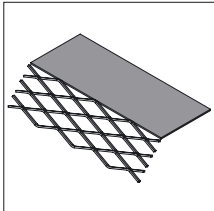
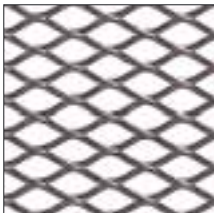
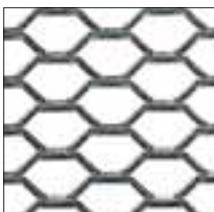
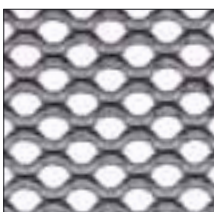


A collection of various metal mesh components, including filters, tubes, and fittings, displayed against a background of technical drawings and blueprints. The components are arranged in a grid-like fashion, with some showing internal mesh structures. The background features technical drawings with dimensions like  $\phi 100$ ,  $\phi 150$ , and  $\phi 200$ , and labels like "H1" and "A". The overall color scheme is blue and white.

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ISO 9001:2000  
Cert. n° 0237



**Italfim**

S.p.A.

Reti e microreti in lamiera stirata





Specialisation and top quality are the goals that Italfim sets itself for its products. **Italfim**: a trail-blazing producer of expanded mesh and micromesh for heavy-duty industrial use in all sectors.

Its consolidated international experience and constant efforts in research and product improvement make **Italfim** a reliable partner and a benchmark for its demanding clientele.



#### **Products made exclusively in Italy.**

All stages in production take place in Italy and all our personnel are fully protected by the European Union work safety laws.

#### **“Conforming” products.**

All our products are carefully made to meet current specific laws on accident prevention and safety.



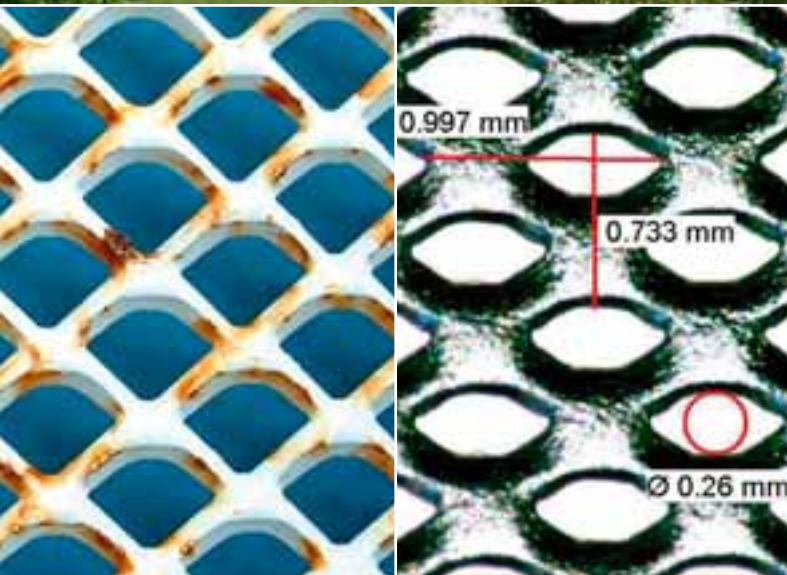
10 years of ISO 9000 quality certification mean that Italfim has a well-established continual improvement system, covering both its processes and product control, not to mention excellent standards of Customer Satisfaction.



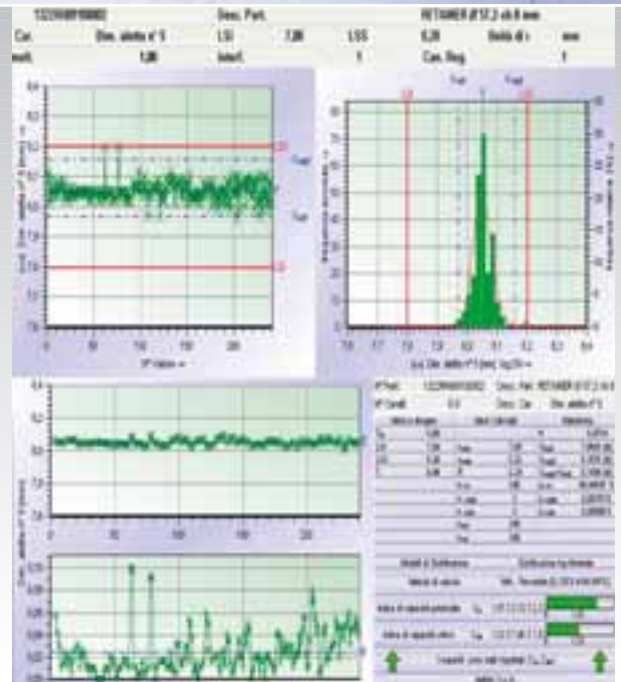
*Pictured above: Laboratory equipment used for testing.*



Constant qualification of its raw materials suppliers, superior output capacity, continual innovation in process control methods and lab tests on the reliability of its special finishing



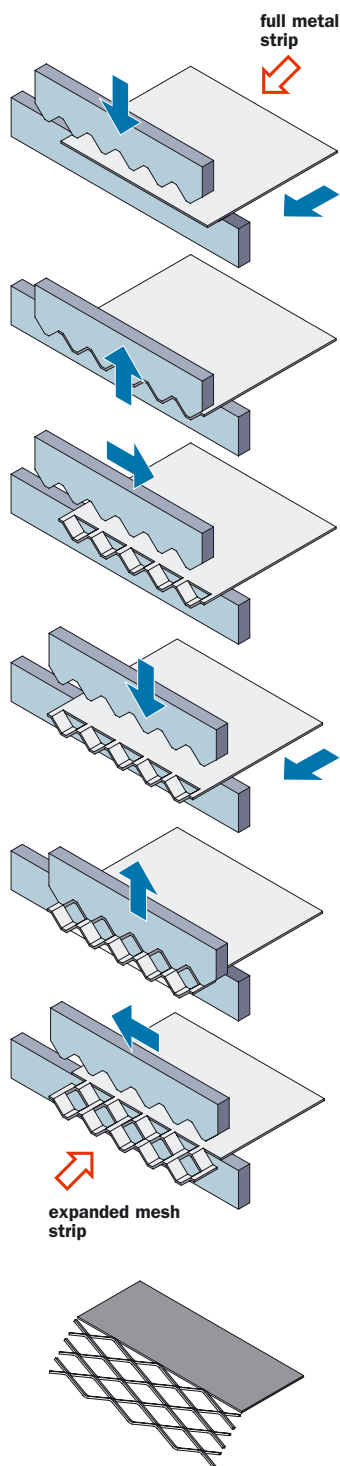
Macrographies of expanded mesh subjected to rust resistance tests in a saline mist and to mesh dimension checks with statistics.



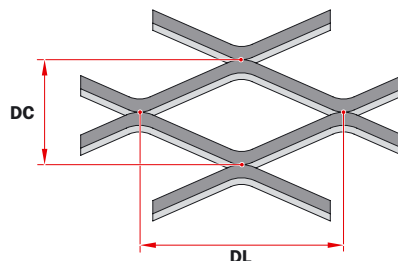
process suppliers: all this has allowed Italfim to gain and hold its leadership on the international expanded mesh market.

# Expanded mesh diagrams and characteristics

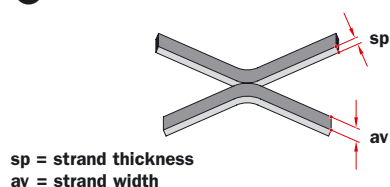
## ① Expanding the metal



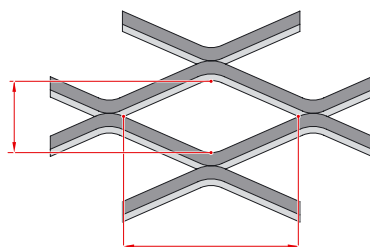
## ② Mesh dimensions



## ③ Mesh section

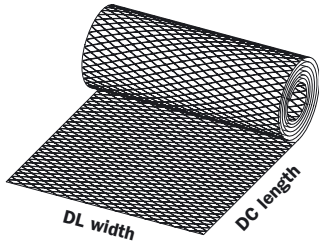


## ④ Dimensions ouverture de la maille

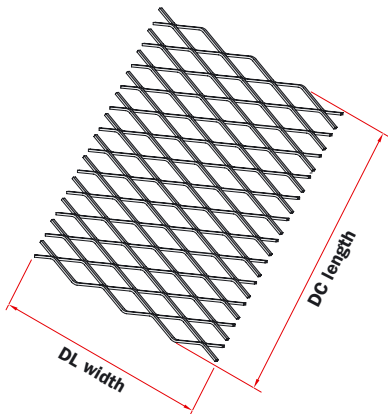


Our technicians  
are always ready to  
help answer your queries.

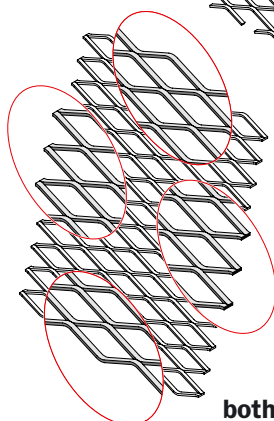
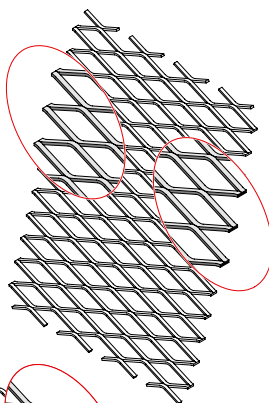
**5 Roll of expanded mesh**



**6 Sheet/blank dimensions**

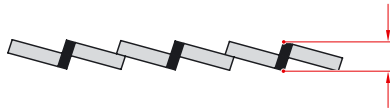


**7 Closed mesh along DL**

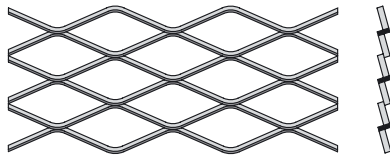


**8 Closed mesh along both DL and DC**

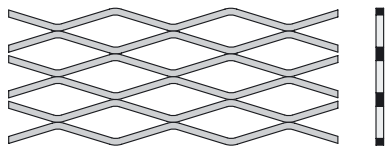
**9 Final expanded mesh thickness**



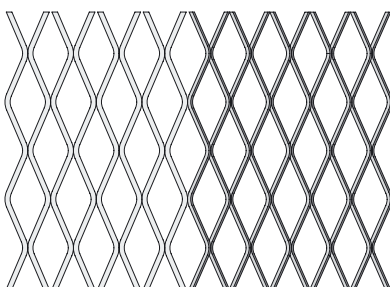
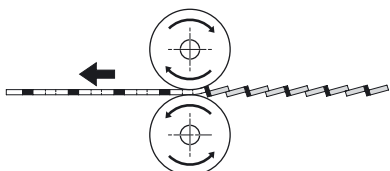
**10 Expanded mesh, not flattened**



**11 Expanded flattened mesh**



**12 Flattening diagram**



# **Diamond**

## **expanded meshes**



**R 0,60**



**R 1**



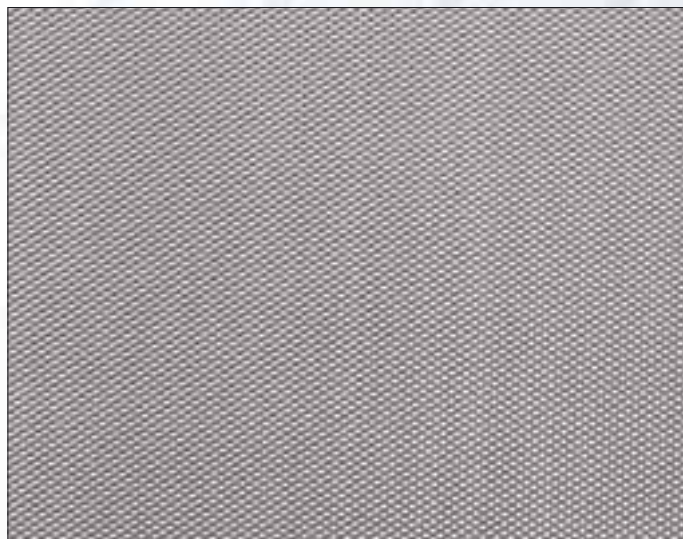
**R 0,75**



**R 1,5**



**R 0,85**



**R 2**

| DL mm         | DC mm | Strand width<br>av/mm | Strand thickness<br>sp/mm | Weight kg/m <sup>2</sup> | Maximum width<br>of sheet/coil mm |
|---------------|-------|-----------------------|---------------------------|--------------------------|-----------------------------------|
| <b>R 0,60</b> | 0,50  | 0,18                  | 0,12                      | 0,600                    | 300 - 500                         |
| <b>R 0,75</b> | 0,60  | 0,20                  | 0,12                      | 0,650                    | 300 - 500                         |
| <b>R 0,85</b> | 0,65  | 0,23                  | 0,15                      | 0,700                    | 300 - 500                         |
| <b>R 1</b>    | 0,75  | 0,27                  | 0,15                      | 0,750                    | 500                               |
|               | 0,75  | 0,23                  | 0,20                      | 1,000                    | 300                               |
| <b>R 1,5</b>  | 1,00  | 0,35                  | 0,15                      | 0,700                    | 500 - 1000                        |
|               | 1,00  | 0,30                  | 0,20                      | 1,000                    | 500                               |
|               | 1,00  | 0,30                  | 0,30                      | 1,500                    | 500                               |
| <b>R 2</b>    | 1,30  | 0,35                  | 0,15                      | 0,650                    | 500 - 1000                        |
|               | 1,30  | 0,35                  | 0,20                      | 0,850                    | 500 - 1000                        |
|               | 1,30  | 0,30                  | 0,30                      | 1,100                    | 500 - 1000                        |
| <b>R 2,5</b>  | 1,50  | 0,35                  | 0,20                      | 0,750                    | 500 - 1000                        |
|               | 1,50  | 0,30                  | 0,30                      | 1,000                    | 500 - 1000                        |
|               | 1,50  | 0,30                  | 0,40                      | 1,300                    | 500                               |
| <b>R 3</b>    | 1,80  | 0,40                  | 0,30                      | 1,100                    | 1000                              |
|               | 1,80  | 0,40                  | 0,40                      | 1,450                    | 1000                              |
|               | 1,80  | 0,40                  | 0,50                      | 1,800                    | 1000                              |

**R 2,5**

**R 3**

Mesh produced in all materials, in rolls or sheets, standard or personalised thickness and shapes.

The most popular strand thickness sizes are shown.

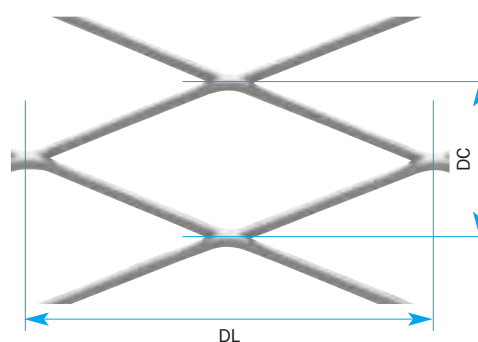
The weights given are approximate only, depending on the material chosen and the short way of the mesh.

The Kg per m<sup>2</sup> figure applies to mild steel or stainless steel material.

Meshes shown life-size, but please allow for photo tolerances.

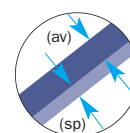
#### Mesh identification

|            |   |             |   |             |   |             |
|------------|---|-------------|---|-------------|---|-------------|
| <b>R 3</b> | x | <b>1,80</b> | - | <b>0,40</b> | x | <b>0,50</b> |
| <b>DL</b>  |   | <b>DC</b>   |   | <b>av</b>   |   | <b>sp</b>   |

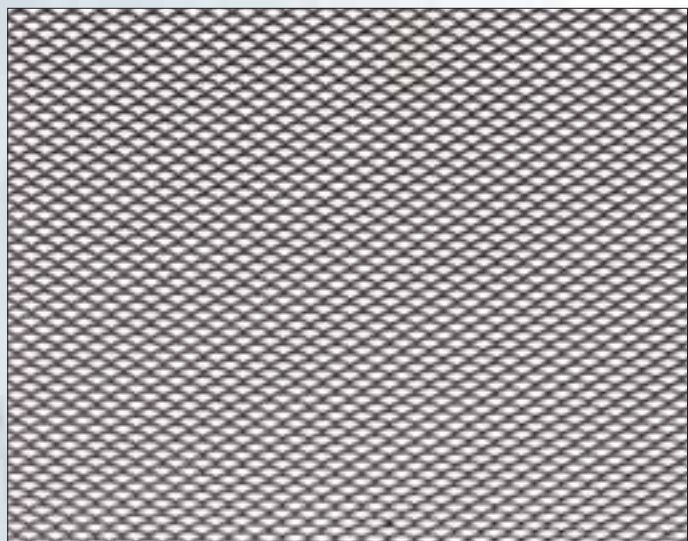


#### Key

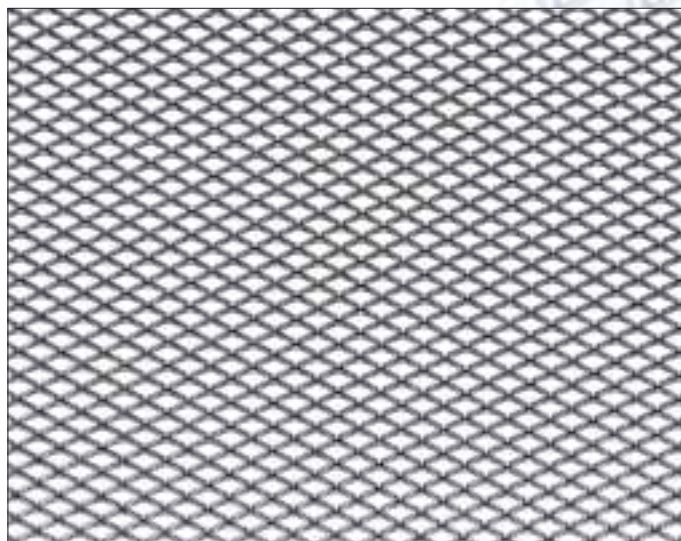
**R** = DL  
**DL** = long way  
**DC** = short way  
**av** = strand width  
**sp** = strand thickness



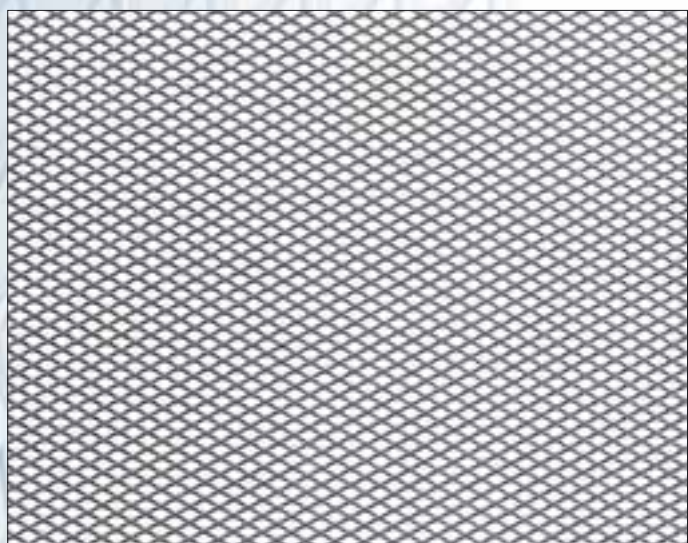
# Diamond expanded meshes



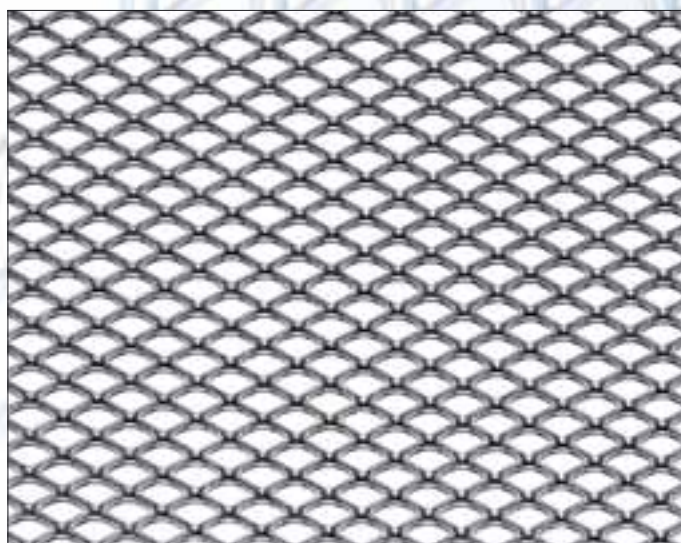
**R 3,5**



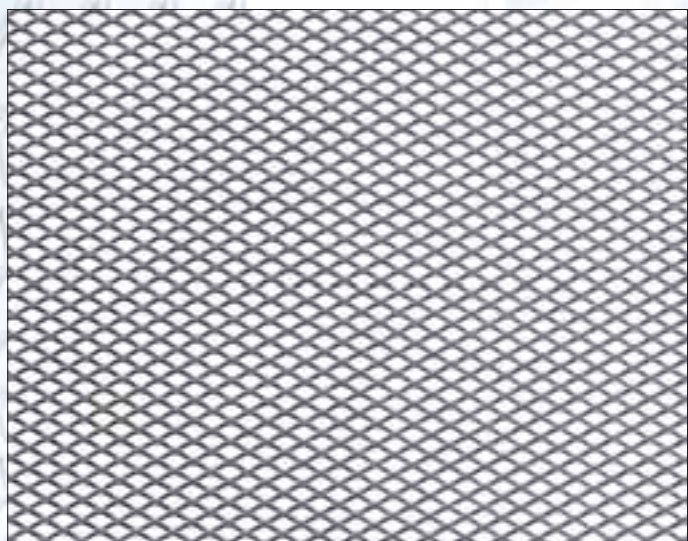
**R 6**



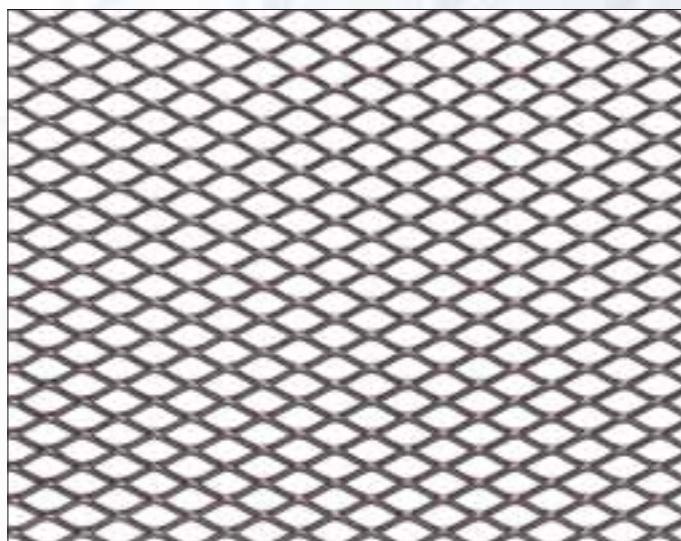
**R 4**



**R 8**



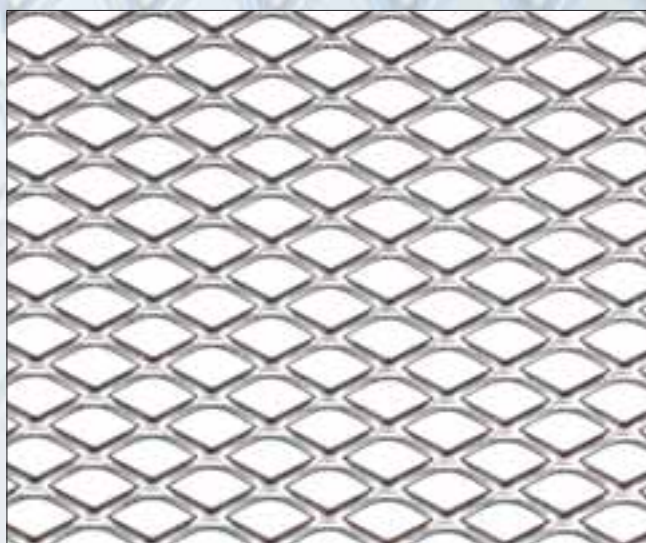
**R 5**



**R 10**



**R 12,5**



**R 16**

Mesh produced in all materials, in rolls or sheets, standard or personalised thickness and shapes.

The most popular strand thickness sizes are shown.

The weights given are approximate only, depending on the material chosen and the short way of the mesh.

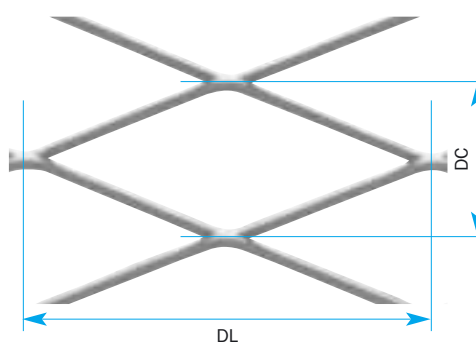
The Kg per m<sup>2</sup> figure applies to mild steel or stainless steel material.

Meshes shown life-size, but please allow for photo tolerances.

| DL mm         | DC mm | Strand width<br>av/mm | Strand thickness<br>sp/mm | Weight kg/m <sup>2</sup> | Maximum width<br>of sheet/coil mm |
|---------------|-------|-----------------------|---------------------------|--------------------------|-----------------------------------|
| <b>R 3,5</b>  | 1,90  | 0,40                  | 0,30                      | 1,050                    | 1000                              |
|               | 1,90  | 0,40                  | 0,40                      | 1,350                    | 1000                              |
|               | 1,90  | 0,40                  | 0,50                      | 1,700                    | 1000                              |
| <b>R 4</b>    | 2,00  | 0,50                  | 0,30                      | 1,200                    | 1000                              |
|               | 2,00  | 0,50                  | 0,40                      | 1,600                    | 1000 - 1250                       |
|               | 2,00  | 0,50                  | 0,50                      | 2,000                    | 1000 - 1250                       |
| <b>R 5</b>    | 2,80  | 0,60                  | 0,30                      | 1,050                    | 1000                              |
|               | 2,80  | 0,60                  | 0,40                      | 1,400                    | 1000 - 1250                       |
|               | 2,80  | 0,60                  | 0,50                      | 2,000                    | 1000 - 1250                       |
| <b>R 6</b>    | 3,50  | 0,70                  | 0,40                      | 1,300                    | 1000 - 1250                       |
|               | 3,50  | 0,70                  | 0,50                      | 1,600                    | 1000 - 1250                       |
|               | 3,50  | 0,75                  | 0,60                      | 2,100                    | 1000 - 1250                       |
| <b>R 8</b>    | 4,00  | 0,80                  | 0,50                      | 1,600                    | 1000 - 1250                       |
|               | 4,00  | 0,80                  | 0,80                      | 2,600                    | 1000 - 1250                       |
|               | 4,00  | 0,80                  | 1,00                      | 3,200                    | 1000 - 1250                       |
| <b>R 10</b>   | 5,80  | 1,00                  | 0,50                      | 1,400                    | 1000 - 1250                       |
|               | 5,80  | 1,00                  | 0,80                      | 2,250                    | 1000 - 1250 - 1500                |
|               | 5,80  | 1,00                  | 1,00                      | 2,800                    | 1000 - 1250 - 1500                |
| <b>R 12,5</b> | 6,00  | 1,00                  | 0,50                      | 1,350                    | 1000 - 1250                       |
|               | 6,00  | 1,00                  | 0,80                      | 2,150                    | 1000 - 1250 - 1500                |
|               | 6,00  | 1,00                  | 1,00                      | 2,700                    | 1000 - 1250 - 1500                |
| <b>R 16</b>   | 8,00  | 1,50                  | 0,50                      | 1,500                    | 1000 - 1250                       |
|               | 8,00  | 1,50                  | 0,80                      | 2,400                    | 1000 - 1250 - 1500                |
|               | 8,00  | 1,50                  | 1,00                      | 3,000                    | 1000 - 1250 - 1500                |

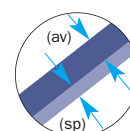
#### Mesh identification

|             |   |             |   |             |   |             |
|-------------|---|-------------|---|-------------|---|-------------|
| <b>R 16</b> | x | <b>8,00</b> | - | <b>1,50</b> | x | <b>1,00</b> |
| <b>DL</b>   |   | <b>DC</b>   |   | <b>av</b>   |   | <b>sp</b>   |

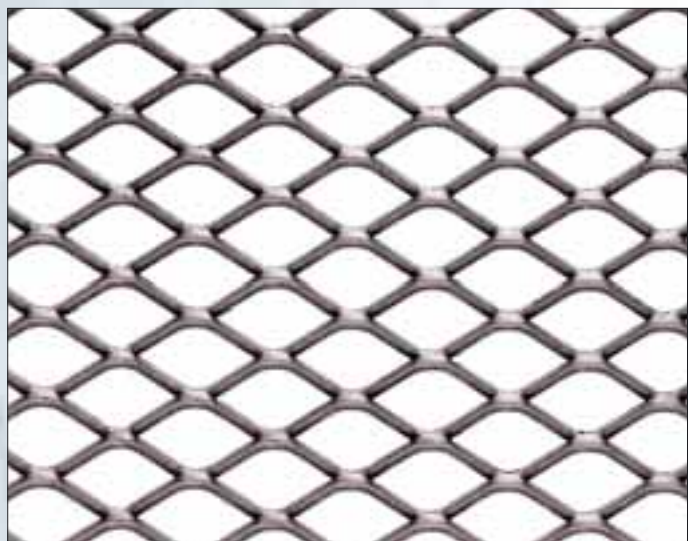


#### Key

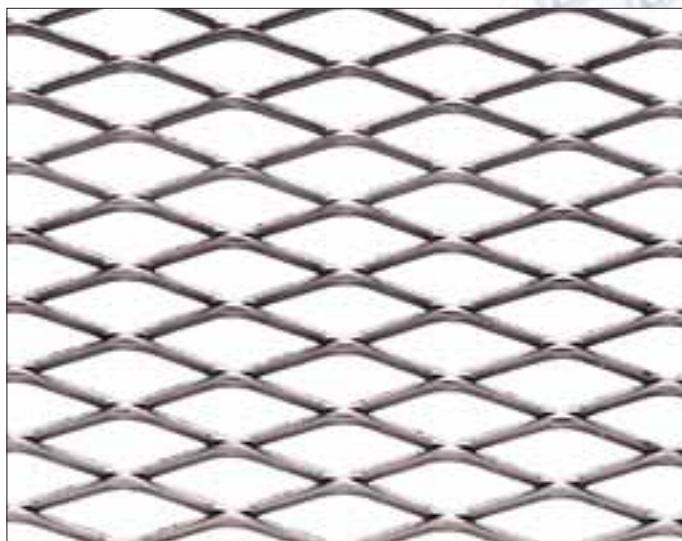
**R** = DL  
**DL** = long way  
**DC** = short way  
**av** = strand width  
**sp** = strand thickness



# Diamond expanded meshes



R 20



R 28



R 25



R 35



**R 43**

Mesh produced in all materials, in rolls or sheets, standard or personalised thickness and shapes.

The most popular strand thickness sizes are shown.

The weights given are approximate only, depending on the material chosen and the short way of the mesh.

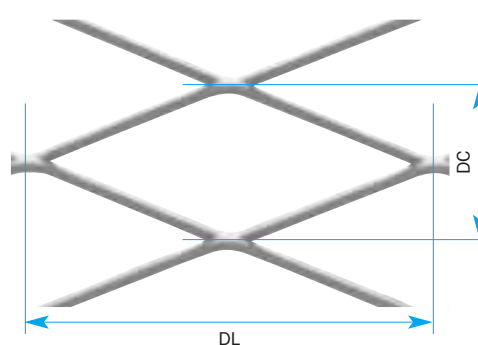
The Kg per m<sup>2</sup> figure applies to mild steel or stainless steel material.

Meshes shown life-size, but please allow for photo tolerances.

| DL mm       | DC mm | Strand width<br>av/mm | Strand thickness<br>sp/mm | Weight kg/m <sup>2</sup> | Maximum width<br>of sheet/coil mm |
|-------------|-------|-----------------------|---------------------------|--------------------------|-----------------------------------|
| <b>R 20</b> | 10,00 | 1,50                  | 0,80                      | 1,950                    | 1000 - 1250 - 1500                |
|             | 10,00 | 1,50                  | 1,00                      | 2,400                    | 1000 - 1250 - 1500                |
|             | 10,00 | 1,50                  | 1,50                      | 3,600                    | 1000 - 1250 - 1500                |
| <b>R 25</b> | 13,00 | 1,50                  | 0,80                      | 1,500                    | 1000 - 1250                       |
|             | 13,00 | 1,50                  | 1,00                      | 1,850                    | 1000 - 1250                       |
|             | 13,00 | 1,50                  | 1,50                      | 2,800                    | 1000 - 1250                       |
| <b>R 28</b> | 10,00 | 1,50                  | 0,80                      | 1,950                    | 1000 - 1250 - 1500                |
|             | 10,00 | 1,50                  | 1,00                      | 2,400                    | 1000 - 1250 - 1500                |
|             | 10,00 | 1,50                  | 1,50                      | 3,600                    | 1000 - 1250 - 1500                |
| <b>R 35</b> | 17,00 | 1,50                  | 0,80                      | 1,150                    | 1000 - 1250                       |
|             | 17,00 | 1,50                  | 1,00                      | 1,450                    | 1000 - 1250                       |
|             | 17,00 | 1,50                  | 1,50                      | 2,150                    | 1000 - 1250                       |
| <b>R 43</b> | 13,00 | 1,50                  | 1,00                      | 1,850                    | 1000 - 1250 - 1500                |
|             | 13,00 | 2,00                  | 1,50                      | 3,700                    | 1000 - 1250 - 1500                |
|             | 13,00 | 2,50                  | 1,50                      | 4,300                    | 1000 - 1250 - 1500                |

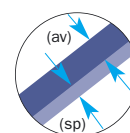
#### Mesh identification

|             |   |           |   |           |   |           |
|-------------|---|-----------|---|-----------|---|-----------|
| <b>R 35</b> | x | 17,00     | - | 1,50      | x | 1,50      |
| <b>DL</b>   |   | <b>DC</b> |   | <b>av</b> |   | <b>sp</b> |

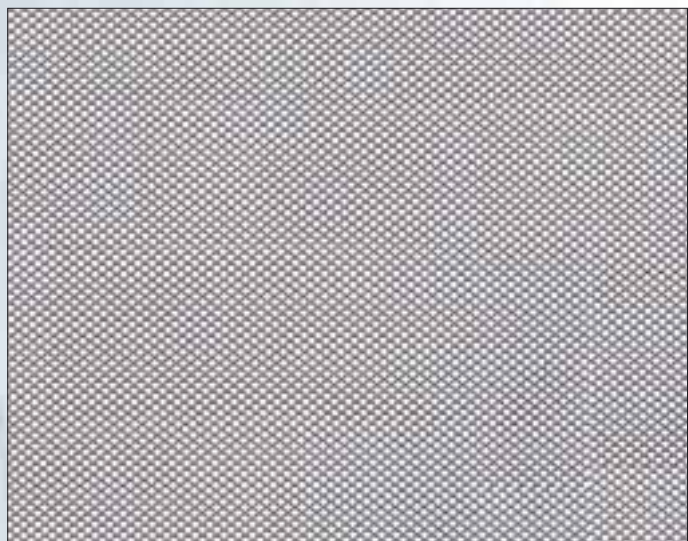


#### Key

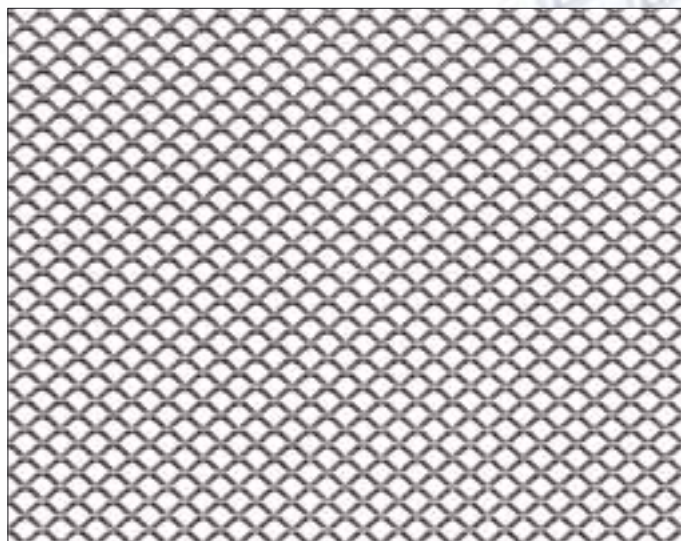
**R** = DL  
**DL** = long way  
**DC** = short way  
**av** = strand width  
**sp** = strand thickness



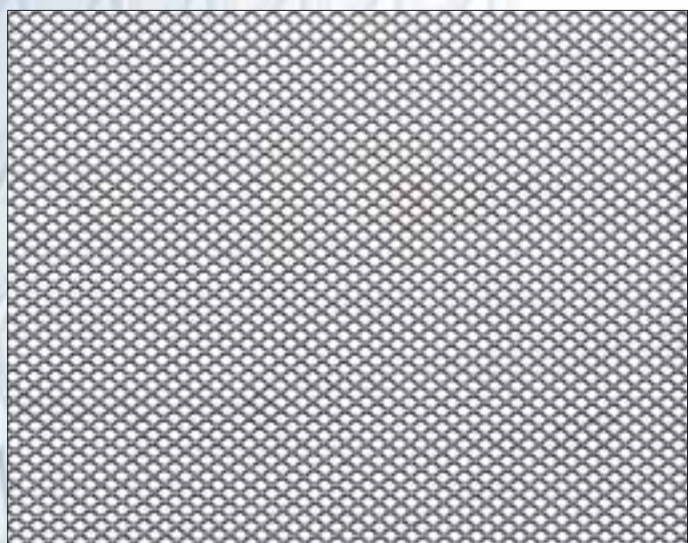
# Square expanded meshes



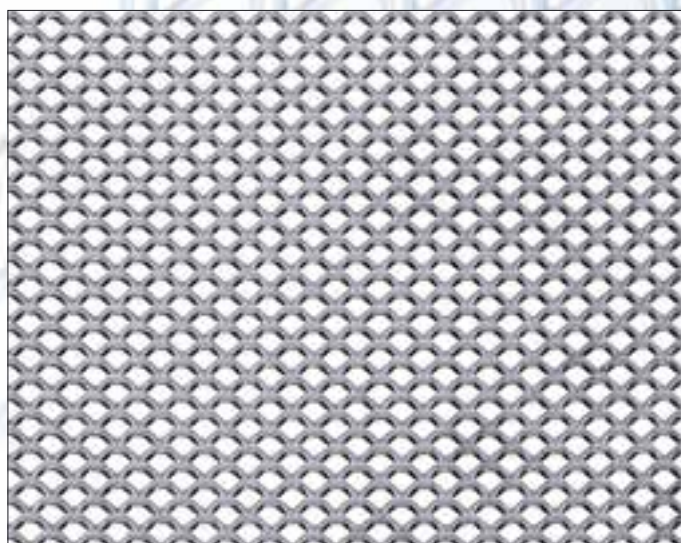
**Q 2**



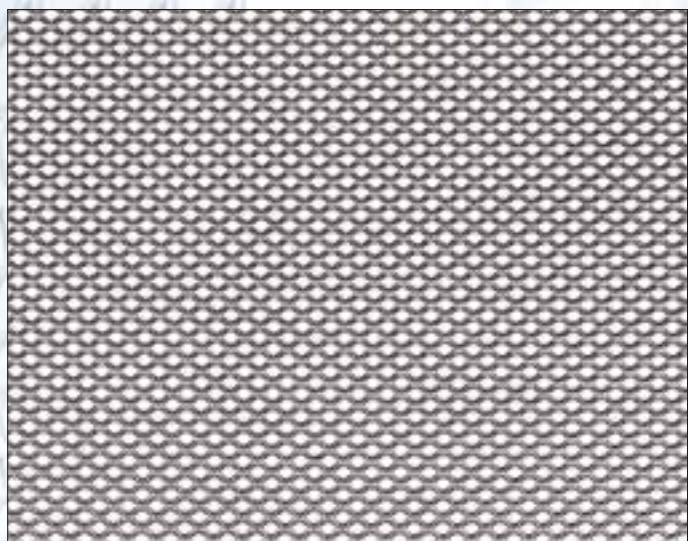
**Q 5**



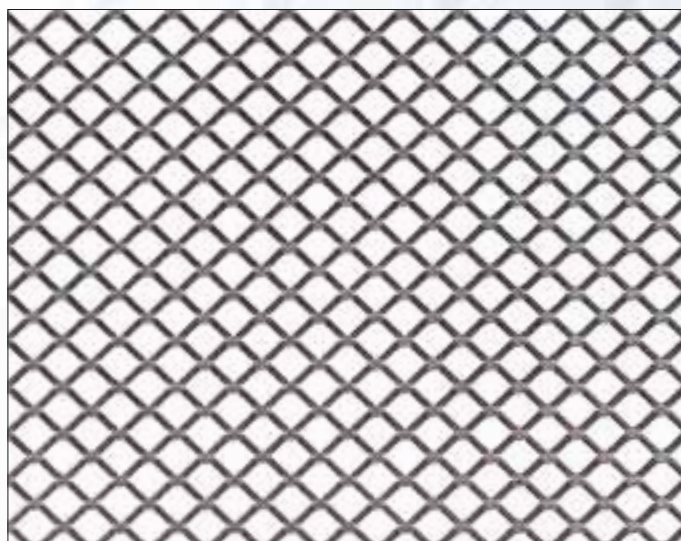
**Q 3**



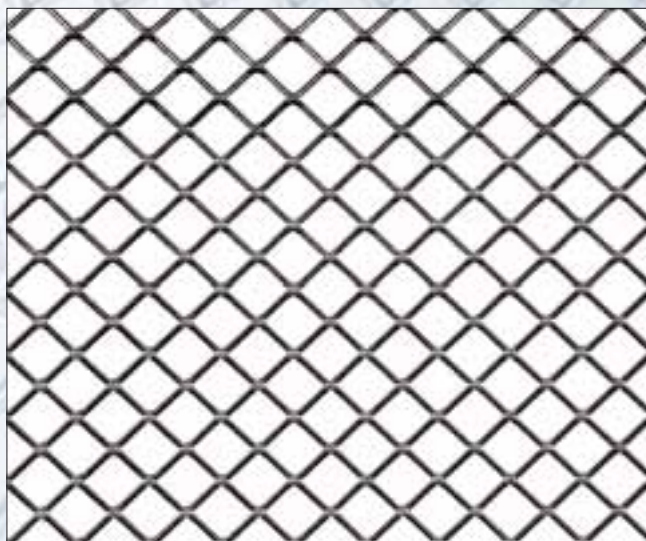
**Q 6**



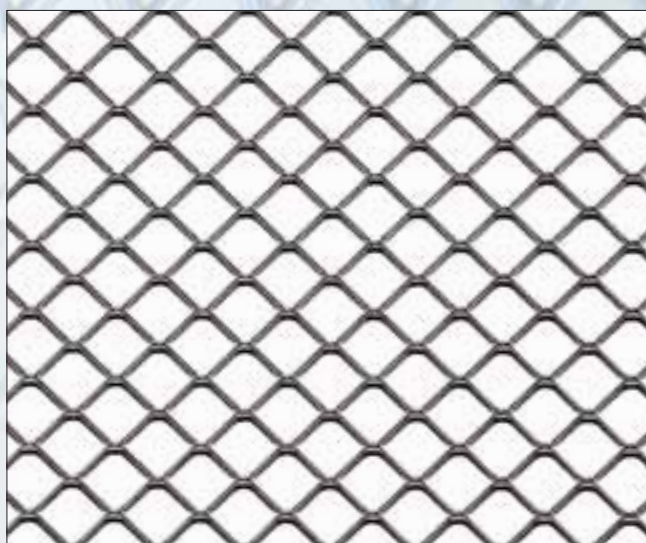
**Q 4**



**Q 8**



**Q 10**



**Q 12**

Mesh produced in all materials, in rolls or sheets, standard or personalised thickness and shapes.

The most popular strand thickness sizes are shown.

The weights given are approximate only, depending on the material chosen and the short way of the mesh.

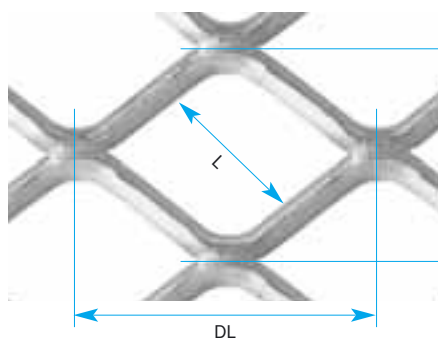
The Kg per m<sup>2</sup> figure applies to mild steel or stainless steel material.

Meshes shown life-size, but please allow for photo tolerances.

| DL mm       | DC mm | L mm (~)  | Strand width av/mm | Strand thickness sp/mm | Weight kg/m <sup>2</sup> | Maximum width of sheet/coil mm |
|-------------|-------|-----------|--------------------|------------------------|--------------------------|--------------------------------|
| <b>Q 2</b>  | 1,60  | 0,9 x 0,9 | 0,30               | 0,30                   | 0,900                    | 1000                           |
|             | 1,60  | 0,9 x 0,9 | 0,40               | 0,40                   | 1,600                    | 1000                           |
|             | 1,60  | 0,9 x 0,9 | 0,40               | 0,50                   | 2,000                    | 1000                           |
| <b>Q 3</b>  | 2,20  | 1,5 x 1,5 | 0,35               | 0,30                   | 0,650                    | 1000                           |
|             | 2,20  | 1,5 x 1,5 | 0,40               | 0,40                   | 1,150                    | 1000 - 1250                    |
|             | 2,20  | 1,5 x 1,5 | 0,50               | 0,50                   | 1,800                    | 1000 - 1250                    |
| <b>Q 4</b>  | 3,00  | 2,0 x 2,0 | 0,40               | 0,40                   | 0,850                    | 1000 - 1250                    |
|             | 3,00  | 2,0 x 2,0 | 0,50               | 0,50                   | 1,350                    | 1000 - 1250                    |
|             | 3,00  | 2,0 x 2,0 | 0,60               | 0,60                   | 1,900                    | 1000 - 1250                    |
| <b>Q 5</b>  | 4,00  | 2,5 x 2,5 | 0,50               | 0,50                   | 1,000                    | 1000 - 1250                    |
|             | 4,00  | 2,5 x 2,5 | 0,60               | 0,60                   | 1,450                    | 1000 - 1250                    |
|             | 4,00  | 2,5 x 2,5 | 0,80               | 0,80                   | 2,550                    | 1000 - 1250                    |
| <b>Q 6</b>  | 4,50  | 3,0 x 3,0 | 0,50               | 0,50                   | 0,900                    | 1000 - 1250                    |
|             | 4,50  | 3,0 x 3,0 | 0,60               | 0,60                   | 1,300                    | 1000 - 1250                    |
|             | 4,50  | 3,0 x 3,0 | 0,80               | 0,80                   | 2,250                    | 1000 - 1250                    |
| <b>Q 8</b>  | 6,00  | 4,0 x 4,0 | 0,60               | 0,60                   | 0,950                    | 1000 - 1250                    |
|             | 6,00  | 4,0 x 4,0 | 0,80               | 0,80                   | 1,700                    | 1000 - 1250                    |
|             | 6,00  | 4,0 x 4,0 | 1,00               | 1,00                   | 2,650                    | 1000 - 1250                    |
| <b>Q 10</b> | 8,00  | 5,0 x 5,0 | 0,60               | 0,60                   | 0,700                    | 1000 - 1250                    |
|             | 8,00  | 5,0 x 5,0 | 0,80               | 0,80                   | 1,300                    | 1000 - 1250                    |
|             | 8,00  | 5,0 x 5,0 | 1,00               | 1,00                   | 2,000                    | 1000 - 1250                    |
| <b>Q 12</b> | 9,50  | 6,0 x 6,0 | 0,80               | 0,80                   | 1,100                    | 1000 - 1250                    |
|             | 9,50  | 6,0 x 6,0 | 1,00               | 1,00                   | 1,700                    | 1000 - 1250                    |
|             | 9,50  | 6,0 x 6,0 | 1,50               | 1,50                   | 3,750                    | 1000 - 1250                    |

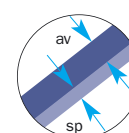
#### Mesh identification

|             |   |           |   |           |   |           |
|-------------|---|-----------|---|-----------|---|-----------|
| <b>Q 12</b> | x | 9,50      | - | 1,50      | x | 1,50      |
| <b>DL</b>   |   | <b>DC</b> |   | <b>av</b> |   | <b>sp</b> |



#### Key

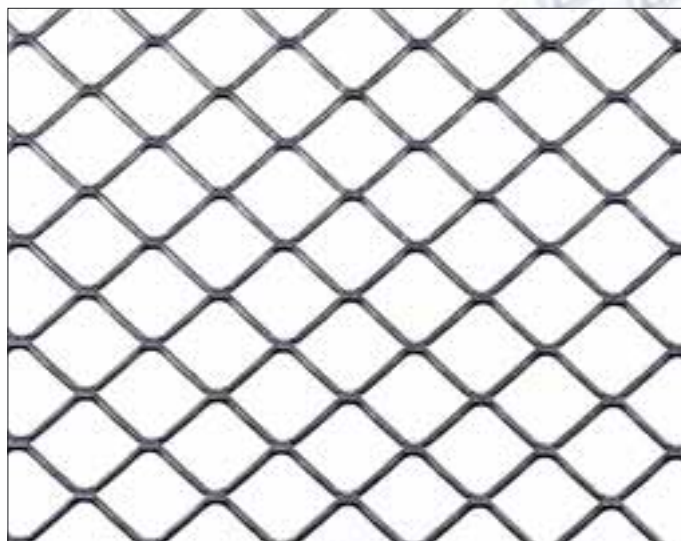
**Q** = Square = DL  
**DL** = long way  
**DC** = short way  
**av** = strand width  
**sp** = strand thickness  
**L** = side



# Square expanded meshes



**Q 14**



**Q 18**



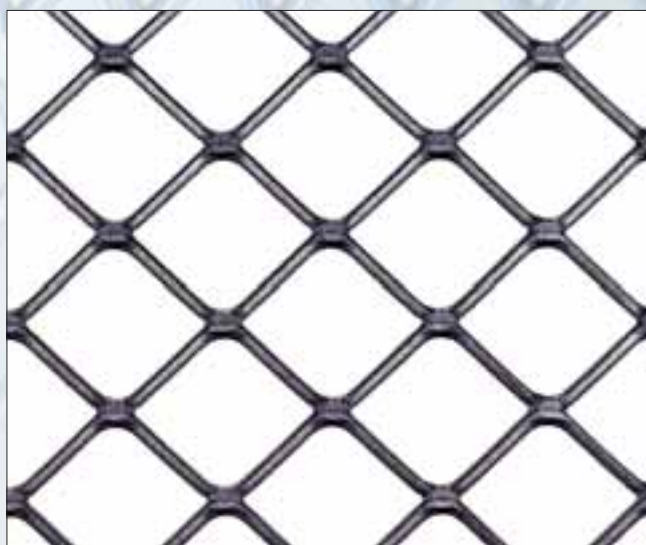
**Q 16**



**Q 20**



**Q 25**



**Q 30**

Mesh produced in all materials, in rolls or sheets, standard or personalised thickness and shapes.

The most popular strand thickness sizes are shown.

The weights given are approximate only, depending on the material chosen and the short way of the mesh.

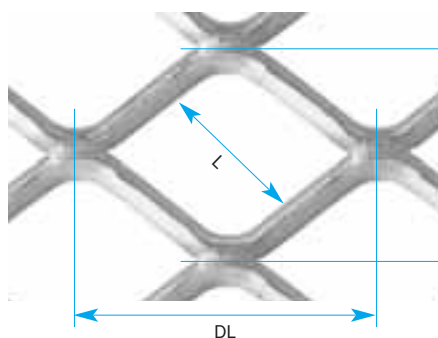
The Kg per m<sup>2</sup> figure applies to mild steel or stainless steel material.

Meshes shown life-size, but please allow for photo tolerances.

| DL mm       | DC mm | L mm (~)    | Strand width<br>av/mm | Strand thickness<br>sp/mm | Weight kg/m <sup>2</sup> | Maximum width<br>of sheet/coil mm |
|-------------|-------|-------------|-----------------------|---------------------------|--------------------------|-----------------------------------|
| <b>Q 14</b> | 11,00 | 7,0 x 7,0   | 0,80                  | 0,80                      | 0,950                    | 1000 - 1250 - 1500                |
|             | 11,00 | 7,0 x 7,0   | 1,00                  | 1,00                      | 1,450                    | 1000 - 1250 - 1500                |
|             | 11,00 | 7,0 x 7,0   | 1,50                  | 1,50                      | 3,250                    | 1000 - 1250 - 1500                |
| <b>Q 16</b> | 12,00 | 8,0 x 8,0   | 1,00                  | 1,00                      | 1,350                    | 1000 - 1250 - 1500                |
|             | 12,00 | 8,0 x 8,0   | 1,50                  | 1,00                      | 2,000                    | 1000 - 1250 - 1500                |
|             | 12,00 | 8,0 x 8,0   | 1,50                  | 1,50                      | 3,000                    | 1000 - 1250 - 1500                |
| <b>Q 18</b> | 13,00 | 9,0 x 9,0   | 1,00                  | 1,00                      | 1,250                    | 1000 - 1250 - 1500                |
|             | 13,00 | 9,0 x 9,0   | 1,50                  | 1,00                      | 1,850                    | 1000 - 1250 - 1500                |
|             | 13,00 | 9,0 x 9,0   | 1,50                  | 1,50                      | 2,750                    | 1000 - 1250 - 1500                |
| <b>Q 20</b> | 15,00 | 10,0 x 10,0 | 1,00                  | 1,00                      | 1,050                    | 1000 - 1250 - 1500                |
|             | 15,00 | 10,0 x 10,0 | 1,50                  | 1,00                      | 1,600                    | 1000 - 1250 - 1500                |
|             | 15,00 | 10,0 x 10,0 | 1,50                  | 1,50                      | 2,400                    | 1000 - 1250 - 1500                |
| <b>Q 25</b> | 19,00 | 13,0 x 13,0 | 1,00                  | 1,00                      | 0,850                    | 1000 - 1250 - 1500                |
|             | 19,00 | 13,0 x 13,0 | 1,50                  | 1,50                      | 1,900                    | 1000 - 1250 - 1500                |
|             | 19,00 | 13,0 x 13,0 | 2,00                  | 2,00                      | 3,350                    | 1000 - 1250 - 1500                |
| <b>Q 30</b> | 23,00 | 16,0 x 16,0 | 1,00                  | 1,00                      | 0,750                    | 1000 - 1250 - 1500                |
|             | 23,00 | 16,0 x 16,0 | 1,50                  | 1,50                      | 1,550                    | 1000 - 1250 - 1500                |
|             | 23,00 | 16,0 x 16,0 | 2,00                  | 2,00                      | 2,750                    | 1000 - 1250 - 1500                |

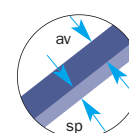
#### Mesh identification

|             |   |           |   |           |   |           |
|-------------|---|-----------|---|-----------|---|-----------|
| <b>Q 30</b> | x | 23,00     | - | 2,00      | x | 2,00      |
| <b>DL</b>   |   | <b>DC</b> |   | <b>av</b> |   | <b>sp</b> |



#### Key

**Q** = Square = DL  
**DL** = long way  
**DC** = short way  
**av** = strand width  
**sp** = strand thickness  
**L** = side



# Hexagonal expanded meshes



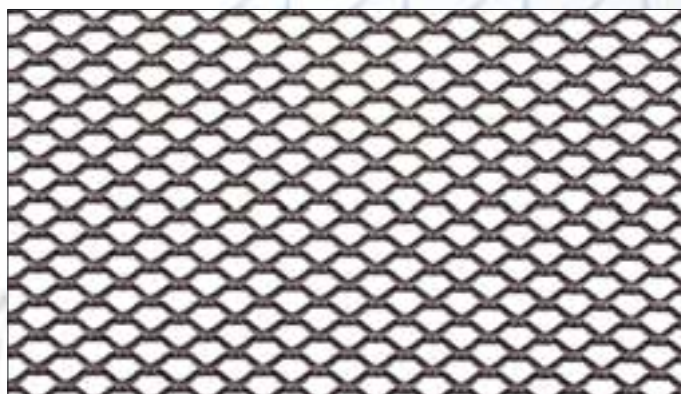
**E 3**



**E 6**



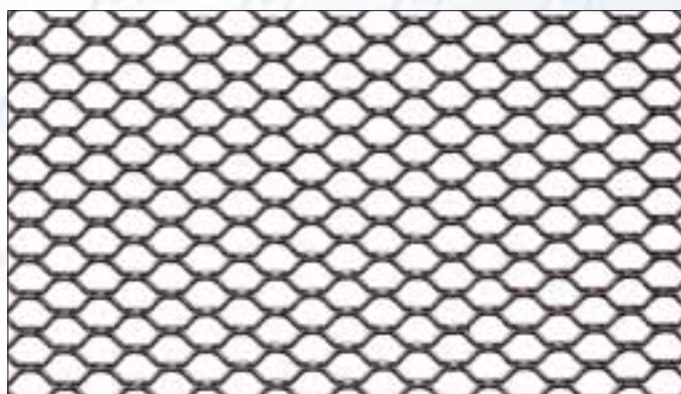
**E 3,5**



**E 8**



**E 4**



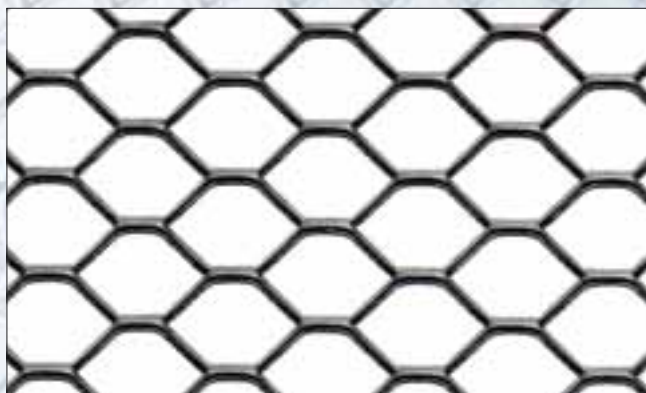
**E 10**



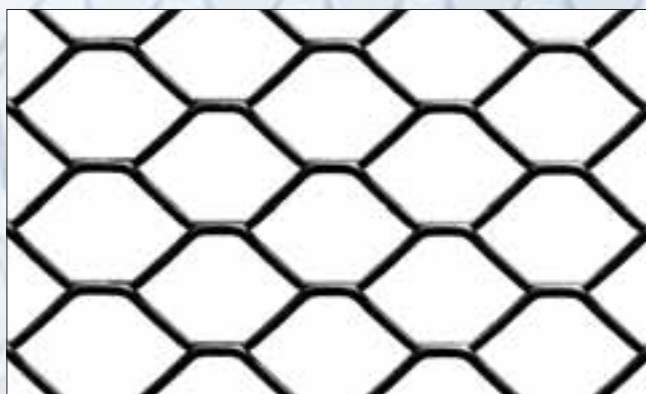
**E 5**



**E 15**



**E 25**



**E 30**

**Mesh identification**

|             |   |           |   |           |   |           |
|-------------|---|-----------|---|-----------|---|-----------|
| <b>E 30</b> | x | 16,00     | - | 2,00      | x | 2,00      |
| <b>DL</b>   |   | <b>DC</b> |   | <b>av</b> |   | <b>sp</b> |

Mesh produced in all materials, in rolls or sheets, standard or personalised thickness and shapes.

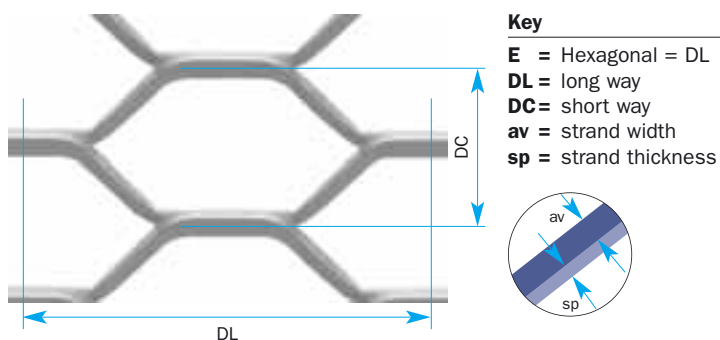
The most popular strand thickness sizes are shown.

The weights given are approximate only, depending on the material chosen and the short way of the mesh.

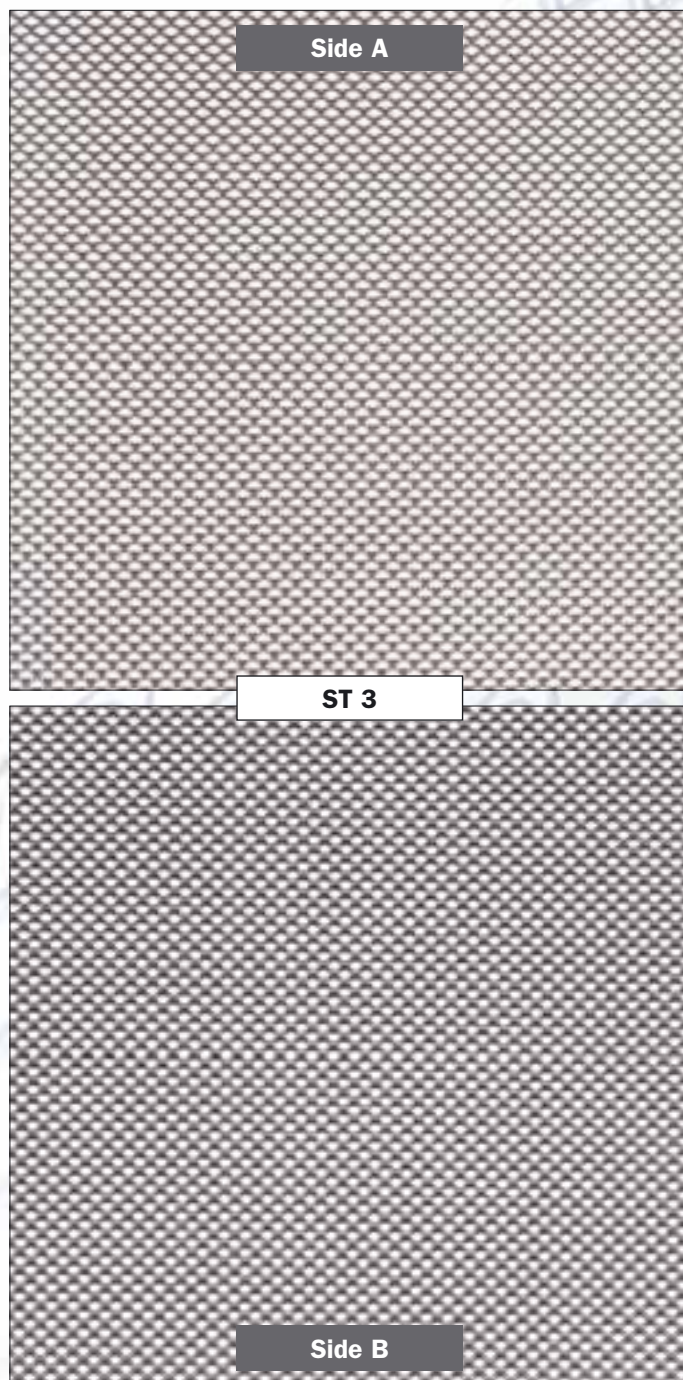
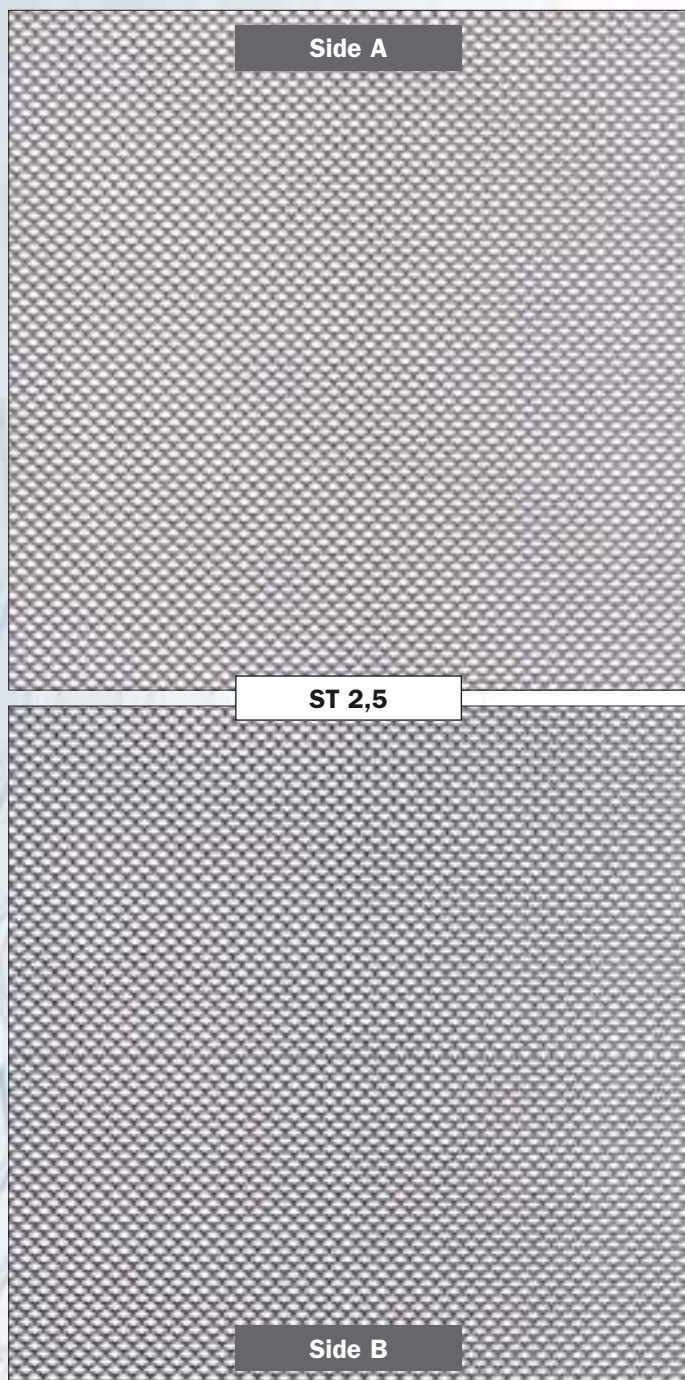
The Kg per m<sup>2</sup> figure applies to mild steel or stainless steel material.

Meshes shown life-size, but please allow for photo tolerances.

| <b>DL mm</b> | <b>DC mm</b> | <b>Strand width<br/>av/mm</b> | <b>Strand thickness<br/>sp/mm</b> | <b>Weight kg/m<sup>2</sup></b> | <b>Maximum width<br/>of sheet/coil mm</b> |
|--------------|--------------|-------------------------------|-----------------------------------|--------------------------------|-------------------------------------------|
| <b>E 3</b>   | 2,00         | 0,50                          | 0,40                              | 1,600                          | 625                                       |
|              | 2,00         | 0,50                          | 0,50                              | 2,000                          | 625                                       |
|              | 2,00         | 0,50                          | 0,60                              | 2,400                          | 625                                       |
| <b>E 3,5</b> | 2,30         | 0,55                          | 0,40                              | 1,550                          | 625                                       |
|              | 2,30         | 0,55                          | 0,50                              | 1,900                          | 625                                       |
|              | 2,30         | 0,55                          | 0,60                              | 2,300                          | 625                                       |
| <b>E 4</b>   | 3,00         | 0,65                          | 0,50                              | 1,700                          | 1000 - 1250                               |
|              | 3,00         | 0,65                          | 0,60                              | 2,050                          | 1000 - 1250                               |
|              | 3,00         | 0,65                          | 0,80                              | 2,750                          | 1000 - 1250                               |
| <b>E 5</b>   | 3,20         | 0,80                          | 0,50                              | 2,000                          | 1000 - 1250                               |
|              | 3,20         | 0,80                          | 0,60                              | 2,400                          | 1000 - 1250                               |
|              | 3,20         | 0,80                          | 0,80                              | 3,100                          | 1000 - 1250                               |
| <b>E 6</b>   | 3,50         | 0,80                          | 0,60                              | 2,100                          | 1000 - 1250                               |
|              | 3,50         | 0,80                          | 0,80                              | 2,750                          | 1000 - 1250                               |
|              | 3,50         | 0,80                          | 1,00                              | 3,450                          | 1000 - 1250                               |
| <b>E 8</b>   | 4,70         | 0,80                          | 0,60                              | 1,900                          | 1000 - 1250                               |
|              | 4,70         | 0,80                          | 0,80                              | 2,400                          | 1000 - 1250                               |
|              | 4,70         | 0,80                          | 1,00                              | 2,800                          | 1000 - 1250                               |
| <b>E 10</b>  | 5,00         | 1,00                          | 0,60                              | 1,900                          | 1000 - 1250                               |
|              | 5,00         | 1,00                          | 0,80                              | 2,550                          | 1000 - 1250                               |
|              | 5,00         | 1,00                          | 1,00                              | 3,100                          | 1000 - 1250                               |
| <b>E 15</b>  | 6,50         | 1,30                          | 0,60                              | 1,900                          | 1000 - 1250                               |
|              | 6,50         | 1,30                          | 0,80                              | 2,550                          | 1000 - 1250                               |
|              | 6,50         | 1,30                          | 1,00                              | 3,150                          | 1000 - 1250                               |
| <b>E 25</b>  | 13,00        | 1,50                          | 1,00                              | 1,850                          | 1000 - 1250 - 1500                        |
|              | 13,00        | 2,00                          | 1,50                              | 3,600                          | 1000 - 1250 - 1500                        |
|              | 13,00        | 2,00                          | 2,00                              | 4,500                          | 1000 - 1250 - 1500                        |
| <b>E 30</b>  | 16,00        | 1,50                          | 1,00                              | 1,500                          | 1000 - 1250 - 1500                        |
|              | 16,00        | 1,50                          | 1,50                              | 2,250                          | 1000 - 1250 - 1500                        |
|              | 16,00        | 2,00                          | 2,00                              | 3,400                          | 1000 - 1250 - 1500                        |



# Round hole expanded meshes



Side A

ST 4,5

Side B

Mesh produced in all materials, in rolls or sheets, standard or personalised thickness and shapes.

The most popular strand thickness sizes are shown.

The weights given are approximate only, depending on the material chosen and the short way of the mesh.

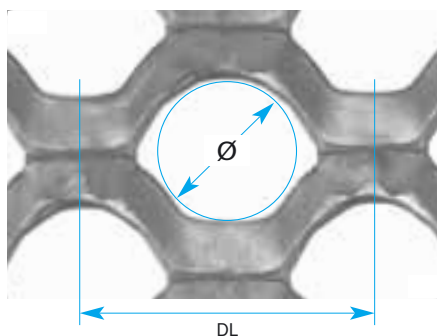
The Kg per m<sup>2</sup> figure applies to mild steel or stainless steel material.

Meshes shown life-size, but please allow for photo tolerances.

| DL mm  | Strand width<br>av/mm | Strand thickness<br>sp/mm | Ø mm (~) | Weight kg/m <sup>2</sup> | Maximum width<br>of sheet/coil mm |
|--------|-----------------------|---------------------------|----------|--------------------------|-----------------------------------|
| ST 2,5 | 0,60                  | 0,30                      | 1,00     | 1,350                    | 500                               |
|        | 0,60                  | 0,40                      | 1,00     | 1,800                    | 500                               |
|        | 0,60                  | 0,50                      | 1,00     | 2,200                    | 500                               |
| ST 3   | 0,70                  | 0,40                      | 1,30     | 1,650                    | 500                               |
|        | 0,70                  | 0,50                      | 1,30     | 2,000                    | 500                               |
|        | 0,70                  | 0,60                      | 1,30     | 2,500                    | 500                               |
| ST 4,5 | 1,10                  | 0,50                      | 1,50     | 2,150                    | 1000 - 1250                       |
|        | 1,10                  | 0,60                      | 1,50     | 2,900                    | 1000 - 1250                       |
|        | 1,10                  | 0,80                      | 1,50     | 3,600                    | 1000                              |

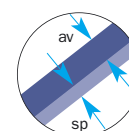
#### Mesh identification

|        |   |      |   |      |   |      |
|--------|---|------|---|------|---|------|
| ST 4,5 | - | 1,10 | x | 0,80 | - | 1,50 |
| DL     |   | av   |   | sp   |   | Ø    |

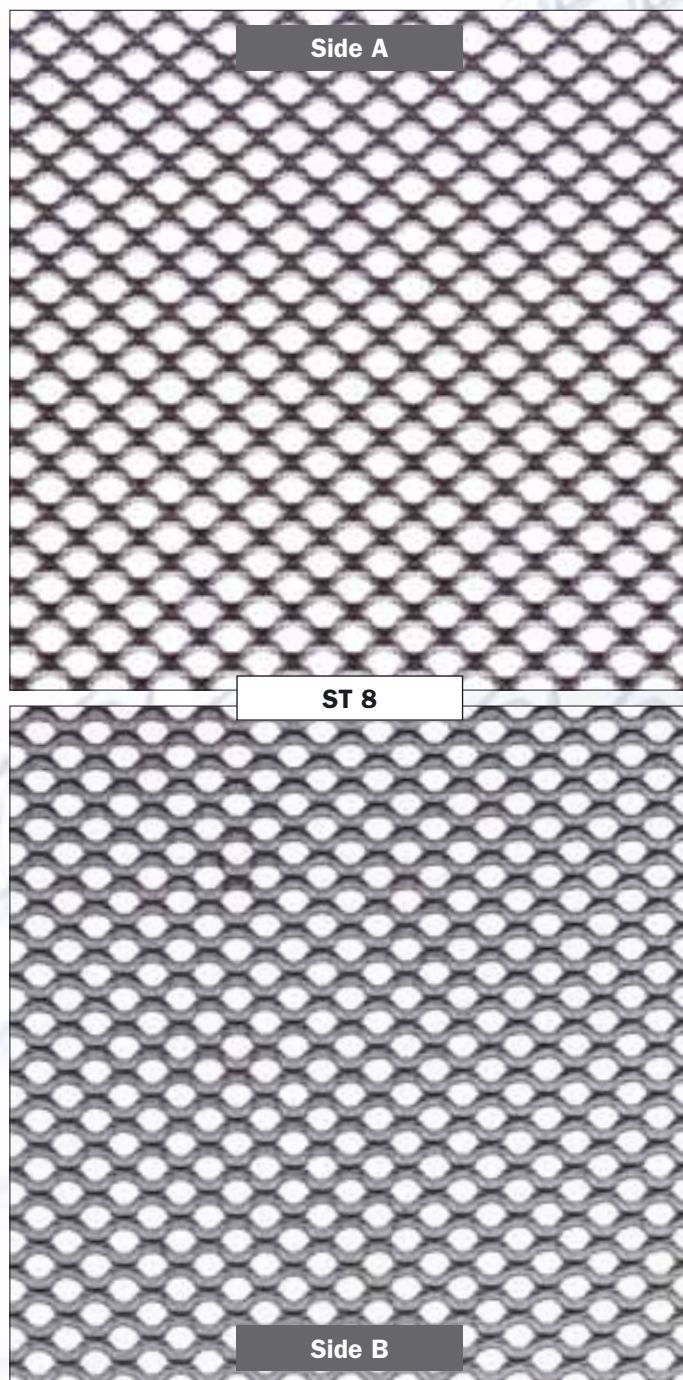
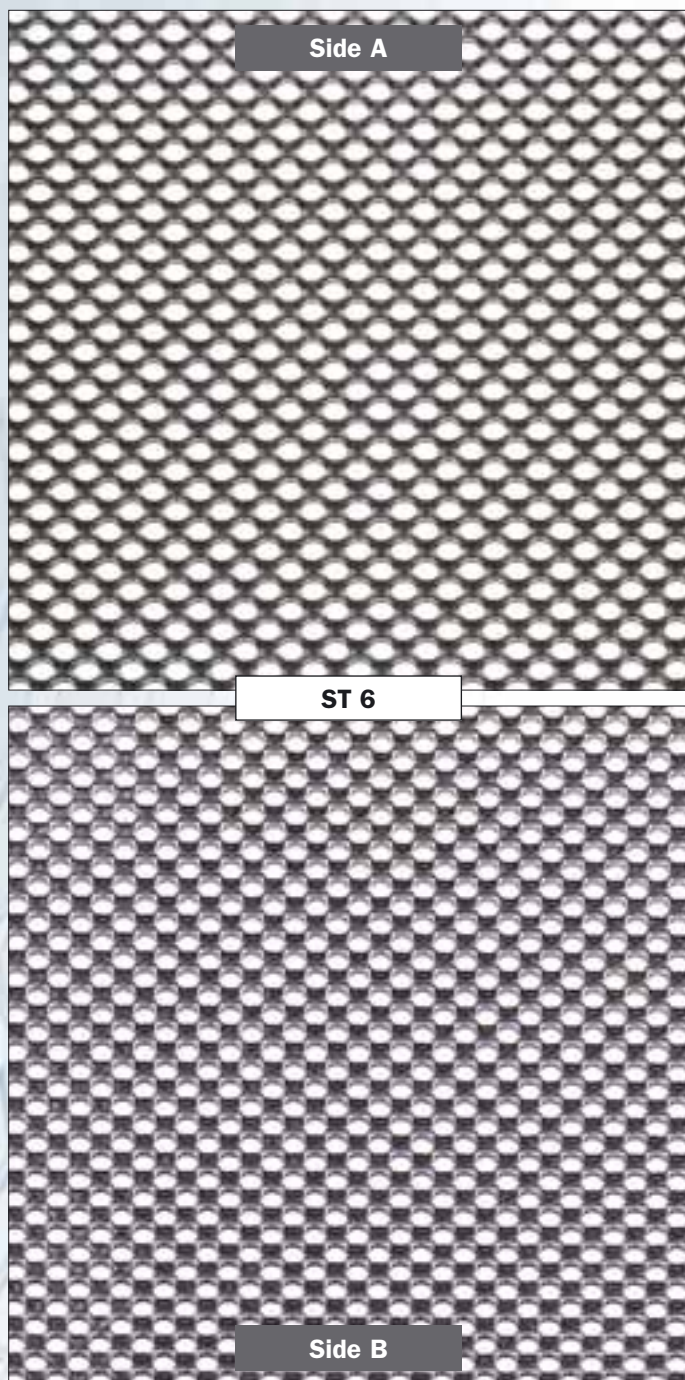


#### Key

ST = DL  
av = strand width  
sp = strand thickness  
Ø = hole diameter



## Round hole expanded meshes



Side A

ST 9

Side B

Mesh produced in all materials, in rolls or sheets, standard or personalised thickness and shapes.

The most popular strand thickness sizes are shown.

The weights given are approximate only, depending on the material chosen and the short way of the mesh.

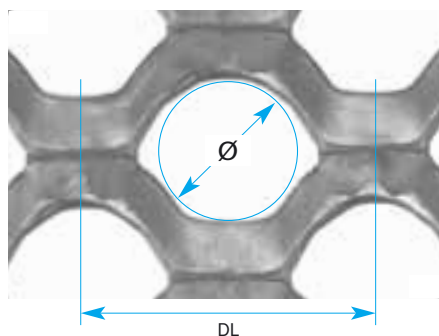
The Kg per m<sup>2</sup> figure applies to mild steel or stainless steel material.

Meshes shown life-size, but please allow for photo tolerances.

| DL mm | Strand width<br>av/mm | Strand thickness<br>sp/mm | Ø mm (~) | Weight kg/m <sup>2</sup> | Maximum width<br>of sheet/coil mm |
|-------|-----------------------|---------------------------|----------|--------------------------|-----------------------------------|
| ST 6  | 1,30                  | 0,60                      | 2,50     | 2,600                    | 1000 - 1250                       |
|       | 1,30                  | 0,80                      | 2,50     | 3,100                    | 1000 - 1250                       |
|       | 1,30                  | 1,00                      | 2,50     | 3,900                    | 1000 - 1250                       |
| ST 8  | 1,50                  | 0,60                      | 3,00     | 2,300                    | 1000 - 1250 - 1500                |
|       | 1,50                  | 0,80                      | 3,00     | 2,900                    | 1000 - 1250 - 1500                |
|       | 1,50                  | 1,00                      | 3,00     | 3,500                    | 1000 - 1250 - 1500                |
| ST 9  | 1,60                  | 0,60                      | 4,00     | 2,200                    | 1000 - 1250 - 1500                |
|       | 1,60                  | 0,80                      | 4,00     | 2,900                    | 1000 - 1250 - 1500                |
|       | 1,60                  | 1,00                      | 4,00     | 3,500                    | 1000 - 1250 - 1500                |

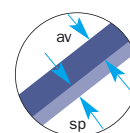
Mesh identification

|      |   |      |   |      |   |      |
|------|---|------|---|------|---|------|
| ST 9 | - | 1,60 | x | 1,00 | - | 4,00 |
| DL   |   | av   |   | sp   |   | Ø    |

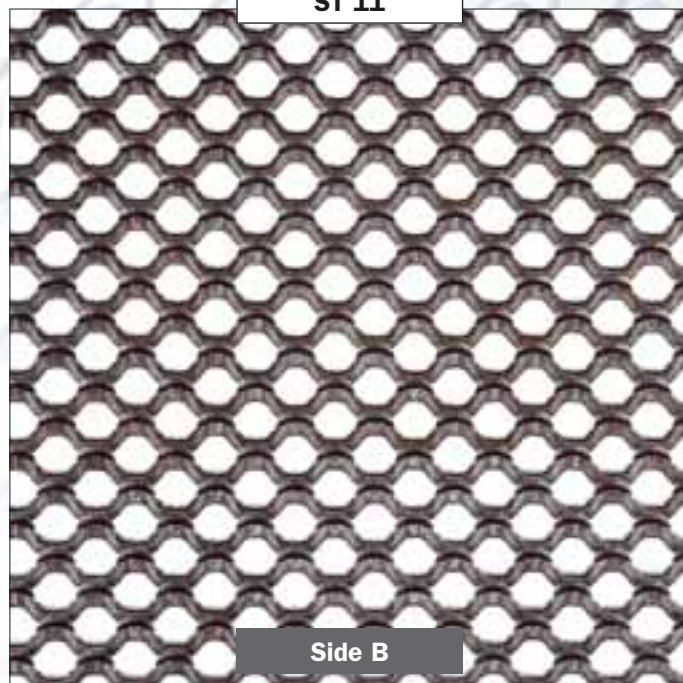
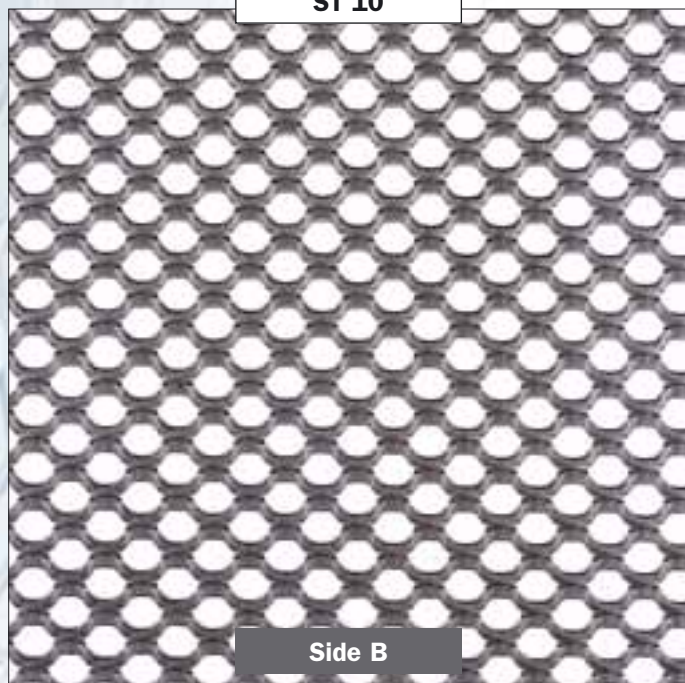


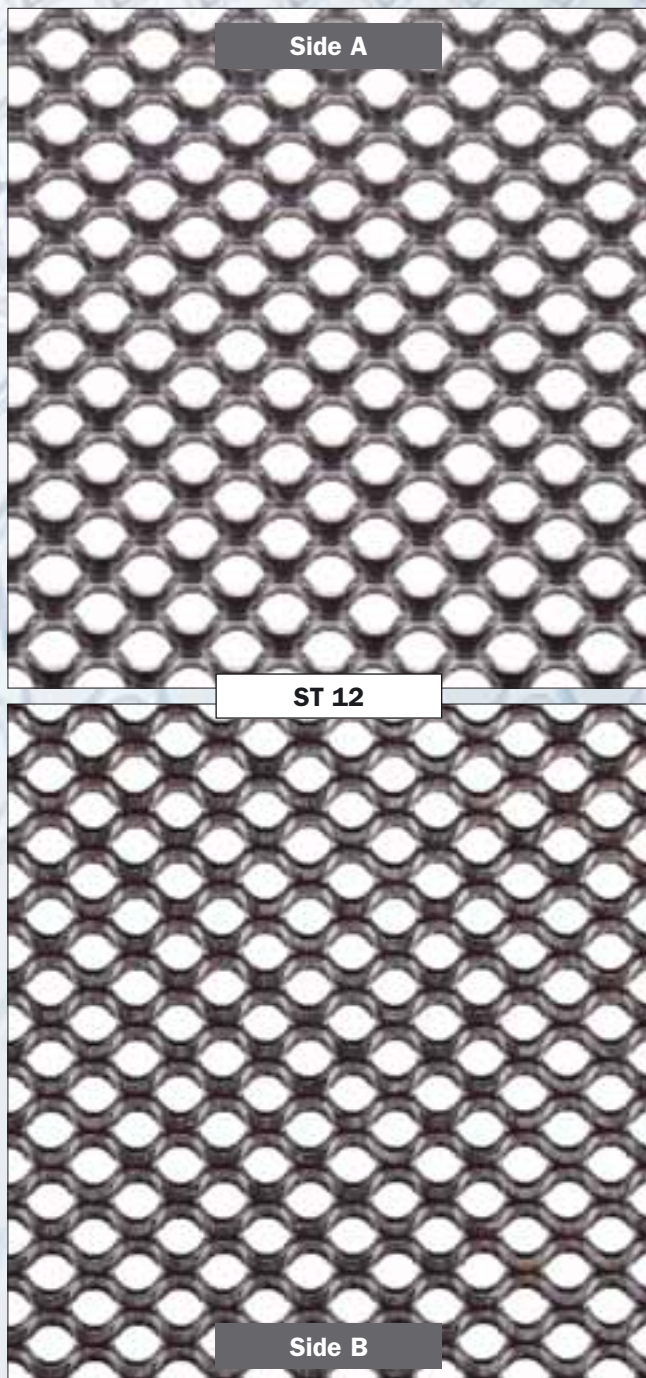
Key

ST = DL  
av = strand width  
sp = strand thickness  
Ø = hole diameter



## Round hole expanded meshes





Mesh produced in all materials, in rolls or sheets, standard or personalised thickness and shapes.

The most popular strand thickness sizes are shown.

The weights given are approximate only, depending on the material chosen and the short way of the mesh.

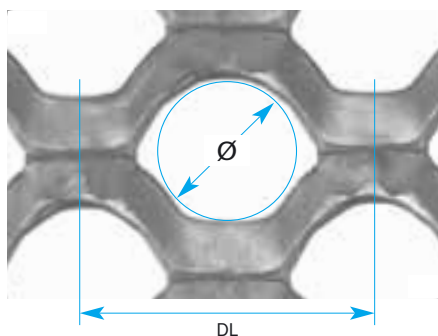
The Kg per m<sup>2</sup> figure applies to mild steel or stainless steel material.

Meshes shown life-size, but please allow for photo tolerances.

| DL mm        | Strand width<br>av/mm | Strand thickness<br>sp/mm | Ø mm (~) | Weight kg/m <sup>2</sup> | Maximum width<br>of sheet/coil mm |
|--------------|-----------------------|---------------------------|----------|--------------------------|-----------------------------------|
| <b>ST 10</b> | 1,60                  | 0,60                      | 5,00     | 1,950                    | 1000 - 1250 - 1500                |
|              | 1,60                  | 0,80                      | 5,00     | 2,600                    | 1000 - 1250 - 1500                |
|              | 1,60                  | 1,00                      | 5,00     | 3,300                    | 1000 - 1250 - 1500                |
| <b>ST 11</b> | 1,90                  | 0,80                      | 5,50     | 2,500                    | 1000 - 1250 - 1500                |
|              | 1,90                  | 1,00                      | 5,50     | 3,300                    | 1000 - 1250 - 1500                |
|              | 1,90                  | 1,50                      | 5,50     | 5,000                    | 1000 - 1250 - 1500                |
| <b>ST 12</b> | 2,30                  | 0,80                      | 6,00     | 3,000                    | 1000 - 1250 - 1500                |
|              | 2,30                  | 1,00                      | 6,00     | 3,700                    | 1000 - 1250 - 1500                |
|              | 2,30                  | 1,50                      | 6,00     | 5,300                    | 1000 - 1250 - 1500                |

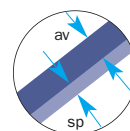
#### Mesh identification

|              |   |           |   |           |   |          |
|--------------|---|-----------|---|-----------|---|----------|
| <b>ST 12</b> | - | 2,30      | x | 1,50      | - | 6,00     |
| <b>DL</b>    |   | <b>av</b> |   | <b>sp</b> |   | <b>Ø</b> |

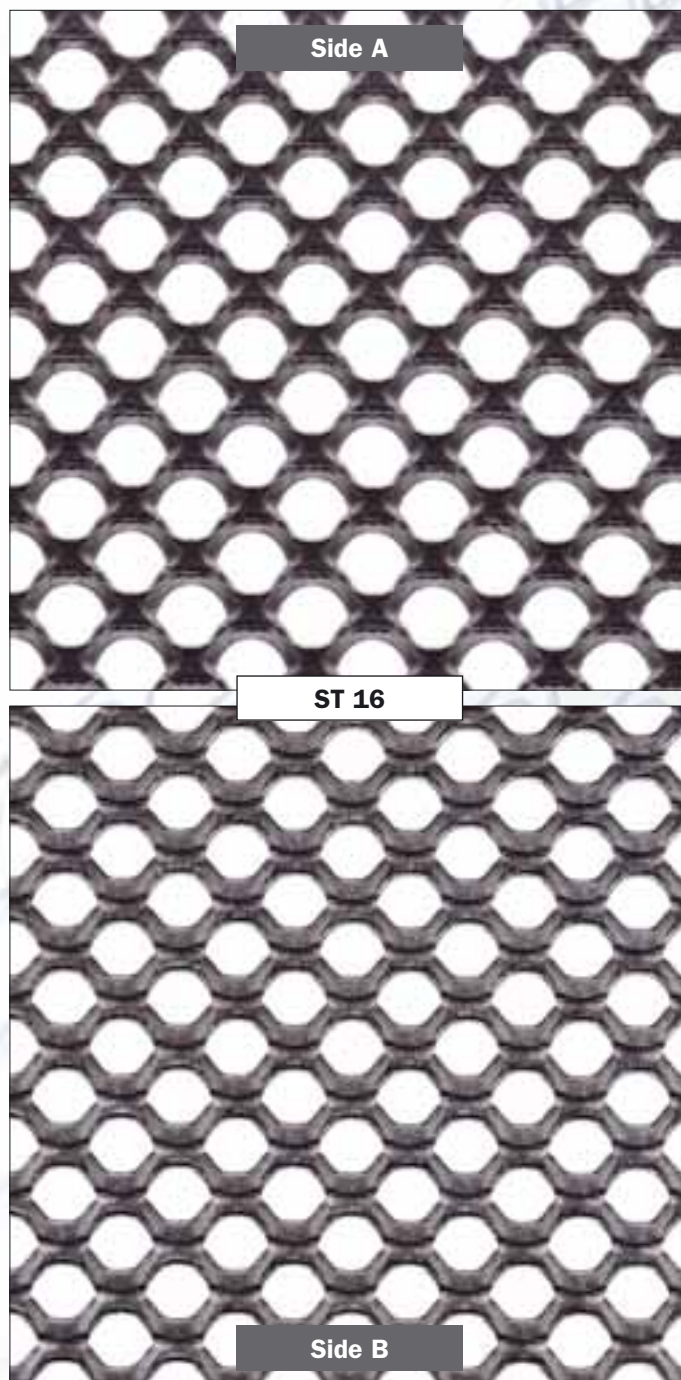
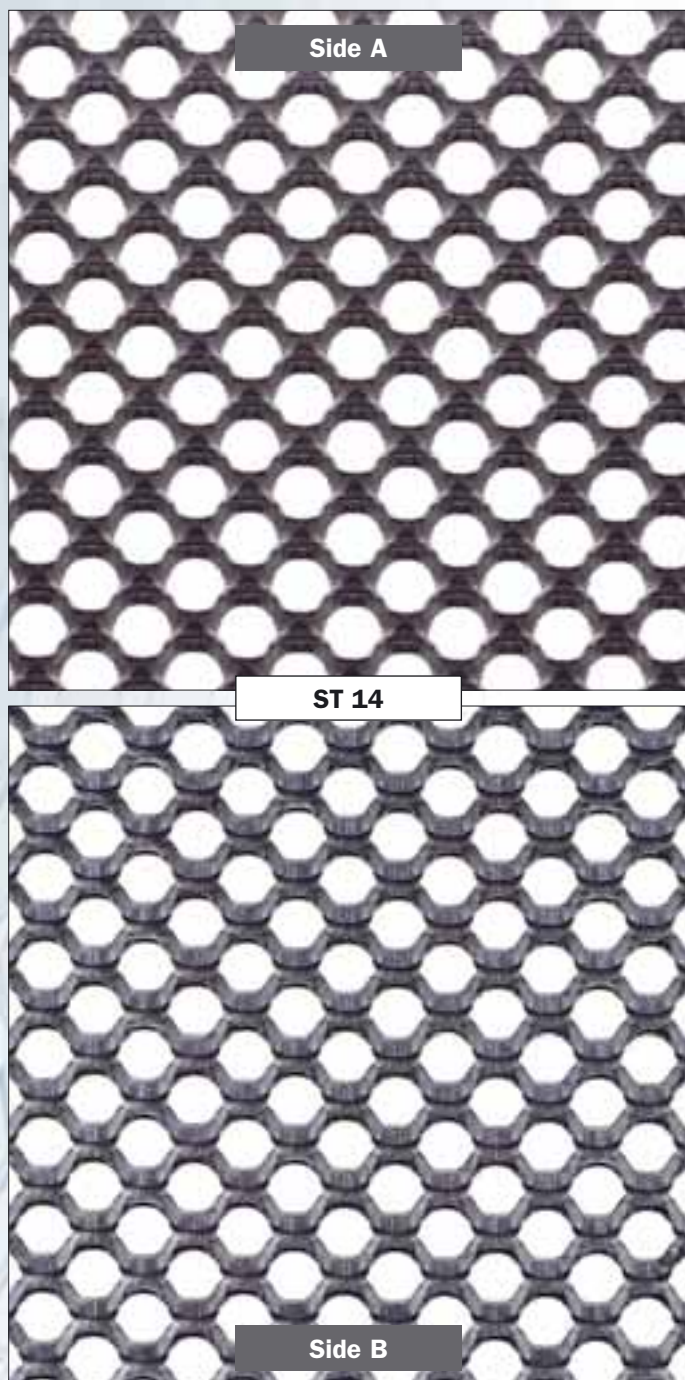


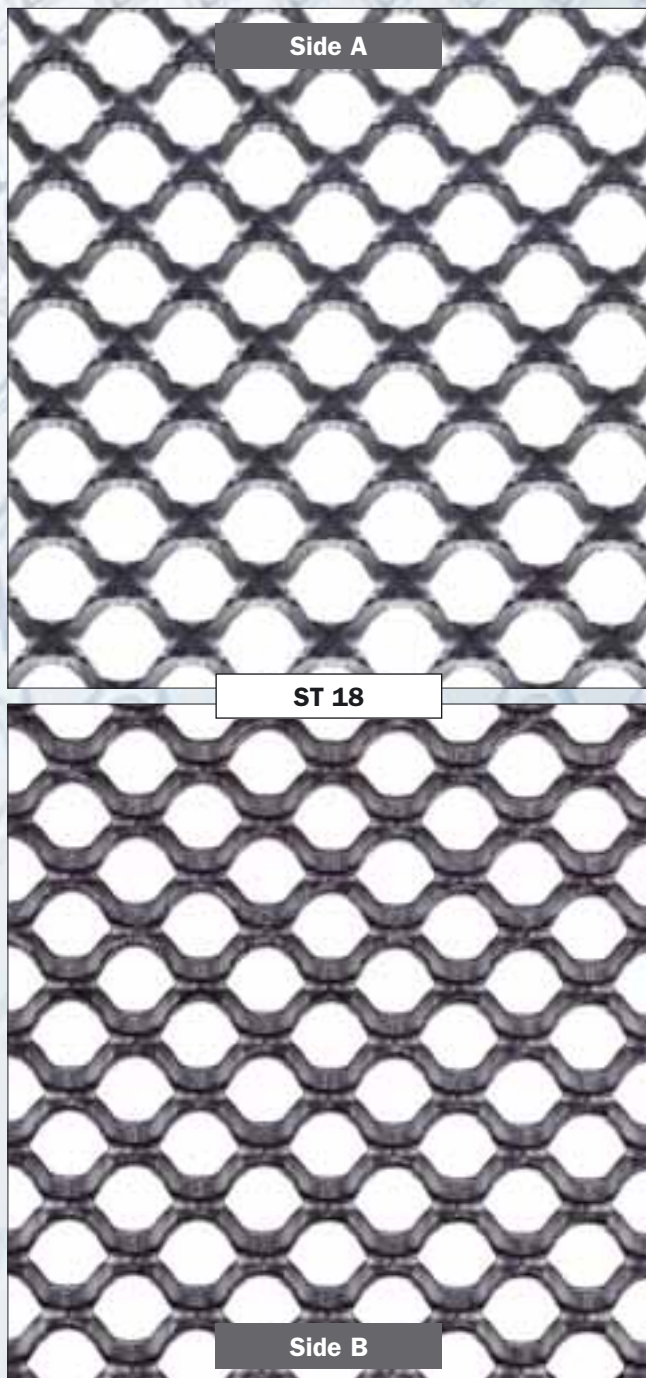
#### Key

**ST** = DL  
**av** = strand width  
**sp** = strand thickness  
**Ø** = hole diameter



## Round hole expanded meshes





Mesh produced in all materials, in rolls or sheets, standard or personalised thickness and shapes.

The most popular strand thickness sizes are shown.

The weights given are approximate only, depending on the material chosen and the short way of the mesh.

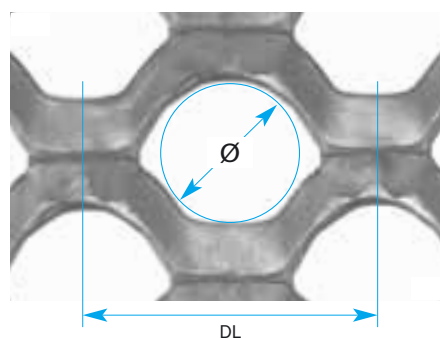
The Kg per m<sup>2</sup> figure applies to mild steel or stainless steel material.

Meshes shown life-size, but please allow for photo tolerances.

| DL mm        | Strand width<br>av/mm | Strand thickness<br>sp/mm | Ø mm (~) | Weight kg/m <sup>2</sup> | Maximum width<br>of sheet/coil mm |
|--------------|-----------------------|---------------------------|----------|--------------------------|-----------------------------------|
| <b>ST 14</b> | 2,70                  | 0,80                      | 7,00     | 3,100                    | 1000 - 1250 - 1500                |
|              | 2,70                  | 1,00                      | 7,00     | 4,000                    | 1000 - 1250 - 1500                |
|              | 2,70                  | 1,50                      | 7,00     | 5,900                    | 1000 - 1250 - 1500                |
| <b>ST 16</b> | 3,00                  | 1,00                      | 8,00     | 3,600                    | 1000 - 1250 - 1500                |
|              | 3,00                  | 1,50                      | 8,00     | 5,400                    | 1000 - 1250 - 1500                |
|              | 3,00                  | 2,00                      | 8,00     | 6,900                    | 1000 - 1250 - 1500                |
| <b>ST 18</b> | 3,10                  | 1,00                      | 9,00     | 3,300                    | 1000 - 1250 - 1500                |
|              | 3,10                  | 1,50                      | 9,00     | 5,100                    | 1000 - 1250 - 1500                |
|              | 3,10                  | 2,00                      | 9,00     | 6,200                    | 1000 - 1250 - 1500                |

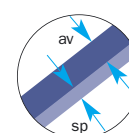
#### Mesh identification

|              |   |           |   |           |   |          |
|--------------|---|-----------|---|-----------|---|----------|
| <b>ST 18</b> | - | 3,10      | x | 2,00      | - | 9,00     |
| <b>DL</b>    |   | <b>av</b> |   | <b>sp</b> |   | <b>Ø</b> |

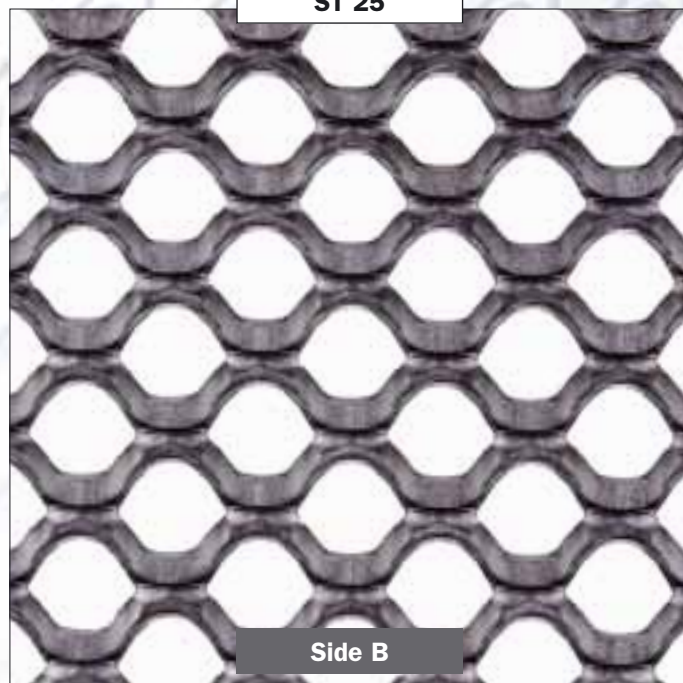
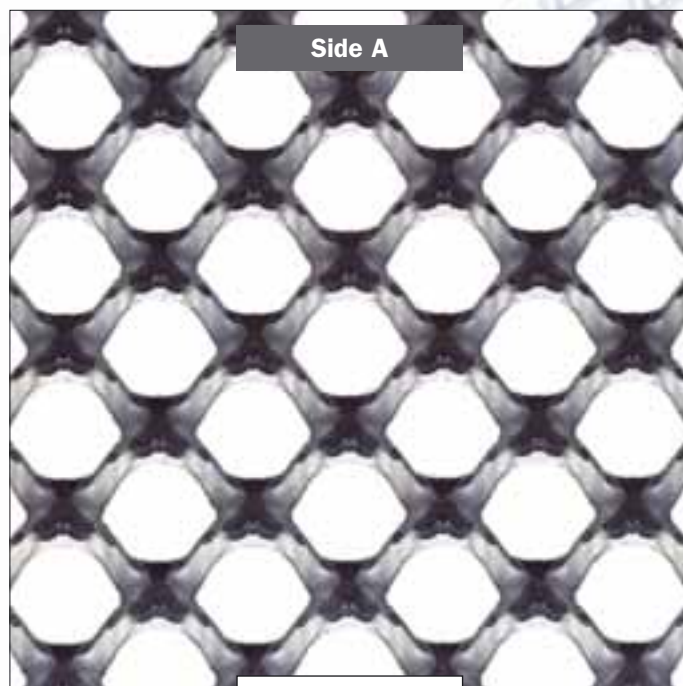
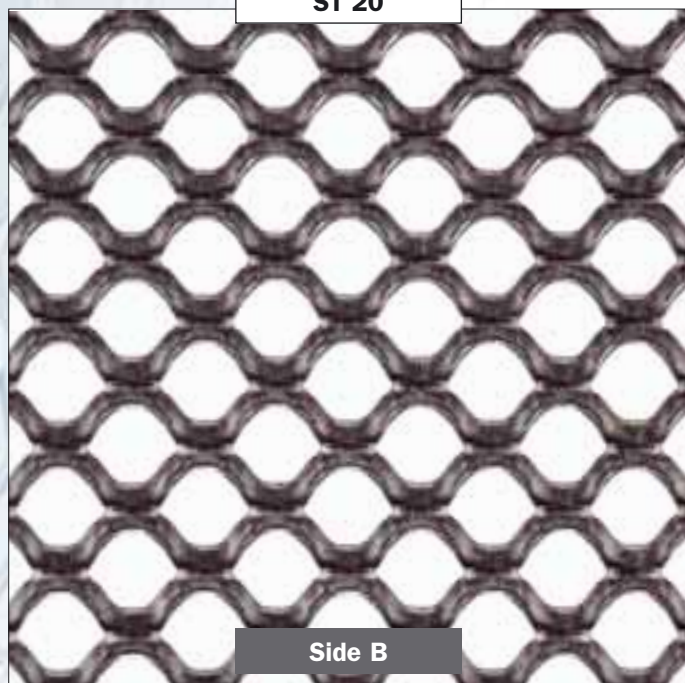
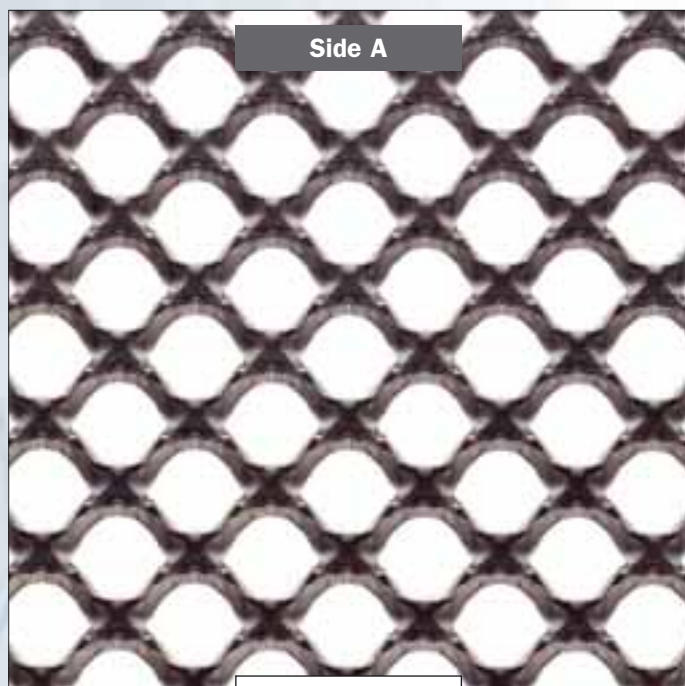


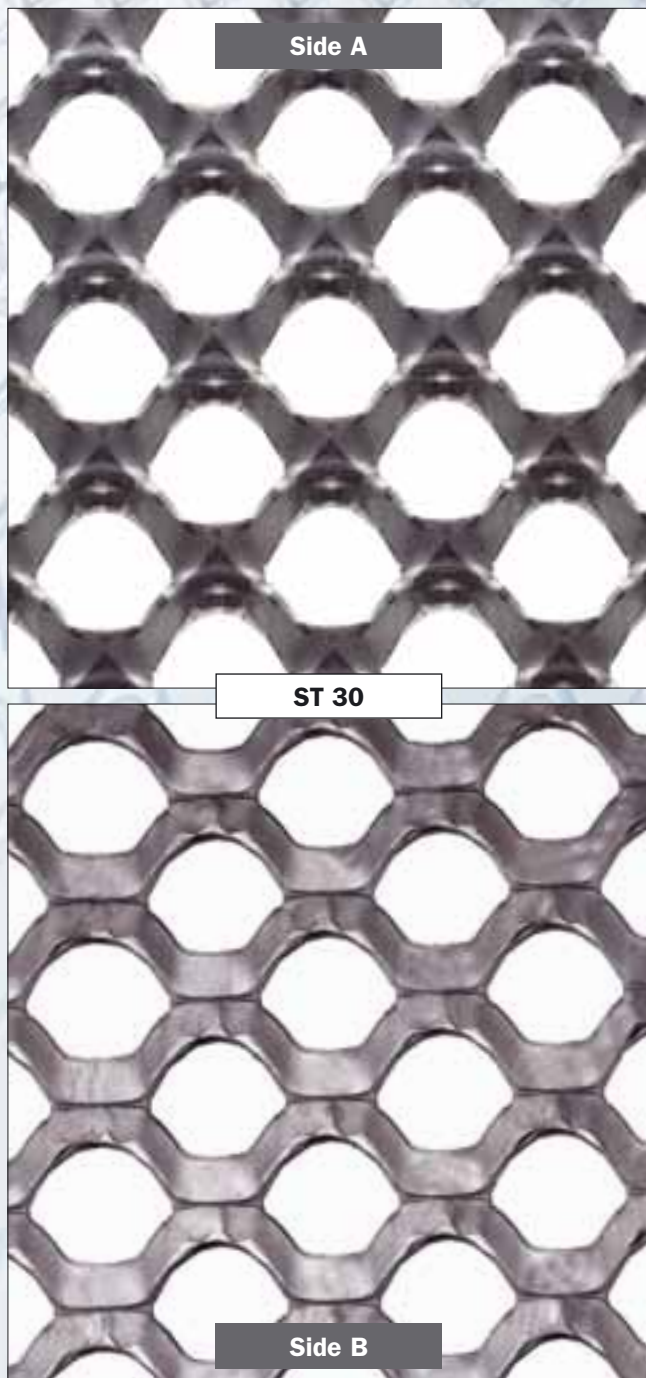
#### Key

**ST** = DL  
**av** = strand width  
**sp** = strand thickness  
**Ø** = hole diameter



## Round hole expanded meshes





| DL mm | Strand width<br>av/mm | Strand thickness<br>sp/mm | Ø mm (~) | Weight kg/m <sup>2</sup> | Maximum width<br>of sheet/coil mm |
|-------|-----------------------|---------------------------|----------|--------------------------|-----------------------------------|
| ST 20 | 3,25                  | 1,00                      | 10,00    | 3,200                    | 1000 - 1250 - 1500                |
|       | 3,25                  | 1,50                      | 10,00    | 4,900                    | 1000 - 1250 - 1500                |
|       | 3,25                  | 2,00                      | 10,00    | 6,200                    | 1000 - 1250 - 1500                |
| ST 25 | 4,50                  | 1,50                      | 13,00    | 5,400                    | 1000 - 1250 - 1500                |
|       | 4,50                  | 2,00                      | 13,00    | 6,500                    | 1000 - 1250                       |
|       | 4,50                  | 3,00                      | 13,00    | 10,500                   | 1000                              |
| ST 30 | 6,00                  | 1,50                      | 15,00    | 5,400                    | 1000 - 1250 - 1500                |
|       | 6,00                  | 2,00                      | 15,00    | 7,300                    | 1000 - 1250                       |
|       | 6,00                  | 3,00                      | 15,00    | 10,800                   | 1000                              |

Mesh produced in all materials, in rolls or sheets, standard or personalised thickness and shapes.

The most popular strand thickness sizes are shown.

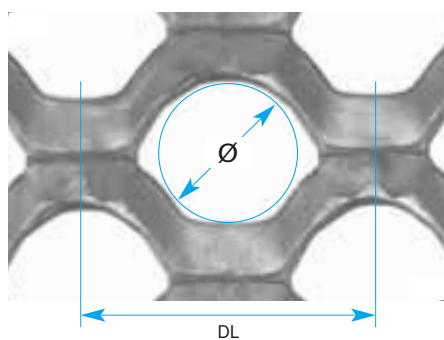
The weights given are approximate only, depending on the material chosen and the short way of the mesh.

The Kg per m<sup>2</sup> figure applies to mild steel or stainless steel material.

Meshes shown life-size, but please allow for photo tolerances.

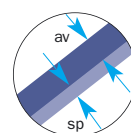
#### Mesh identification

|       |   |      |   |      |   |       |
|-------|---|------|---|------|---|-------|
| ST 30 | - | 6,00 | x | 3,00 | - | 15,00 |
| DL    |   | av   |   | sp   |   | Ø     |



#### Key

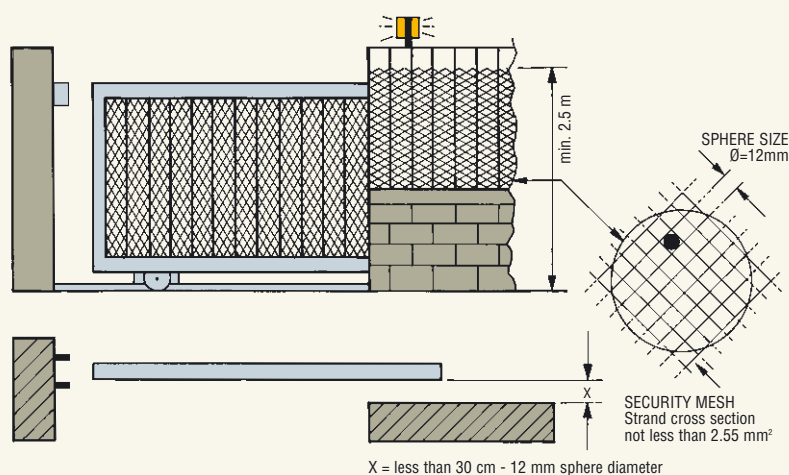
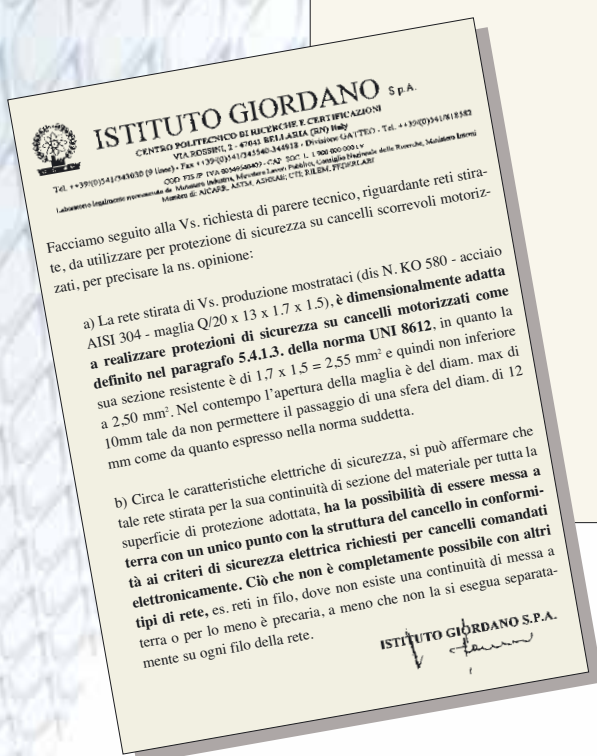
ST = DL  
av = strand width  
sp = strand thickness  
Ø = hole diameter





## Expanded security mesh tested for moving electric gates

Mesh tested for strength and mesh aperture. Suitable for all safety protection needs (compliant with Italian legislative Decree n° 626/1994). Strong and robust, "Sicura" security mesh is made from AISI 304 stainless steel, guaranteeing excellent protection against corrosion. The galvanised carbon steel version requires protective painting.



Even electrically safe: the "Sicura" security mesh is simply earthed by ensuring just one point of the mesh is in contact with the ground, unlike other

types of mesh where you need to earth each individual strand in the mesh, making them much more expensive.

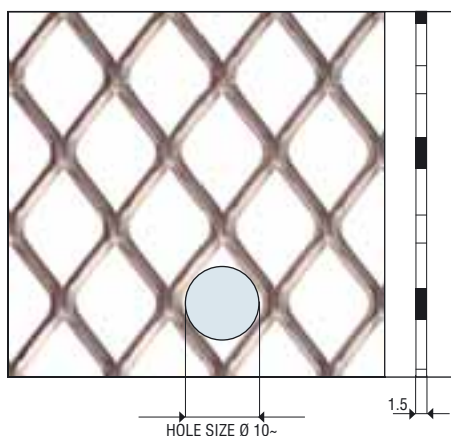
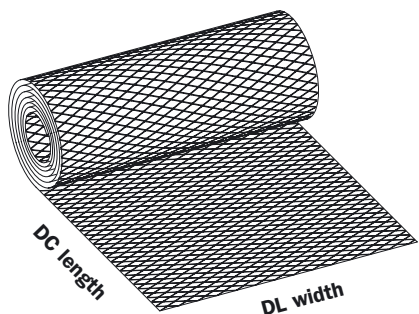


Easy to install, “Sicura” meshes are easily installed to all gates without the need for skilled labour or special jobs.

Protecting all, even the young “Sicura” meshes offer an affordable alternative for infants and toddlers, preventing them from passing through or getting stuck in gates.



Available in roll sizes of:  
1000 mm, 1250 mm, 1500 mm

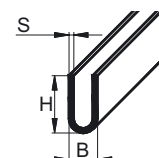


**“Sicura” mesh:**  
actual size mesh  
dimensions

**DL Q20**  
av 1.7 mm  
sp 1.5 mm  
Hole Ø 10 mm  
Sect. 2.55 mm<sup>2</sup>

Mesh with **IP 20** safety  
factor, compliant  
with **CEI EN 60529**  
standards

| FINISHING “U” PROFILE |      |     |          |                            |                          |                             |
|-----------------------|------|-----|----------|----------------------------|--------------------------|-----------------------------|
| Dimensions in mm      |      |     | Material |                            |                          | Weight<br>kg/m <sup>2</sup> |
| B                     | H    | S   |          |                            |                          |                             |
| 4                     | 13,5 | 0,8 |          | Galvanised Sendzimir steel | Stainless steel AISI 304 | 0.20                        |
| 8                     | 15   | 1,5 | Steel    | Galvanised Sendzimir steel |                          | 0.39                        |

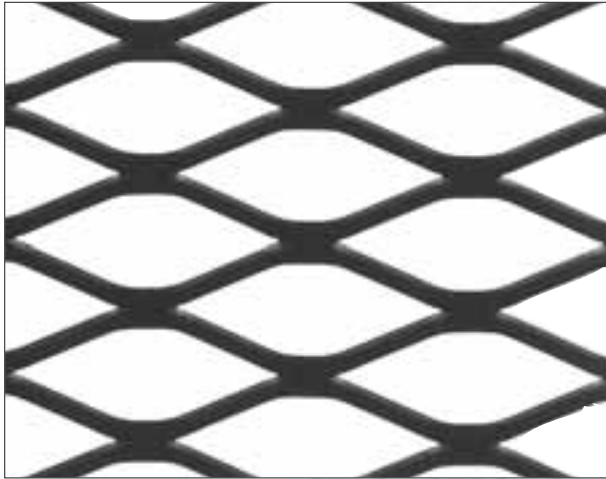


Expanded mesh used  
to air battery boxes,  
gas meters, pipe  
protection ducts.



*Good building practice  
requires that "GAS"  
applications are given a  
large aeration surface.*

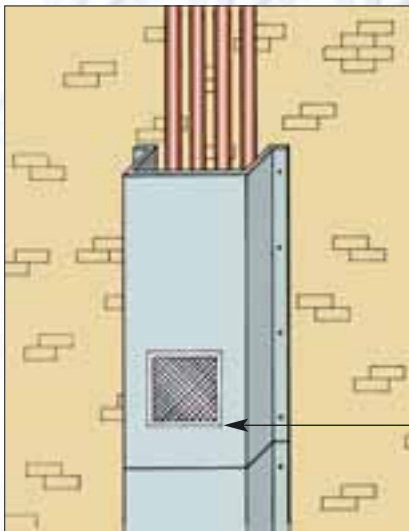




**R 43 x 15 - 2 x 1 mm (flattened)**



**Q 30 x 23 - 2 x 1 mm - Aperture 16 x 16 mm**



*Aeration grills for gas pipe protection ducts*

Expanded and flattened carbon steel mesh, galvanised and painted.



W A T E R



F I R E

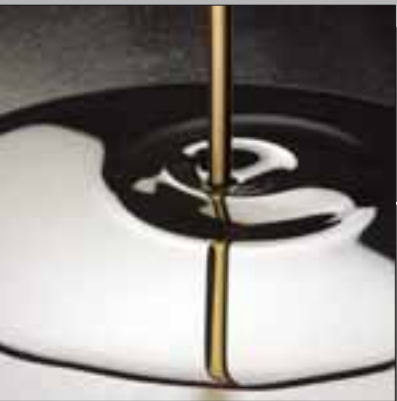


V A P O U R



D U S T

## Intelligent solutions for industrial production



O I L

Thanks to its many years in the business and great professionalism, Italfim supplies intelligent solutions and components to optimise production processes in the mechanical engineering, electrotechnical and general manufacturing industries.

Italfim expanded mesh is irreplaceable for a myriad applications: from air-conditioning to water and gas treatment, oil and dust filtering.

Let the expanded mesh experts advise you.



## Water filters





## Tubular filters



# Assorted filters



## Assorted filters





## Assorted filters



## Stainers



## Activated carbon containers





## Stamped filters





## Speaker grills for car radios - TVs - Hi-Fis

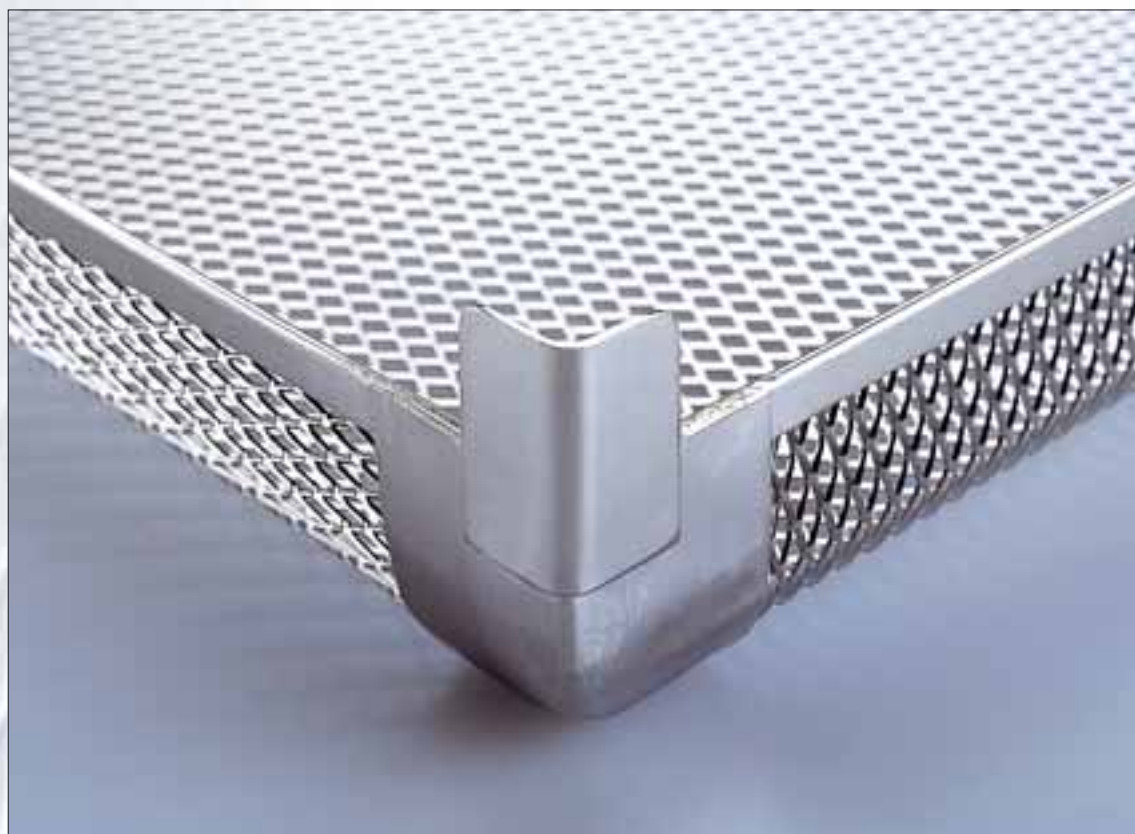


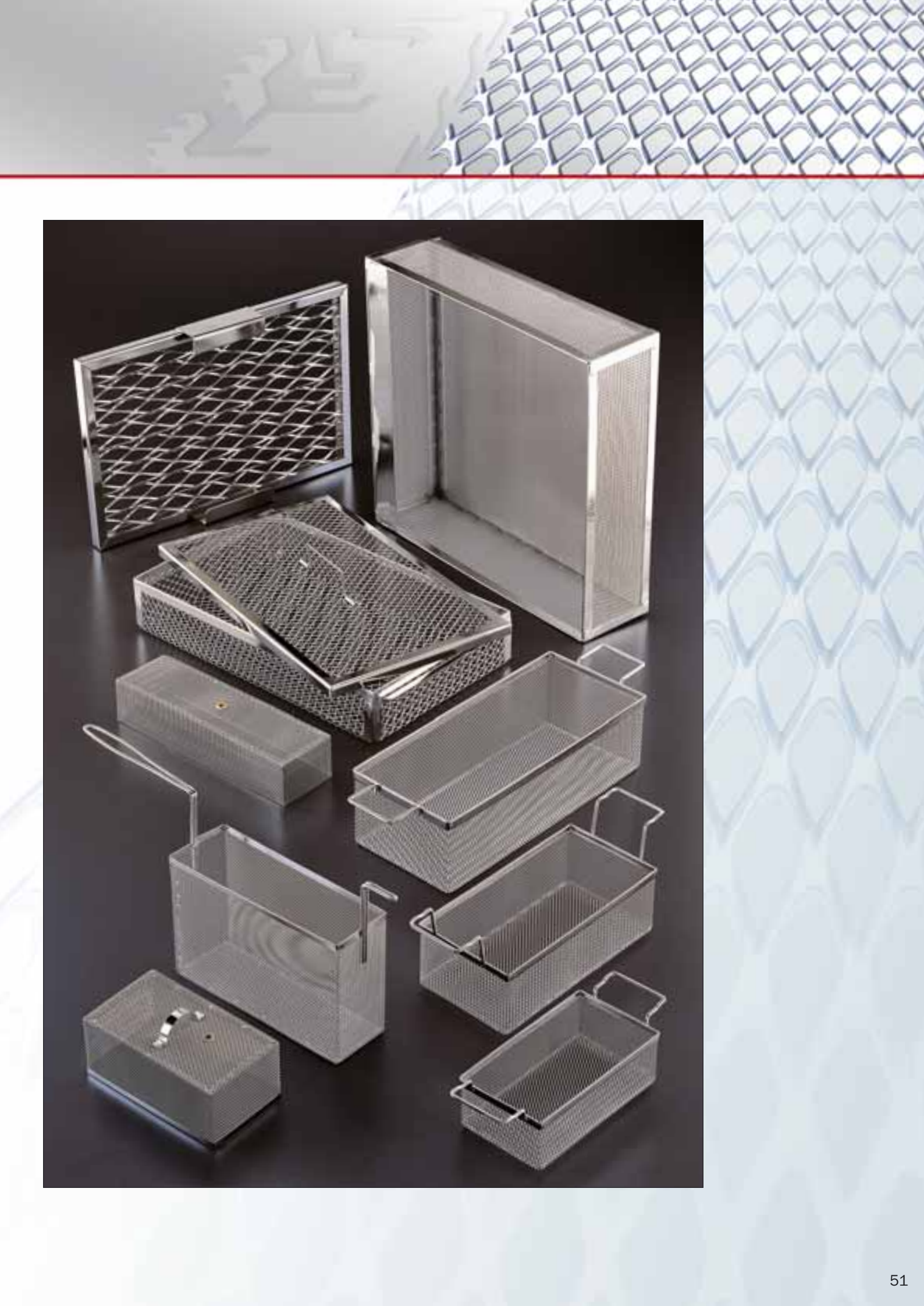
## Speaker grills



## Produced using lightweight structural steel

The expertise of ITALFIM's departments provides a sure guarantee of the quality of the workmanship and precision of each and every order we deliver.





**Produced using  
lightweight structura steel**





## Mesh baskets



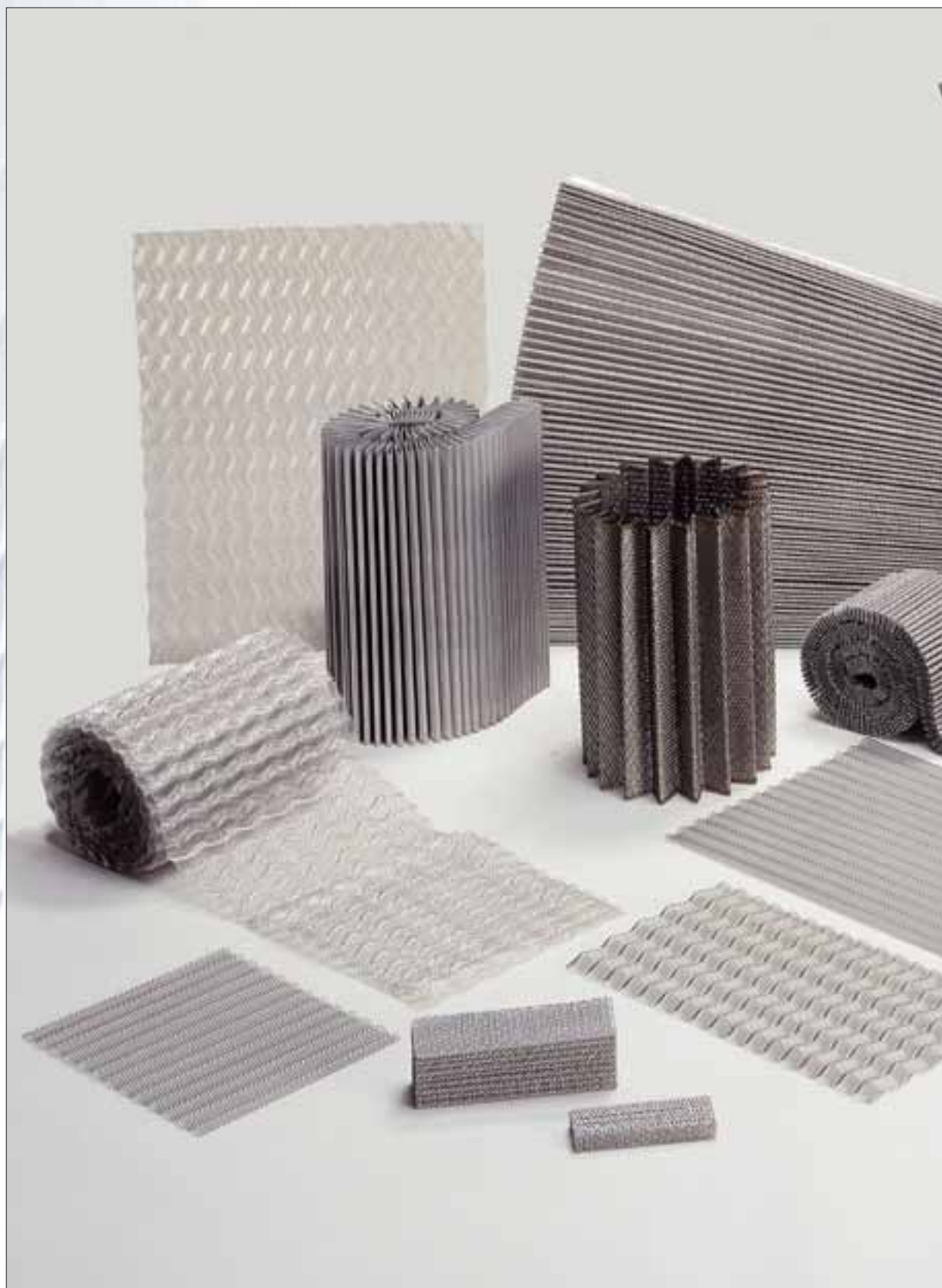


## Mesh baskets





## **Corrugated/pleated/fretted micromeshes**





## **Filter panels for industrial kitchen cooker hoods**

### **Convectors**





## Expanded mesh filters for industrial kitchen cooker hoods

Compliant with DIN 31000 accident prevention standards, paragraph 5.4/79; tested according to VDI 2052 standards, page 1E:1998

ITALFIM cooker hood filters are 100% stainless steel. The most reliable and hygienic material possible, as confirmed by Italian health authority specifications

Standard sizes held readily in stock.

mm 400 x 400 x h 12/20

mm 500 x 400 x h 12/20

mm 500 x 500 x h 12/20

mm 600 x 400 x h 12/20

**Special sizes  
available upon request**



## Stainless steel labyrinth filters for industrial kitchen cooker hoods



ITALFIM's stainless steel cooker hood filters have been tested by TÜV to verify their pressure drops the results are superior efficiencies.

Standard sizes held readily in stock.

|                   |
|-------------------|
| mm 400 x 300 x 25 |
| mm 400 x 400 x 25 |
| mm 500 x 300 x 25 |
| mm 500 x 400 x 25 |
| mm 500 x 500 x 25 |
| mm 600 x 400 x 25 |

**Special sizes  
available upon request**

## Grease filters

### *Stamped mesh filters*



**Grease filters for domestic  
kitchen cooker hoods,  
in stainless steel or aluminium**

*Framed mesh filters*



## **Grease filters for domestic kitchen cooker hoods, in stainless steel or aluminium**

### *Grilled filters*





**Framed filters  
with handle**

**ITALFIM S.p.A.**

**Reti e microreti in lamiera stirata**

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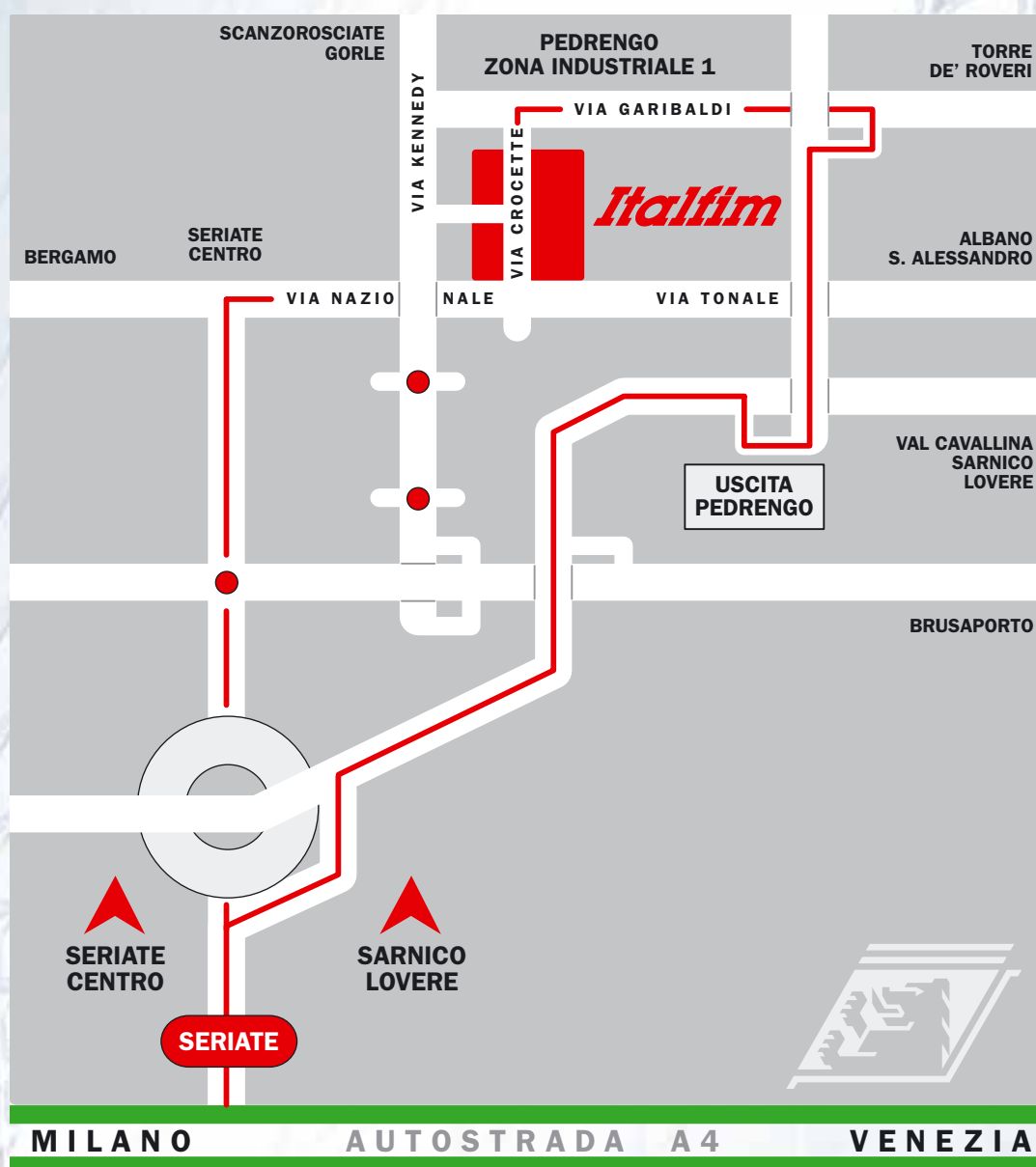
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Fax +39 035 656 050

Fax Internazionale: +39 035 664 151

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**There is also an Italfim catalogue specifically for architecture available.**

Expanded mesh for a modern, prestigious look to buildings.

Expanded mesh to guarantee design practicality and safety.

Expanded mesh to create special design effects.



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italfim@italfim.it

"Bague" Foscarini lamp  
Design: Patricia Urquiola + Eliana Gerotto



**ITALFIM S.p.A.**

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