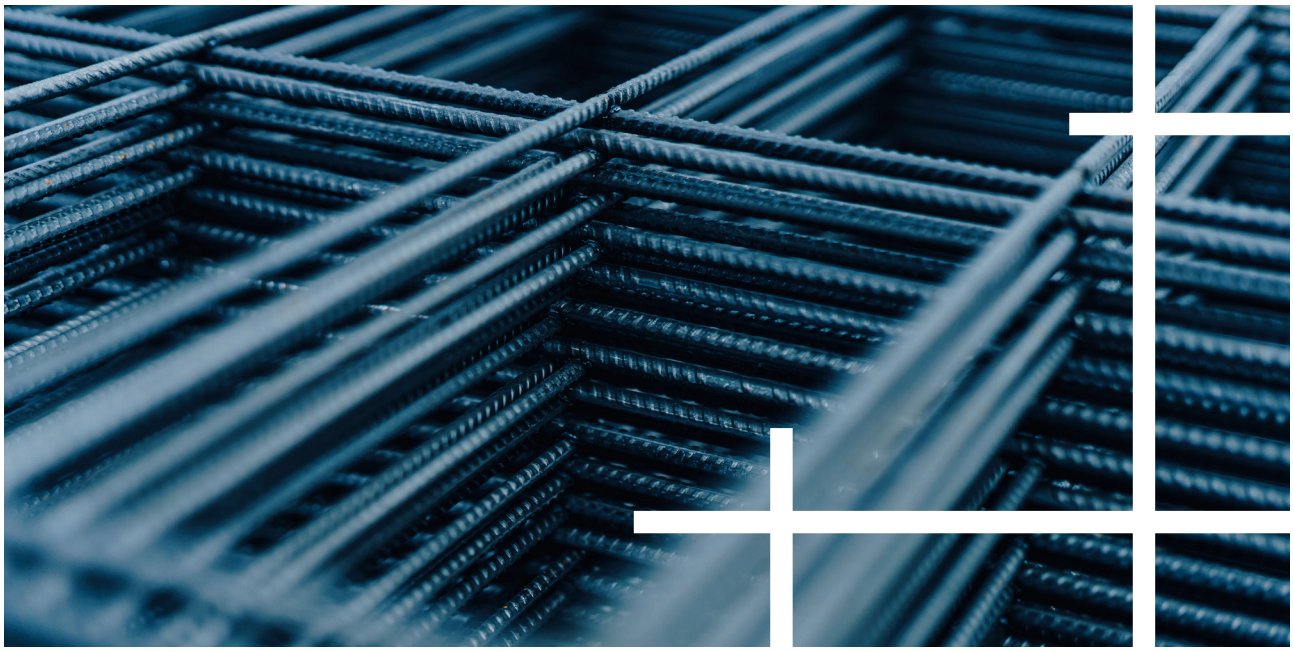
# SPECIAL MESH



Special meshes are produced according to customers specific requirements. Different lengths, widths, wire diameters and wire spacing can be selected according to the static and design aspects.

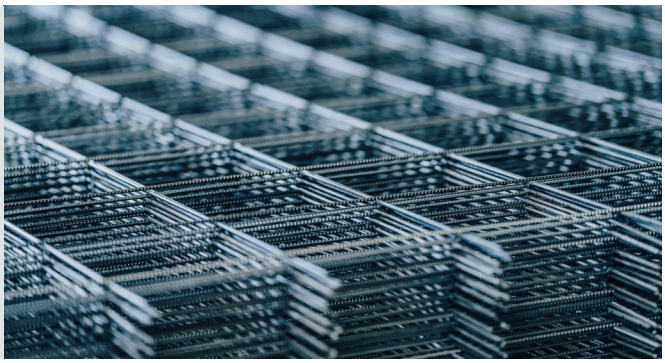
Baustahlgewebe offers special mesh in both grades. B500A normal ductility mesh, made of cold-drawn wire as well as B500B high ductility mesh, made of hot-rolled wire with special ribbing on request.

## PRODUCT SPECIFICATION

| | | | |
|---|---|---|---|
| **Grade** | » **B500A, B550A** | **or** | **B500B, B550B, B500C** |
| **Ductility** | » **Normal** | | **High** |
| **Fabricated** | » **Standard or national technical approval** | | |
| **Availability** | » **On request** | | |
| **Certified for following countries** | » **A \| B \|CH \| CZ \| D \| DK \| F \| N \| NL \| PL \| S** | | |

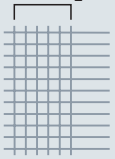
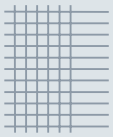
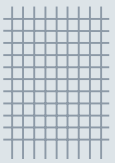
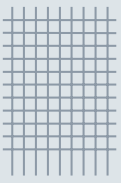
# SPECIAL MESH LINE WIRE

**LINE WIRE - SINGLE BARS**
wire spacing - wire diameter - cross sections



## SPECIAL MESH

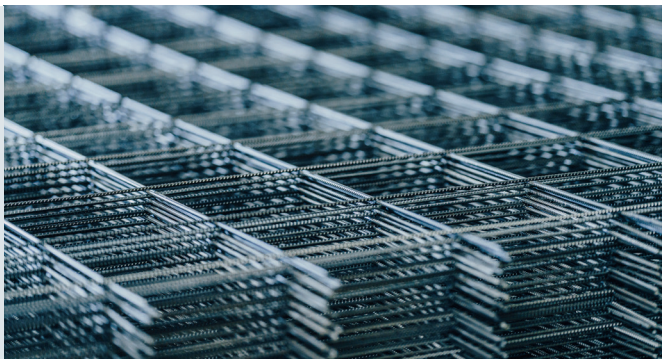
Table includes examples. Additional wire spacing from 50 mm on are possible.

| Wire spacing $a_L$ in mm | Ø 6,0 mm | Ø 7,0 mm | Ø 8,0 mm | Ø 9,0 mm | Ø 10,0 mm | Ø 11,0 mm | Ø 12,0 mm | Maximum welding width* | Maximum mesh width* |
|---|---|---|---|---|---|---|---|---|---|
| | Area reinforcement content $A_s$ in cm²/m | | | | | | | | |
| 75 | 3,77 | 5,13 | 6,70 | 8,48 | 10,47 | 12,67 | 15,08 | 30 x $i_L$  | 3000  |
| 80 | 3,53 | 4,81 | 6,28 | 7,95 | 9,82 | 11,88 | 14,14 | | |
| 85 | 3,33 | 4,53 | 5,91 | 7,48 | 9,24 | 11,18 | 13,31 | | |
| 90 | 3,14 | 4,28 | 5,59 | 7,07 | 8,73 | 10,56 | 12,57 | | |
| 95 | 2,98 | 4,05 | 5,29 | 6,70 | 8,27 | 10,00 | 11,90 | | |
| 100 | 2,83 | 3,85 | 5,03 | 6,36 | 7,85 | 9,50 | 11,31 | 2950  | 3000  |
| 105 | 2,69 | 3,67 | 4,79 | 6,06 | 7,48 | 9,05 | 10,77 | | |
| 110 | 2,57 | 3,50 | 4,57 | 5,78 | 7,14 | 8,64 | 10,28 | | |
| 115 | 2,46 | 3,35 | 4,37 | 5,53 | 6,83 | 8,26 | 9,83 | | |
| 120 | 2,36 | 3,21 | 4,19 | 5,30 | 6,54 | 7,92 | 9,42 | | |
| 125 | 2,26 | 3,08 | 4,02 | 5,09 | 6,28 | 7,60 | 9,05 | | |
| 130 | 2,17 | 2,96 | 3,87 | 4,89 | 6,04 | 7,31 | 8,70 | | |
| 135 | 2,09 | 2,85 | 3,72 | 4,71 | 5,82 | 7,04 | 8,38 | | |
| 140 | 2,02 | 2,75 | 3,59 | 4,54 | 5,61 | 6,79 | 8,08 | | |
| 145 | 1,95 | 2,65 | 3,47 | 4,39 | 5,42 | 6,55 | 7,80 | | |
| 150 | 1,88 | 2,57 | 3,35 | 4,24 | 5,24 | 6,34 | 7,54 | | * Other widths on Request |
| > 150 | in 5 mm steps | | | | | | | | |

# SPECIAL MESH LINE WIRE

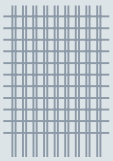
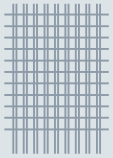
## LINE WIRE - DOUBLE BARS

Wire spacing - wire diameter - cross sections



## SPECIAL MESH

Table includes examples. Additional wire spacing from 75 mm on are possible.

| Wire spacing $a_L$ in mm | Ø 6,0 mm | Ø 7,0 mm | Ø 8,0 mm | Ø 9,0 mm | Ø 10,0 mm | Ø 11,0 mm | Ø 12,0 mm | Maximum welding width* | Maximum mesh width* |
|---|---|---|---|---|---|---|---|---|---|
| | Area reinforcement content $A_s$ in cm²/m | | | | | | | | |
| 100 | 5,65 | 7,70 | 10,05 | 12,72 | 15,71 | 19,01 | 22,62 | 2950  | 3000  |
| 105 | 5,39 | 7,33 | 9,57 | 12,12 | 14,96 | 18,10 | 21,54 | | |
| 110 | 5,14 | 7,00 | 9,14 | 11,57 | 14,28 | 17,28 | 20,56 | | |
| 115 | 4,92 | 6,69 | 8,74 | 11,06 | 13,66 | 16,53 | 19,67 | | |
| 120 | 4,71 | 6,41 | 8,38 | 10,60 | 13,09 | 15,84 | 18,85 | | |
| 125 | 4,52 | 6,16 | 8,04 | 10,18 | 12,57 | 15,21 | 18,10 | | |
| 130 | 4,35 | 5,92 | 7,73 | 9,79 | 12,08 | 14,62 | 17,40 | | |
| 135 | 4,19 | 5,70 | 7,45 | 9,42 | 11,64 | 14,08 | 16,76 | | |
| 140 | 4,04 | 5,50 | 7,18 | 9,09 | 11,22 | 13,58 | 16,16 | | |
| 145 | 3,90 | 5,31 | 6,93 | 8,77 | 10,83 | 13,11 | 15,60 | | |
| 150 | 3,77 | 5,13 | 6,70 | 8,48 | 10,47 | 12,67 | 15,08 | | * Other widths on Request |
| > 150 | in 5 mm steps | | | | | | | | |

# SPECIAL MESH CROSS WIRE

## CROSS WIRE - SINGLE BAR

Wire spacing - wire diameter - cross sections

### SPECIAL MESH

Table includes examples. Additional wire spacing from 30 mm on are possible.

| Wire spacing $a_Q$ in mm | Ø 6,0 mm | Ø 7,0 mm | Ø 8,0 mm | Ø 9,0 mm | Ø 10,0 mm | Ø 11,0 mm | Ø 12,0 mm |
|---|---|---|---|---|---|---|---|
| | Area of distributed reinforcement wire $A_s$ in cm²/m | | | | | | |
| 50 | 5,65 | 7,70 | 10,05 | 12,72 | 15,71 | 19,01 | 22,62 |
| 55 | 5,14 | 7,00 | 9,14 | 11,57 | 14,28 | 17,28 | 20,56 |
| 60 | 4,71 | 6,41 | 8,38 | 10,60 | 13,09 | 15,84 | 18,85 |
| 65 | 4,35 | 5,92 | 7,73 | 9,79 | 12,08 | 14,62 | 17,40 |
| 70 | 4,04 | 5,50 | 7,18 | 9,09 | 11,22 | 13,58 | 16,16 |
| 75 | 3,77 | 5,13 | 6,70 | 8,48 | 10,47 | 12,67 | 15,08 |
| 80 | 3,53 | 4,81 | 6,28 | 7,95 | 9,82 | 11,88 | 14,14 |
| 85 | 3,33 | 4,53 | 5,91 | 7,48 | 9,24 | 11,18 | 13,31 |
| 90 | 3,14 | 4,28 | 5,59 | 7,07 | 8,73 | 10,56 | 12,57 |
| 95 | 2,98 | 4,05 | 5,29 | 6,70 | 8,27 | 10,0 | 11,90 |
| 100 | 2,83 | 3,85 | 5,03 | 6,36 | 7,85 | 9,50 | 11,31 |
| 105 | 2,69 | 3,67 | 4,79 | 6,06 | 7,48 | 9,05 | 10,77 |
| 110 | 2,57 | 3,50 | 4,57 | 5,78 | 7,14 | 8,64 | 10,28 |
| 115 | 2,46 | 3,35 | 4,37 | 5,53 | 6,83 | 8,26 | 9,83 |
| 120 | 2,36 | 3,21 | 4,19 | 5,30 | 6,54 | 7,92 | 9,42 |
| 125 | 2,26 | 3,08 | 4,02 | 5,09 | 6,28 | 7,60 | 9,05 |
| 130 | 2,17 | 2,96 | 3,87 | 4,89 | 6,04 | 7,31 | 8,70 |
| 135 | 2,09 | 2,85 | 3,72 | 4,71 | 5,82 | 7,04 | 8,38 |
| 140 | 2,02 | 2,75 | 3,59 | 4,54 | 5,61 | 6,79 | 8,08 |
| 145 | 1,95 | 2,65 | 3,47 | 4,39 | 5,42 | 6,55 | 7,80 |
| 150 | 1,88 | 2,57 | 3,35 | 4,24 | 5,24 | 6,34 | 7,54 |
| > 150 | in 5 mm steps | | | | | | |

# SPECIAL MESH CROSS WIRE

## CROSS WIRE

Wire spacing - wire diameter - cross sections

## DIMENSIONS AND WEIGHTS

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| $d_s$ [mm] Nominal diameter | 6,0 | 7,0 | 8,0 | 9,0 | 10,0 | 11,0 | 12,0 |
| $A_s$ [cm²] Nominal cross section | 0,283 | 0,385 | 0,503 | 0,636 | 0,785 | 0,950 | 1,131 |
| G [kg/m] Nominal weight | 0,222 | 0,302 | 0,395 | 0,499 | 0,617 | 0,746 | 0,888 |

## WELDABILITY ACCORDING DIN 488

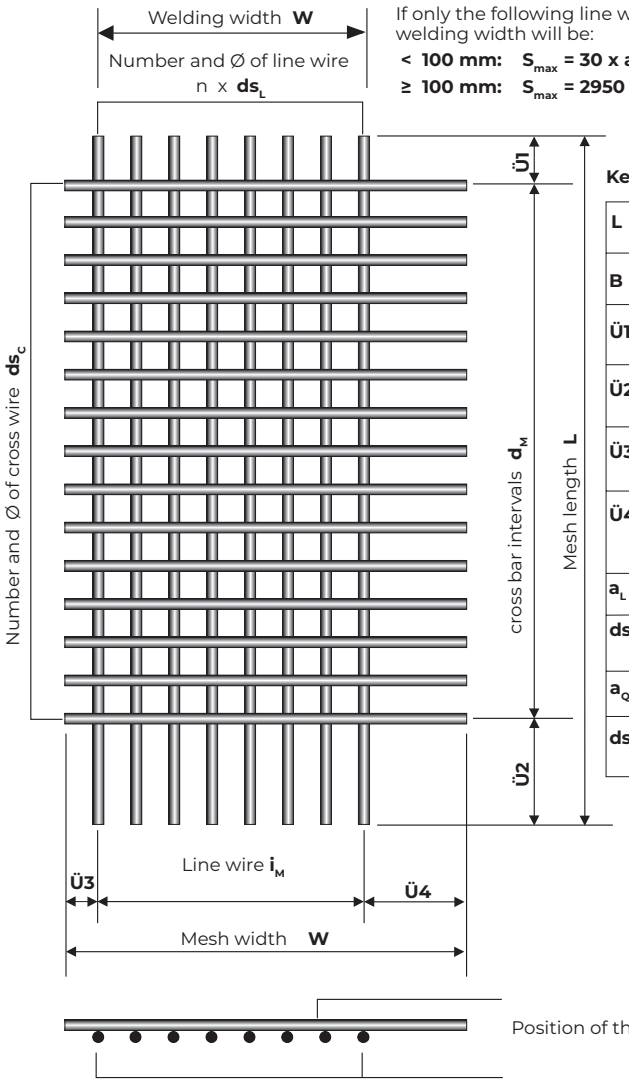
| Cross wire Ø in mm | | | | | | | Line wire Single bar Ø in mm |
|---|---|---|---|---|---|---|---|
| 6,0 | 7,0 | 8,0 | 9,0 | 10,0 | 11,0 | 12,0 | |
| X | X | X | | | | | 6,0 |
| X | X | X | X | X | | | 7,0 |
| X | X | X | X | X | X | | 8,0 |
| | X | X | X | X | X | X | 9,0 |
| | X | X | X | X | X | X | 10,0 |
| | | X | X | X | X | X | 11,0 |
| | | | X | X | X | X | 12,0 |

| Cross wire Ø in mm | | | | | | | Line wire Double bar Ø in mm |
|---|---|---|---|---|---|---|---|
| 6,0 | 7,0 | 8,0 | 9,0 | 10,0 | 11,0 | 12,0 | |
| X | X | X | | | | | 6,0 d |
| X | X | X | X | X | | | 7,0 d |
| | X | X | X | X | X | | 8,0 d |
| | | X | X | X | X | X | 9,0 d |
| | | X | X | X | X | X | 10,0 d |
| | | | X | X | X | X | 11,0 d |
| | | | | X | X | X | 12,0 d |

# SPECIAL MESH

## STRUCTURE, TERMINOLOGY AND DESCRIPTION

**The welding width W is the space between the first and last line wire. 30 meshes can be created. A special mesh then contains on 31 bars (single or double). Other specifications on request.**




**Key for illustration:**

| | |
|---|---|
| **L** | Mesh length, from 4.00 m to 12.00 m<br>Other lengths on request. |
| **B** | Mesh width, from 1.20 m to 3.00 m<br>Other widths on request. |
| **Ü1** | Overhang at the mesh start, defines the position of the first cross wire, min. and max. on request |
| **Ü2** | Overhang at the mesh end, defines the position of the last cross wire, min. and max. on request |
| **Ü3** | Overhang at the left mesh edge, defines the position of the first line wire, min. and max. on request |
| **Ü4** | Overhang at the right mesh edge, defines the position of the last line wire, min. and max. on request |
| **$a_L$** | Line wire space can be chosen |
| **$ds_L$** | Line wire diameter can be chosen |
| **$a_Q$** | Cross wire can be chosen |
| **$ds_Q$** | Cross wire diameter can be chosen |

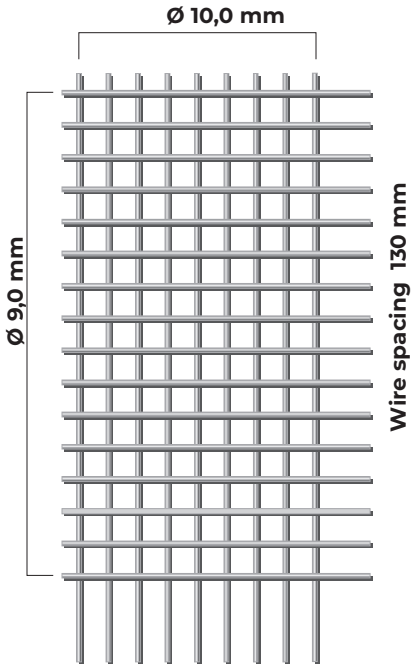


Position of the line wire or cross wire can be specified on request

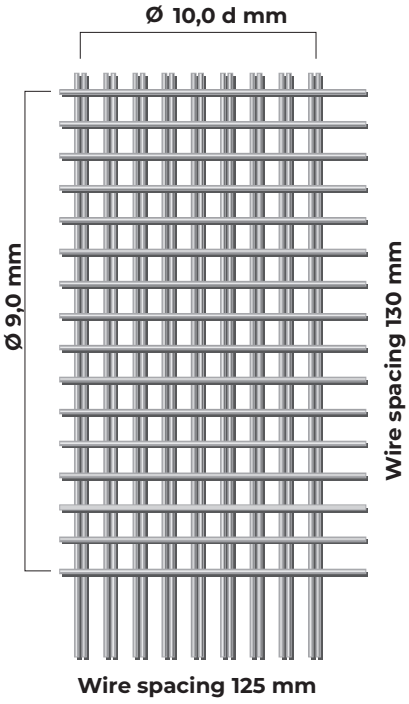
# SPECIAL MESH

## OPTIONS FOR WIRE SPACING WITHOUT GRID

### Single bar meshes

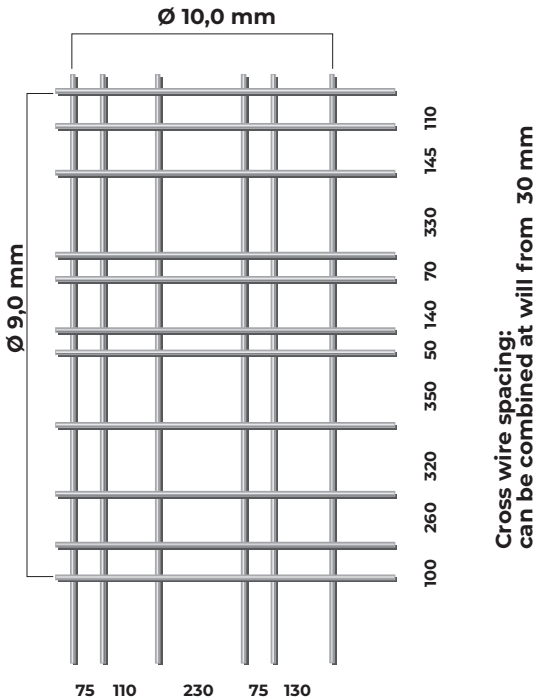



### Double bar meshes



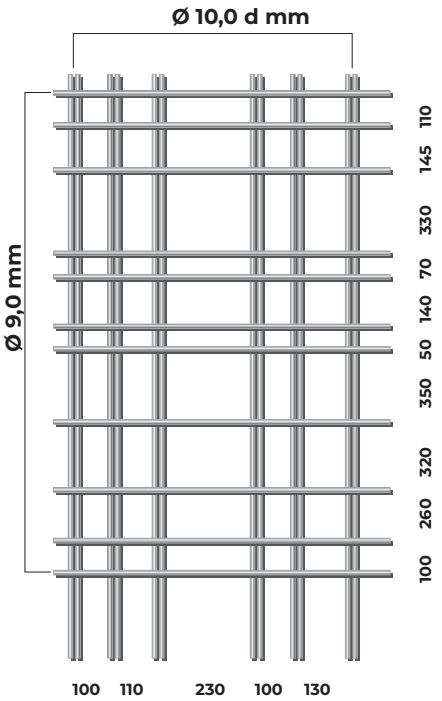

Double bars
are single bars of the same diameter that are closely packed toghether.
Double bar design can only be implemented for main bars.

### Line wire spacing:
Can be combined at will from 50 mm




Cross wire spacing:
can be combined at will from 30 mm

### Line wire spacing:
Can be combined at will from 75 mm




Cross wire spacing
can be combined at will from 50 mm