

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

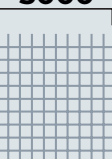
LINE WIRE - SINGLE BARS

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		
> 150	in 5 mm steps							* Other widths on Request	

SPECIAL MESH LINE WIRE

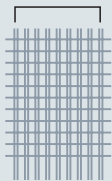
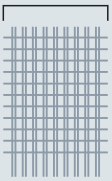
LINE WIRE - DOUBLE BARS

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		
> 150	in 5 mm steps								* Other widths on Request

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 cm ² /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 [cm ²] 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

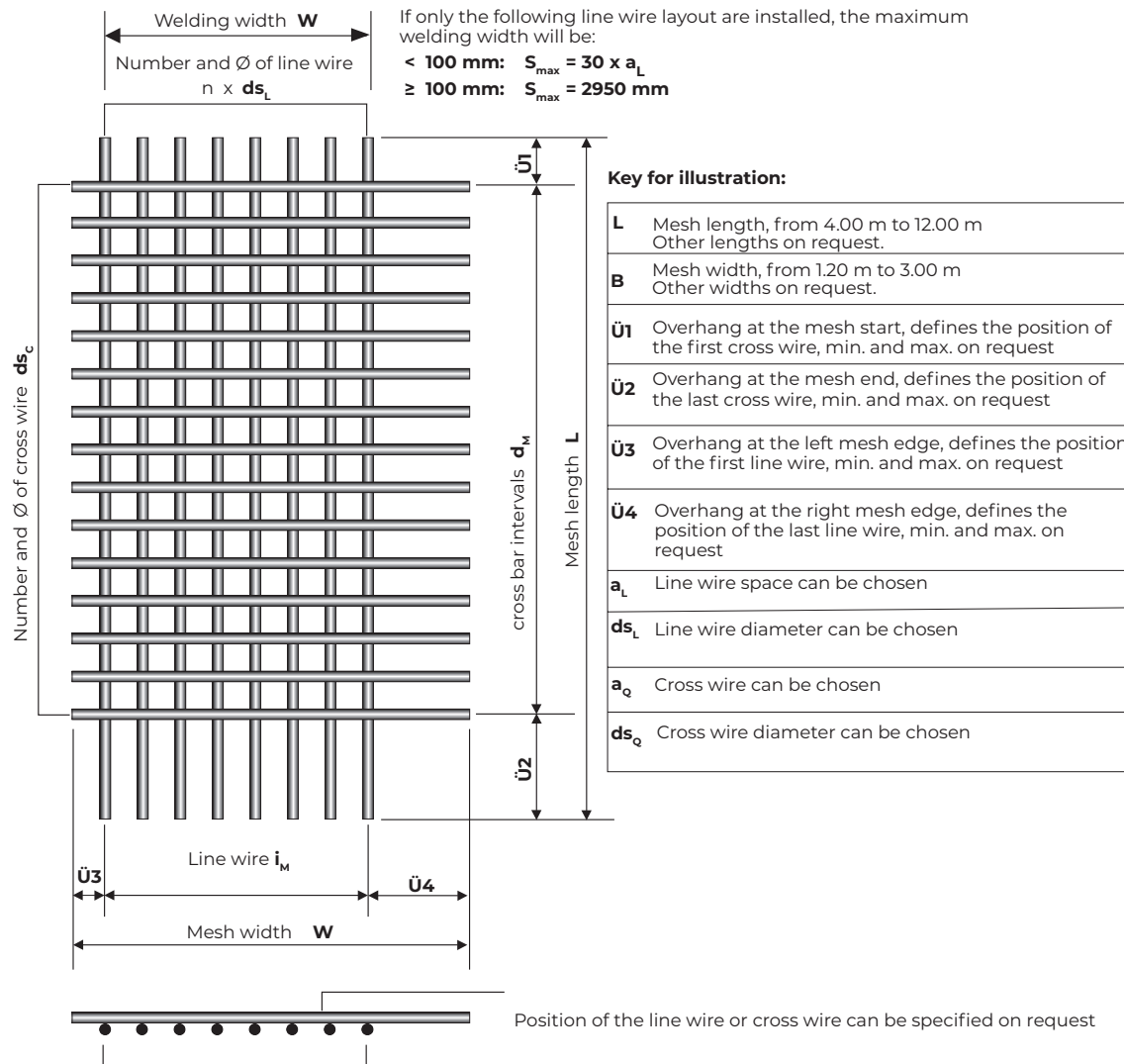
WELDABILITY ACCORDING DIN 488

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

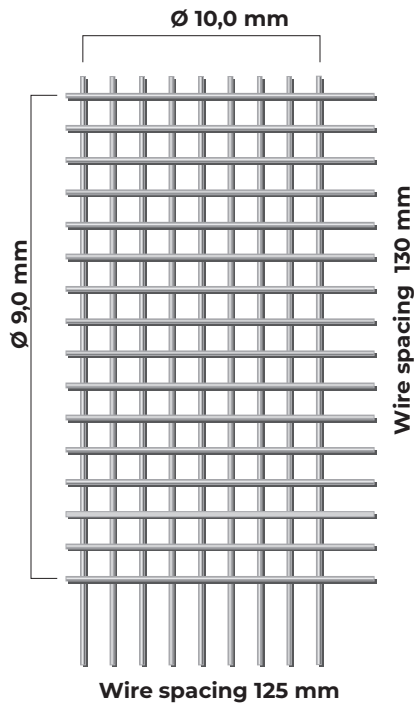
The welding width W is the space between the first and last line wire. 30 meshes can be created. A special mesh then contains on 31 bars (single or double). Other specifications on request.



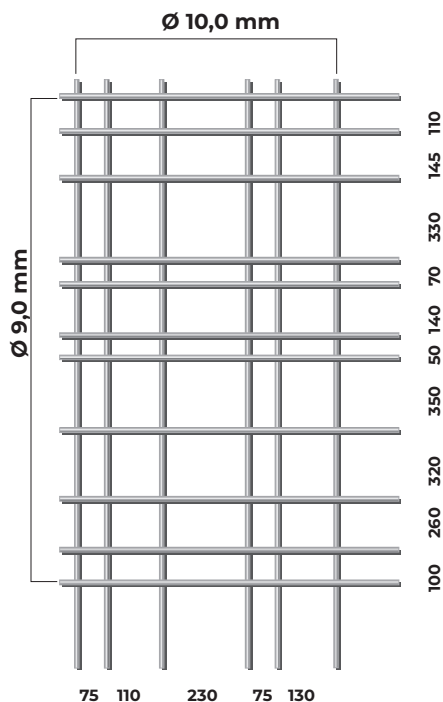
SPECIAL MESH

OPTIONS FOR WIRE SPACING WITHOUT GRID

Single bar meshes

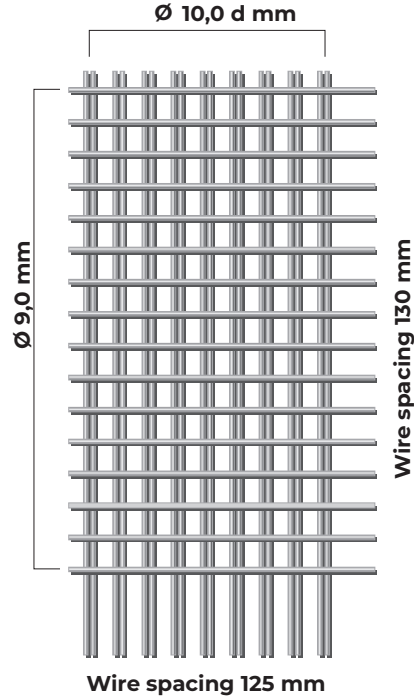


Line wire spacing:
Can be combined at will from 50 mm

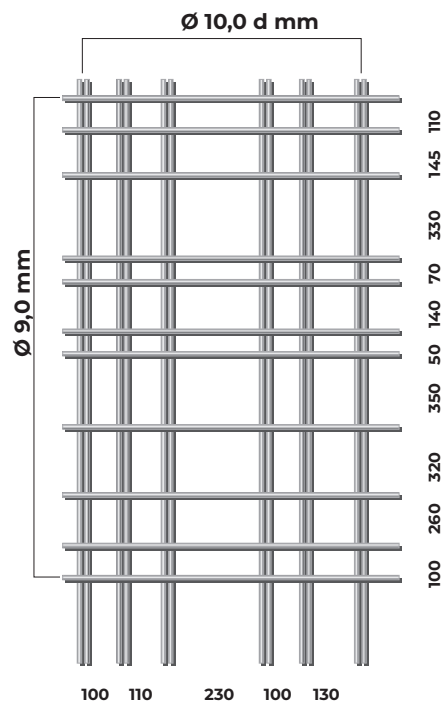


Cross wire spacing:
can be combined at will from 30 mm

Double bar meshes



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



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

Cross wire spacing
can be combined at will from 50 mm