 2.27           | 52.5                    | 45                     |
| 14   | 35    | 32.5    | 2.5      | 1830        | 6             | 2.27           | 63.0                    | 54                     |
|      |       |         |          |             |               |                |                         |                        |
| 15   | 35    | 32.1    | 2.9      | 915         | 3             | 3.05           | 42.5                    | 28                     |
| 16   | 35    | 32.1    | 2.9      | 1220        | 4             | 3.05           | 56.5                    | 36                     |
| 17   | 35    | 32.1    | 2.9      | 1524        | 5             | 3.05           | 71.0                    | 45                     |
| 18   | 35    | 32.1    | 2.9      | 1830        | 6             | 3.05           | 85.0                    | 54                     |
|      |       |         |          |             |               |                |                         |                        |
| 19   | 35    | 31.5    | 3.5      | 915         | 3             | 4.45           | 62.0                    | 28                     |
| 20   | 35    | 31.5    | 3.5      | 1220        | 4             | 4.45           | 82.5                    | 36                     |
| 21   | 35    | 31.5    | 3.5      | 1524        | 5             | 4.45           | 103.0                   | 45                     |
| 22   | 35    | 31.5    | 3.5      | 1830        | 6             | 4.45           | 124.0                   | 54                     |
|      |       |         |          |             |               |                |                         |                        |
| 23   | 40    | 36      | 4        | 915         | 3             | 5.08           | 71.0                    | 24                     |
| 24   | 40    | 36      | 4        | 1220        | 4             | 5.08           | 94.5                    | 32                     |
|      |       |         |          |             |               |                |                         |                        |
| 25   | 40    | 37.1    | 2.9      | 915         | 3             | 2.67           | 37.0                    | 24                     |
| 26   | 40    | 37.1    | 2.9      | 1220        | 4             | 2.67           | 49.5                    | 32                     |
| 27   | 40    | 37.1    | 2.9      | 1524        | 5             | 2.67           | 62.0                    | 40                     |
|      |       |         |          |             |               |                |                         |                        |
| 28   | 50    | 47.6    | 2.4      | 915         | 3             | 1.46           | 20.5                    | 20                     |
| 29   | 50    | 47.6    | 2.4      | 1220        | 4             | 1.46           | 27.0                    | 26                     |
| 30   | 50    | 47.6    | 2.4      | 1524        | 5             | 1.46           | 34.0                    | 32                     |
|      |       |         |          |             |               |                |                         |                        |

\* Customized sizes can also be available on demand

woven to perfection