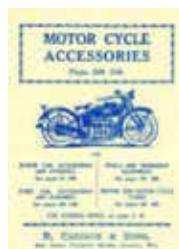


**cadisch**  
PRECISION MESHES

# FAMILY BUSINESS ESTABLISHED IN 1883



Founder Richard Cadisch, 1883



First factory, Red Lion Square, London

Cadisch Precision Meshes Limited was founded in 1883 and has been owned and managed successfully by five generations of the Cadisch family. We have held three Royal Warrants of Appointment and export our products throughout the world.

We are a supplier of woven wire mesh, synthetic filter fabrics and allied products used in the filtration, separation and screen printing industries. We are proud to be able to cater for our customers' individual requirements. Designs can be made from any of our range of filter cloths, and we would be happy to quote against your specific drawing, sketch or sample.

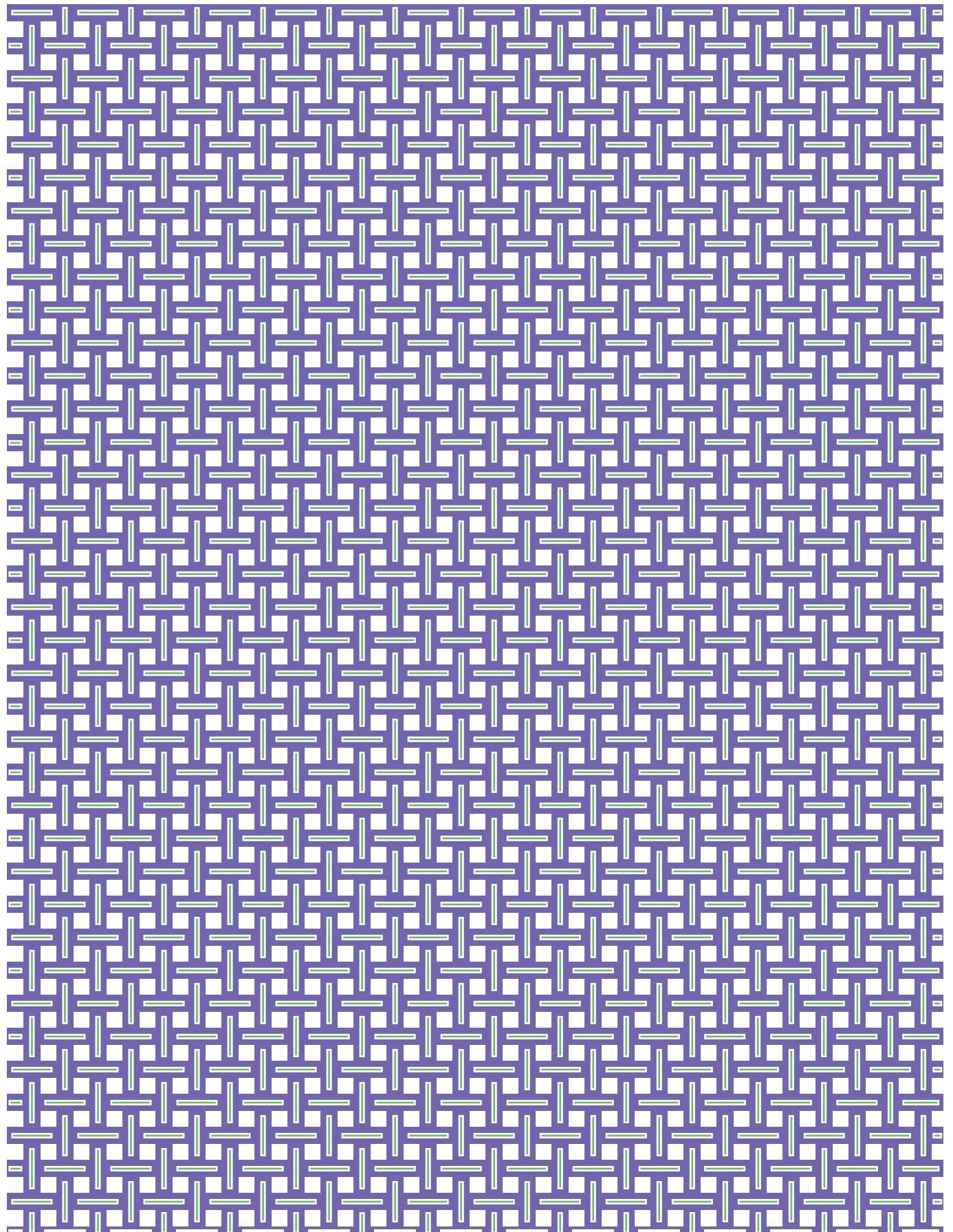
Cadisch is located in modern freehold premises with state-of-the-art equipment, and we have invested heavily in technology to ensure that our customers receive a high quality, competitively priced product.

We are committed to a continuous improvement to our quality, training and environmental policies which enables us to give a very personal, comprehensive and efficient service to all our customers.

Broad experience in many different industries coupled with the knowledge of our specialised technical and sales teams will enable us to supply the most cost-effective solution to your requirements.



**CALL OUR SALES LINE ON  
+44(0)20 8492 0444  
[sales@cadisch.com](mailto:sales@cadisch.com)  
[www.cadisch.com](http://www.cadisch.com)**



---

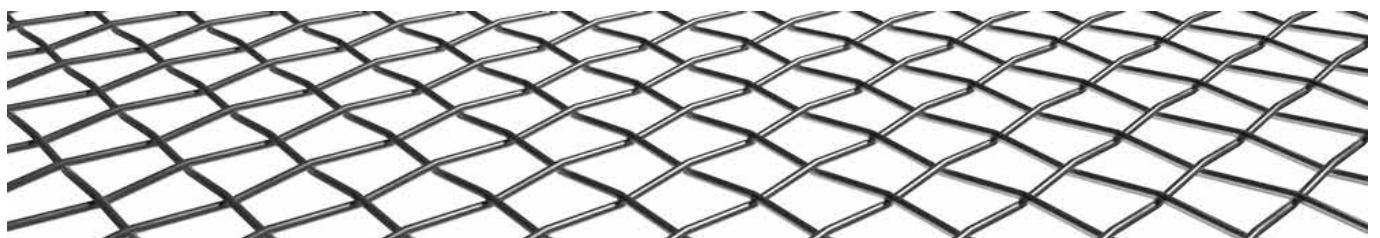
**WOVEN WIRE MESH** ● ● ● ● **cadisch**  
PRECISION MESHES

---

# WOVEN WIRE MESH

Sometimes known as wire gauze or wirecloth – is an extremely versatile material suitable for many sieving, straining and filtering applications. It is woven to fine limits and can be used to separate out particles of a given size.

We are specialist suppliers of woven wire mesh, carry very large stocks, in a variety of different metals, and can offer a rapid and efficient service.



## METALS

We hold stocks of mesh in the following metals:

**STAINLESS STEEL//**Withstands temperatures up to 800° C. By far the most popular where strength and durability are of prime importance. All standard meshes are stocked in Type 304 quality, and many are also available in Type 316 which is more resistant to corrosion. Certain other qualities obtainable to special order.

Range: 2-500 mesh and Hollanders.

**PLAIN STEEL//**A low price material for use where corrosion resistance is not important. Mostly supplied plain, but certain meshes also available galvanised. (zinc coated)

Range: 2-80 mesh.h

**MONEL//**An alloy of nickel and copper (70/30 approx.) which combines strength with excellent resistance to acids, alkalis, sea water, etc.

Range: 20-250 mesh and Hollanders.

**PHOSPHOR BRONZE//**An alloy of copper and tin which is strong and durable and will resist diluted acids and alkalis. Easily soldered.

Range: 30-200 mesh.

**BRASS AND COPPER//**Brass, an alloy of copper and zinc, is harder but more subject to corrosion. Copper is less corrodible but, because of its softness, should not be used with abrasive substances. Both are easily soldered.

Range: 4-100 mesh.

## DEFINITIONS

**MESH COUNT//**The number of apertures or wires in a linear inch. Most meshes are square woven and will have the same count in both warp and weft.

**WARP//**The wires running lengthwise in the mesh.

**WEFT (OR SHUTE)//**The wires running transversely across the mesh.

**OPEN (OR FREE) AREA//**The proportion of aperture expressed as a percentage of the whole area.

**SELVEDGE//**The finished edge formed by looped weft wires at either side of the cloth. Some modern shuttleless looms do not produce a looped selvedge.

# SPECIFICATIONS

**CHOOSING A MESH//** Any required mesh count can be achieved using a number of different wire diameters, but certain combinations of mesh count and wire diameter have been accepted as standards throughout industry. These are underlined in our mesh table and are generally held in stock. The combination of mesh count and wire diameter determines the aperture, the open area and the strength of the material. For any mesh, a thicker wire will provide a more robust weave but the aperture and open area will be reduced, giving a slower flow rate to the material passing through. Using a thinner wire the converse will apply. If a non-standard mesh is required, it can generally be specially woven provided the quantity is sufficient. Our table indicates the range of meshes which are technically feasible. Mesh counts are generally quoted per inch, and lengths and widths are given in metric or imperial. This contrasts with the continent of Europe where the size of mesh is normally defined by the aperture in mm. or microns rather than the mesh count, and all other measurements are metric.

**SIZES AND SHAPES//** Wire mesh is woven in rolls approximately 100 ft. long and generally in widths of 36", 1m or 48", although wider or narrower widths are sometimes available. We can supply any length in the loom width, and other widths can be cut to special order. Cut pieces of mesh can be supplied to your measurements or templates in any shape and quantity.

**PRICES//** Woven wire mesh is priced by the square foot or square metre and price varies according to the quantity ordered.

**SCREEN PRINTING MESH//** We can supply fine stainless steel mesh for screen process printing. The mesh is specially selected for its quality of weaving and freedom from blemish, and is ideal where stability and fine definition are paramount, e.g. in printed circuit work. The mesh range normally used is 165-325 plain weave.

(see separate screen printing brochure.)

## USEFUL FORMULAE

$$\text{aperture (in mm)} = 1/M - d$$

where 'M' = mesh count per mm  
and 'd' = wire diameter in mm.

$$\text{open area \%} = [a^2/(a+d)^2] \times 100$$

where 'a' = aperture in mm  
and 'd' = wire diameter in mm.

MESH COUNT	WIRE DIAMETER		APERTURE		OPEN AREA %
	B.S. (mm)	old SWG	(mm)	(in.)	
2	3.15	(10)	9.55	0.376	57
2	2.80	(11)	9.90	0.390	61
2	2.50	(12)	10.20	0.401	64
2	2.24	(13)	10.46	0.412	68
2	2.00	(14)	10.70	0.421	71
2	1.80	(15)	10.90	0.429	74
2	1.60	(16)	11.10	0.437	76
2	1.40	(17)	11.30	0.445	79
2	1.25	(18)	11.45	0.451	81
3	2.50	(12)	5.97	0.235	50
3	2.24	(13)	6.23	0.245	54
3	2.00	(14)	6.47	0.254	58
3	1.80	(15)	6.67	0.262	62
3	1.60	(16)	6.87	0.270	66
3	1.40	(17)	7.07	0.278	70
3	1.25	(18)	7.22	0.284	73
4	2.50	(12)	3.85	0.151	37
4	2.24	(13)	4.11	0.162	42
4	2.00	(14)	4.35	0.171	47
4	1.80	(15)	4.55	0.179	51
4	1.60	(16)	4.75	0.187	56
4	1.40	(17)	4.95	0.195	61
4	1.25	(18)	5.10	0.201	64
4	1.00	(19)	5.35	0.211	71
4	0.90	(20)	5.45	0.214	74
5	1.25	(18)	3.83	0.151	57
5	1.00	(19)	4.08	0.161	64
5	0.90	(20)	4.18	0.164	68
6	1.80	(15)	2.43	0.096	33
6	1.60	(16)	2.63	0.104	39
6	1.40	(17)	2.83	0.111	45
6	1.25	(18)	2.98	0.117	50
6	1.00	(19)	3.23	0.127	58
6	0.90	(20)	3.33	0.131	62
6	0.80	(21)	3.43	0.135	66
6	0.71	(22)	3.52	0.139	69

MESH COUNT	WIRE DIAMETER		APERTURE		OPEN AREA %
	B.S. (mm)	old SWG	(mm)	(in.)	
8	1.25	(18)	1.93	0.076	37
8	1.12	(18.5)	2.06	0.081	42
8	1.00	(19)	2.18	0.086	47
8	0.90	(20)	2.28	0.089	51
8	0.80	(21)	2.38	0.093	56
8	0.71	(22)	2.47	0.097	60
8	0.63	(23)	2.55	0.100	64
8	0.56	(24)	2.62	0.103	68
8	0.50	(25)	2.68	0.105	71
10	1.25	(18)	1.29	0.051	26
10	1.12	(18.5)	1.42	0.056	31
10	1.00	(19)	1.54	0.061	37
10	0.90	(20)	1.64	0.064	42
10	0.80	(21)	1.74	0.068	47
10	0.71	(22)	1.83	0.072	52
10	0.63	(23)	1.91	0.075	56
10	0.56	(24)	1.98	0.078	61
10	0.50	(25)	2.04	0.080	64
12	1.00	(19)	1.12	0.044	28
12	0.90	(20)	1.22	0.048	33
12	0.80	(21)	1.32	0.052	39
12	0.71	(22)	1.41	0.055	44
12	0.63	(23)	1.49	0.058	49
12	0.56	(24)	1.56	0.061	54
12	0.50	(25)	1.62	0.064	58
12	0.45	(26)	1.67	0.065	62
12	0.40	(27)	1.72	0.067	66
14	0.56	(24)	1.25	0.049	48
14	0.50	(25)	1.31	0.052	52
14	0.45	(26)	1.36	0.054	56
14	0.40	(27)	1.41	0.056	61
14	0.335	(28.5)	1.46	0.057	65
16	0.80	(21)	0.79	0.031	24
16	0.71	(22)	0.88	0.034	30
16	0.63	(23)	0.96	0.038	36
16	0.56	(24)	1.03	0.040	42

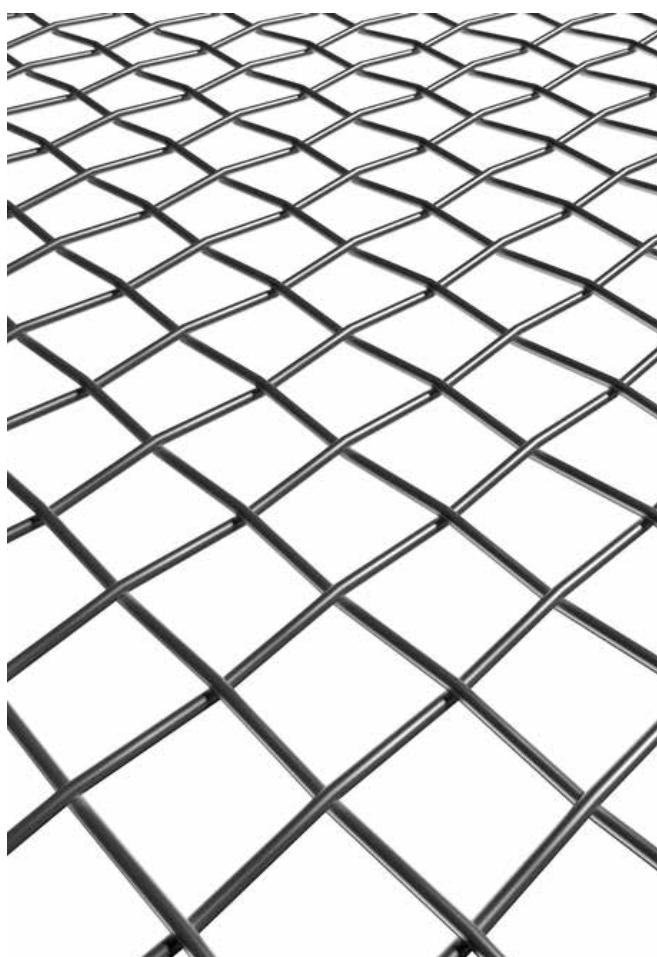
MESH COUNT	WIRE DIAMETER		APERTURE		OPEN AREA %
	B.S. (mm)	old SWG	(mm)	(in.)	
16	0.50	(25)	1.09	0.043	47
16	0.45	(26)	1.14	0.045	51
16	0.40	(27)	1.19	0.047	56
16	0.355	(28.5)	1.23	0.048	60
16	0.315	(30)	1.27	0.050	64
18	0.50	(25)	0.91	0.036	42
18	0.45	(26)	0.96	0.038	46
18	0.40	(27)	1.01	0.040	51
18	0.355	(28.5)	1.06	0.041	56
18	0.315	(30)	1.10	0.043	60
20	0.71	(22)	0.56	0.022	19
20	0.63	(23)	0.64	0.025	25
20	0.56	(24)	0.71	0.028	31
20	0.50	(25)	0.77	0.030	37
20	0.45	(26)	0.82	0.032	42
20	0.40	(27)	0.87	0.034	47
20	0.355	(28.5)	0.92	0.036	51
20	0.315	(30)	0.96	0.037	56
24	0.40	(27)	0.66	0.026	39
24	0.355	(28.5)	0.70	0.028	44
24	0.315	(30)	0.74	0.029	49
24	0.28	(31.5)	0.78	0.031	54
28	0.40	(27)	0.51	0.020	31
28	0.355	(28.5)	0.55	0.022	37
28	0.315	(30)	0.59	0.023	43
28	0.28	(31.5)	0.63	0.025	48
30	0.355	(28.5)	0.49	0.019	34
30	0.315	(30)	0.53	0.021	39
30	0.28	(31.5)	0.57	0.022	45
30	0.25	(33)	0.60	0.024	50
30	0.224	(34)	0.62	0.025	54
36	0.315	(30)	0.39	0.0154	31
36	0.28	(31.5)	0.43	0.0167	36
36	0.25	(33)	0.46	0.0179	42
36	0.224	(34)	0.48	0.0189	47
40	0.28	(31.5)	0.36	0.0140	31

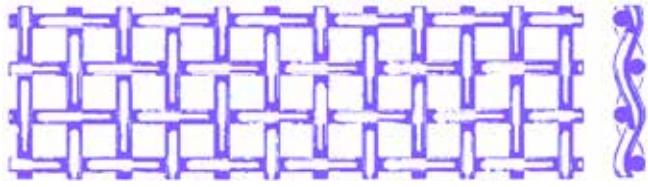
MESH COUNT	WIRE DIAMETER		APERTURE		OPEN AREA %
	B.S. (mm)	old SWG	(mm)	(in.)	
40	0.25	(33)	0.39	0.0151	37
40	0.224	(34)	0.41	0.0162	42
40	0.20	(35)	0.44	0.0171	47
40	0.18	(36)	0.46	0.0179	51
40	0.16	(37.5)	0.48	0.0187	56
50	0.224	(34)	0.28	0.0112	31
50	0.20	(35)	0.31	0.0121	37
50	0.18	(36)	0.33	0.0129	42
50	0.16	(37.5)	0.35	0.0137	47
50	0.15	(38)	0.36	0.0141	49
60	0.20	(35)	0.22	0.0088	28
60	0.18	(36)	0.24	0.0096	33
60	0.16	(37.5)	0.26	0.0103	39
60	0.14	(39)	0.28	0.0111	45
70	0.15	(38)	0.212	0.0083	34
70	0.14	(39)	0.223	0.0090	38
70	0.125	(40)	0.238	0.0094	43
80	0.16	(37.5)	0.158	0.0062	25
80	0.14	(39)	0.178	0.0070	31
80	0.125	(40)	0.193	0.0076	37
90	0.14	(39)	0.142	0.0056	25
90	0.125	(40)	0.157	0.0062	31
90	0.112	(41)	0.170	0.0067	36
100	0.112	(41)	0.142	0.0056	31
100	0.10	(42)	0.154	0.0061	37
100	0.09	(43)	0.164	0.0064	42
100	0.08	(44)	0.174	0.0068	47
120	0.09	(43)	0.122	0.0048	33
120	0.08	(44)	0.132	0.0052	39
140	0.08	(44)	0.101	0.0040	31
150	0.071	(45)	0.098	0.0039	34
150	0.065	(46)	0.109	0.0043	42
165	0.05	(47)	0.104	0.0041	46
180	0.06	(46)	0.081	0.0032	33
180	0.05	(47)	0.091	0.0036	42
200	0.05	(47)	0.077	0.0030	37

MESH COUNT	WIRE DIAMETER		APERTURE		OPEN AREA %
	B.S. (mm)	old SWG	(mm)	(in.)	
200	0.04	(48)	0.087	0.0034	47
230	0.035	(48.5)	0.075	0.0029	45
250	0.04	(48)	0.062	0.0024	37
270	0.035	(48.5)	0.059	0.0023	39
270	0.04	(48)	0.054	0.0021	33
300(T)	0.04	(48)	0.045	0.0017	28
300(T)	0.036	(48.5)	0.049	0.0019	33
325(T)	0.036	(48.5)	0.042	0.0016	29
325	0.028	(49.5)	0.050	0.0019	41
350(T)	0.030	(49)	0.043	0.0017	34
400(T)	0.030	(49)	0.034	0.0013	28
500(T)	0.025	(50)	0.026	0.0010	26

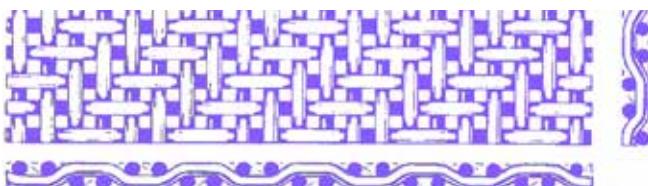
(T)=Twill Weave

PRINCIPLE STOCK SPECIFICATIONS INDICATED BY COLOURED BARS:

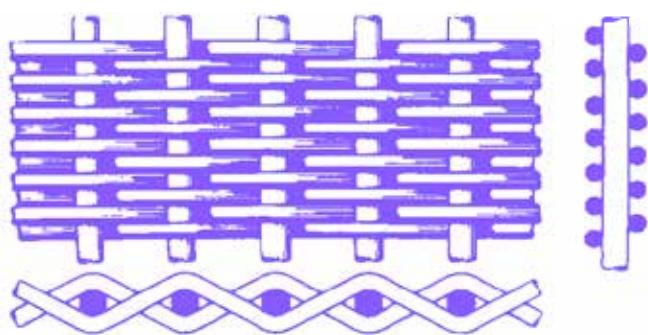




**PLAIN WEAVE** is woven from wires of the same diameter for both warp and weft, arranged in a symmetrical "over one and under one" pattern to provide square openings of precise dimensions. Plain mesh has great dimensional stability.



**TWILL WEAVE** is woven so that the individual wires in one direction pass over two and under the next two cross wires. It is less rigid than plain weave and is often used in very fine meshes.

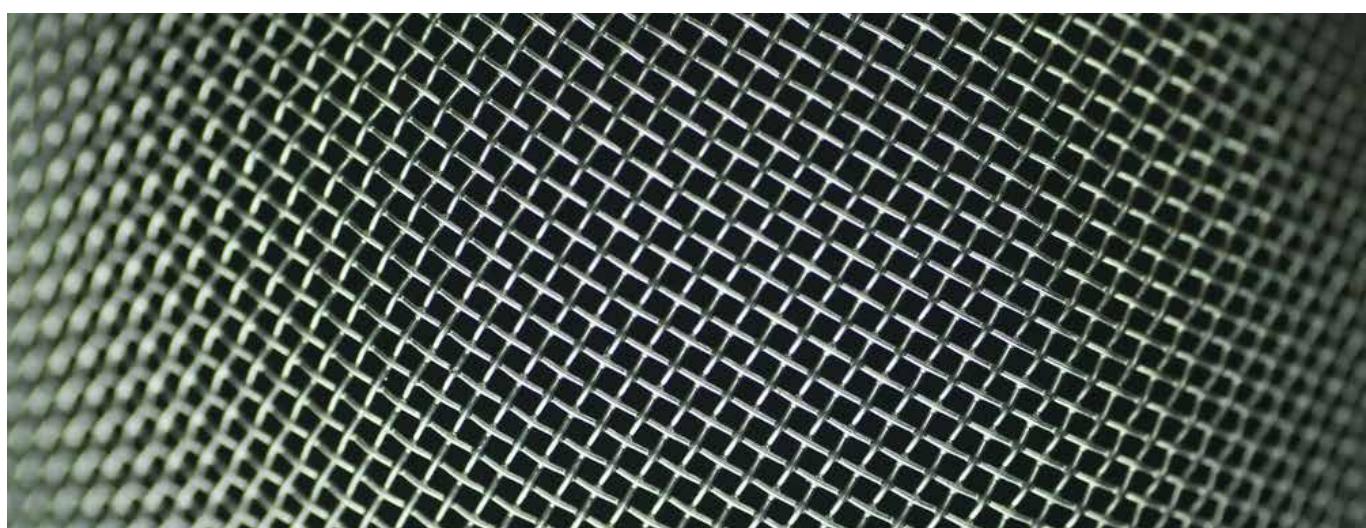


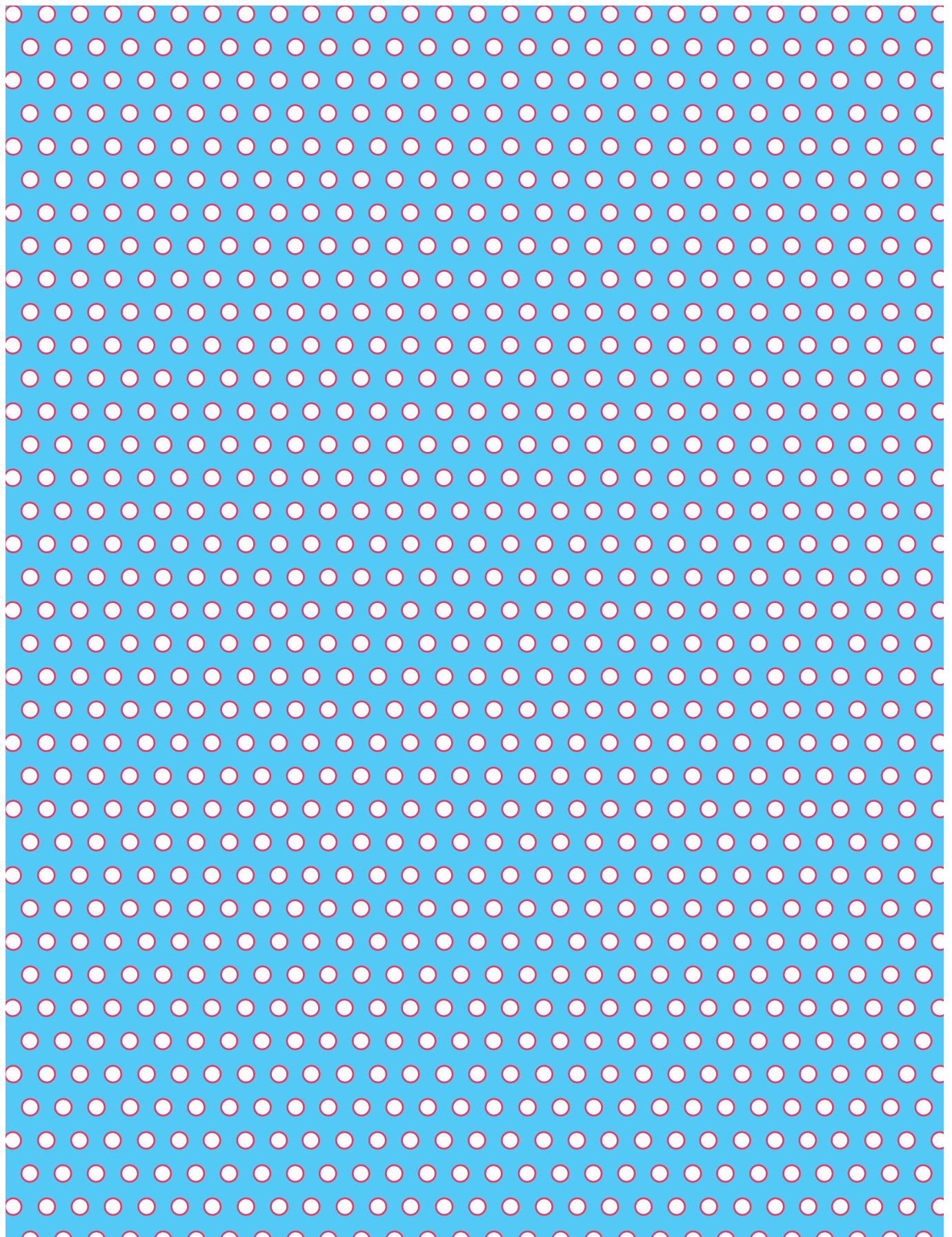
**HOLLANDER (DUTCH) WEAVE** is made with relatively thin weft wires packed closely together, and thicker more widely spaced warp wires. It resembles a 'basket' weave and does not have square apertures. Dimensionally very stable and having high bursting strength, it is suitable for pressure filtration where a large open area is not required.

Hollander cloth can be woven in plain, twill, or reverse twill format, in Stainless and Mild Steel.

HOLLANDER STOCK SPECIFICATIONS		
MESH COUNT WARP/WEFT	WIRE DIAMETER mm WARP/WEFT	NOMINAL APERTURE mm
12/72	0.50/0.375	0.300
14/88	0.50/0.30	0.200
24/110	0.355/0.25	0.125
50/250	0.14/0.11	0.063

PLAIN DUTCH WEAVE SPW					
MESH COUNT		WIRE DIA		MICRON RETENTION	
WARP	WEFT	WARP	WEFT		
80	400	0.125	0.071	40-45	40
80	300	0.125	0.09	45-50	45
50	280	0.14	0.1	50-55	50
50	250	0.14	0.112	52-57	55
40	200	0.18	0.14	70-80	70
30	150	0.22	0.175	90-105	90
24	110	0.32	0.24	110-125	105
24	110	0.36	0.25	115-128	110
20	150	0.25	0.18	155-165	120
16	120	0.36	0.24	180-198	150
14	110	0.38	0.25	220-238	200
12	95	0.5	0.3	220-240	220
12	64	0.6	0.42	260-280	250
10	88	0.5	0.33	270-295	265
10	70	0.6	0.4	310-330	300
10	56	0.71	0.5	300-320	305
8	85	0.36	0.33	300-320	310





---

**PERFORATED PLATE**



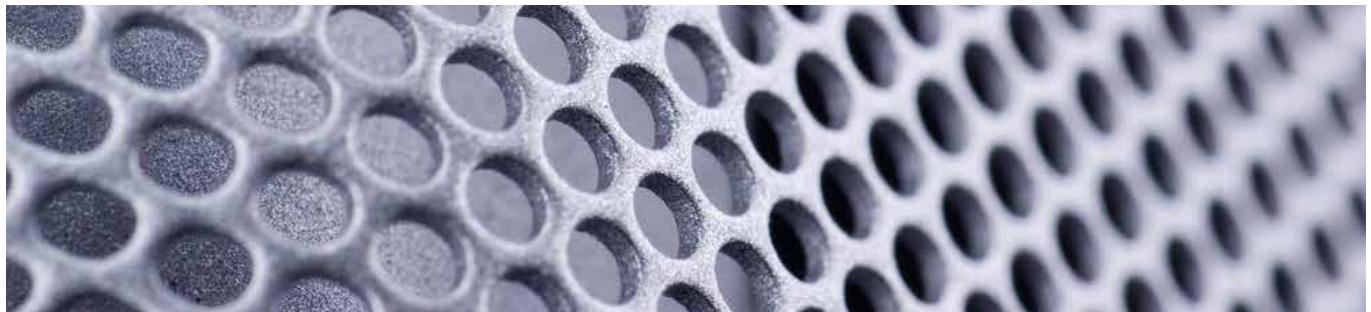
**cadisch**  
PRECISION MESHES

---

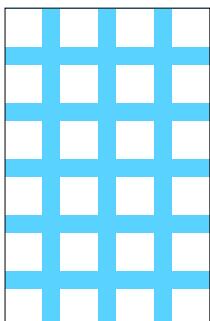
# PERFORATED PLATES

Perforated plate is manufactured by cold punching sheets of metal with an arrangement of holes of any shape and size in various patterns. There is a large variety and we only stock the more popular specifications although others are available to special order.

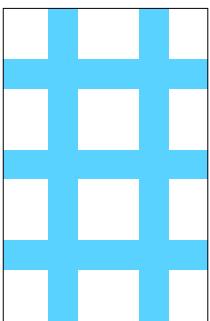
Perforated metals are used in a vast number of industries for sorting and screening any material from sugar and spice to sand and gravel. They are used extensively in heating and ventilating installations where they combine the practical with the ornamental.



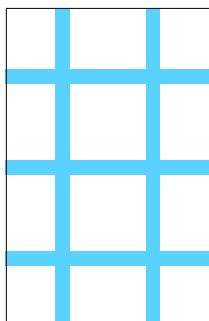
## A SELECTION OF PERFORATIONS AVAILABLE



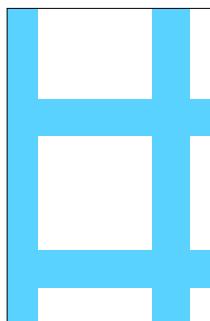
C-5mm, U-7.5mm



C-8mm, U-12mm



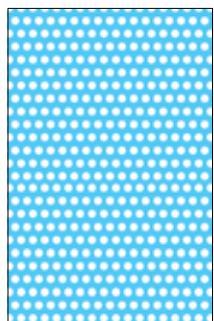
C-10mm, U-12mm



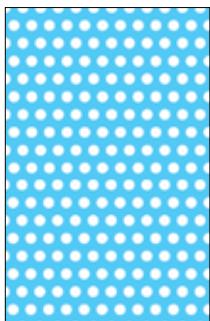
C-15mm, U-20mm



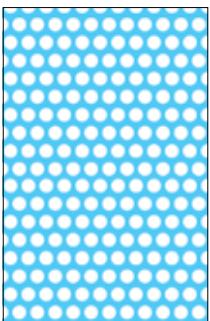
R-0.5mm, T-1.25mm



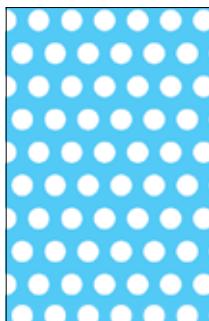
R-1mm, T-2mm



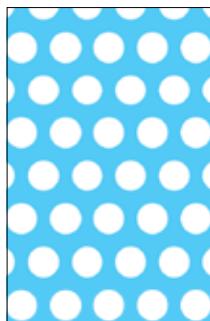
R-1.5mm, T-3mm



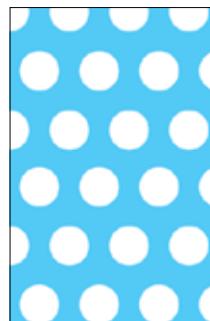
R-2mm, T-3mm



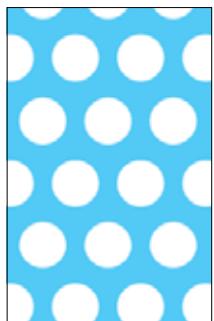
R-3mm, T-5mm



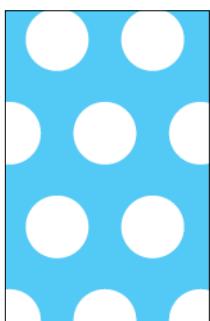
R-4mm, T-6mm



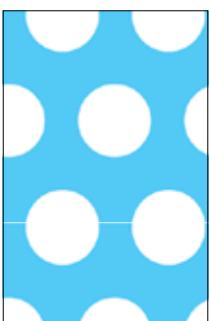
R-5mm, T-8mm



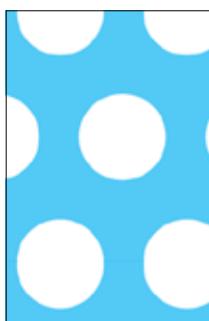
R-6mm, T-9mm



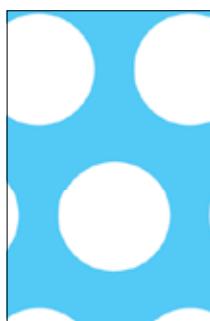
R-8mm, T-12mm



R-10mm, T-15mm



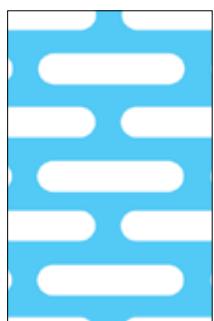
R-12mm, T-16mm



R-15mm, T-20mm



LR-20mm x 3mm

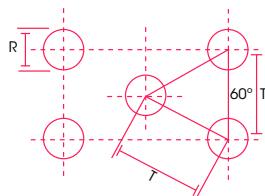


LR-20mm x 4mm

		STOCK ROUND HOLES (RT)																																		
HOLE SIZE (mm)	PITCH (mm)	OPEN AREA	STEEL								GALVANISED					ALUMINIUM				ALMG3																
R	T	%	0.5	0.75	1.0	1.5	2.0	2.5	3.0	4.0	5.0	6.0	8.0	10	0.5	0.75	1.0	1.5	2.0	3.0	0.7	0.8	1.0	1.5	2.0	3.0	1.0	1.5	2.0	3.0	5.0					
0.5	1	23	●																																	
0.6	1.25	21	●																																	
0.8	1.5	26	●	●																																
1	2	23	●	■	●																															
1.25	2.5	23			●																															
1.5	2.5	33	●	●	●	●																														
1.5	3	23	●	●	●	●																														
1.75	3.5	23	●	●	●																															
2	3	40		■	■	●																					●									
2	3.5	30	●	●	●	●	●	●	●																●	●										
2	4	23				●																														
2.25	4	29				●	■																													
2.5	3.5	46					●																													
2.5	4	35			●	●	■	●																												
2.5	4.5	28																																		
2.75	4.5	34				●	●																													
2.75	5	27																																		
3	4	51		■	■	●																														
3	4.5	40				●																														
3	5	33	●	●	●	●	□	●																												
3	6	23	●																								●	●	●	●						
3.25	5	38				■																														
3.5	5	44																									■	□								
3.5	5.5	36					●																													
3.5	6	31	●	●	●	●																														
3.75	5	51	●																																	
3.75	6	35					●																													
4	5	58																																		
4	6	40	●	●	●	●	□	●																												
4	7	30						●	●																											
4.5	7	37						●																												
4.5	6	51	●																																	
4.5	7.5	33							●																											
5	6	63			●																															
5	7	46		●	●																															
5	8	35	●	●	●	●	□	●																			●	□	●	●	●					
5.5	9	34																																		
6	8	51	●																																	
6	9	40		●	□	●	□	●																												
6	10	33							●																											
6.5	9.5	43		●																																
7	9	55		●				●																												
7	10	44																																		
8	10	58	●																																	
8	11	48		●	●	●																														
8	12	40		●	●	●	●																													
8	14	30								●	●	●																								
8	16	23										●																								
9	13	43							●			●																								
9	14	38		●																																
9.5	13	48		●																																
10	12	62																																		
10	14	46		●	●	●	●																													
10	15	40		●	●	●	●	□	●																											
10	18	28																	●																	

more... >

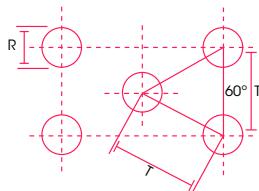
		STOCK ROUND HOLES (RT)																																		
HOLE SIZE(mm)	PITCH (mm)	OPEN AREA	STEEL									GALVANISED						ALUMINIUM				ALMG3														
			0.5	0.75	1.0	1.5	2.0	2.5	3.0	4.0	5.0	6.0	8.0	10	0.5	0.75	1.0	1.5	2.0	3.0	0.7	0.8	1.0	1.5	2.0	3.0	1.0	1.5	2.0	3.0	5.0					
▲ R	T	%																																		
10	20	23													●																					
11.25	16	45																																		
12	15	58																																		
12	16	51	●	●	●																															
12	20	33													●	●	●																			
12.75	16	58																																		
14	18	55	●																																	
15	19	57																																		
15	20	51	●																																	
15	21	45	●	●	□																															
15	25	33													●	●																				
16	22	48	●																																	
18	24	51																																		
20	25	58	●																																	
20	26	54													●																					
20	27	50																																		
20	28	46	●	●	●																															
22	29	52	□	□																																
25	35	46													●																					
30	35	67													●																					
30	40	49			■																															
40	50	58													●																					
50	60	63													●	●																				
70	80	69													●																					



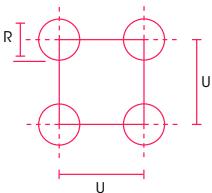
		STOCK ROUND HOLES (RT)																																			
HOLE SIZE (mm)	PITCH (mm)	OPEN AREA	STAINLESS STEEL 304									304L			ALL 316L				321		BRASS		316Ti		COOPPER												
R	T	%	0.4	0.5	0.6	0.8	1.0	1.5	2.0	3.0	4.0	1.0	1.5	0.5	0.8	1.0	1.5	2.0	3.0	1.5	2.0	0.4	0.8	1.0	1.5	1.0	1.5	0.6	0.7								
0.4	1.25	9	●																																		
0.5	1.25	14.5	●																																		
0.6	1	32.5	●																																		
0.6	1.25	21																																			
0.6	1.5	15	●																																		
0.75	1.5	23			●																																
0.8	1.5	26			●																																
1	1.5	40																																			
1	2	23	●																																		
1.2	2.25	32													●																						
1.25	2.5	23													■																						
1.5	2.5	33	●												●	●																					
1.5	3	23			●	●	●																														
2	3	40			●										●	●																					
2	3.5	30	●		●	●	●	●	●	●	●																										

more... >

STOCK ROUND HOLES (RT)																																			
HOLE SIZE (mm)	PITCH (mm)	OPEN AREA	STAINLESS STEEL 304						304L		ALL 316L			321		BRASS		316Ti		COOPPER															
R	T	%	0.4	0.5	0.6	0.8	1.0	1.5	2.0	3.0	4.0	1.0	1.5	0.5	0.8	1.0	1.5	2.0	3.0	1.5	2.0	0.4	0.8	1.0	1.5	1.0	1.5	0.6	0.7						
2.5	4	35			●																														
2.75	4.5	34							●																										
3	4	51						●																	●	●									
3	4.5	40							●																										
3	5	33	●		●	●	●	●	●	●	●						●	●	●	●			●		●	●									
3.5	5	44						●																											
4	5	58							●	●	●																●	●							
4	6	40							●	●	●																								
4.5	6	51							●																										
5	7	45	●																								●	●							
5	8	35			●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●							
6	7.25	62							●																										
6	8	60							●																										
6	9	40							●	●	●																								
7	9	55							●	●	●																								
8	10	57																												●					
8	11	47							●	●	●																								
8	12	40							●	●	●																								
10	13	63							●																										
10	14	46							●	●	●																								
10	15	40							●	●	●																								
12	16	51							●																										
15	20	51								●	●																								
15	21	45								●																									
20	28	46							●	●																									



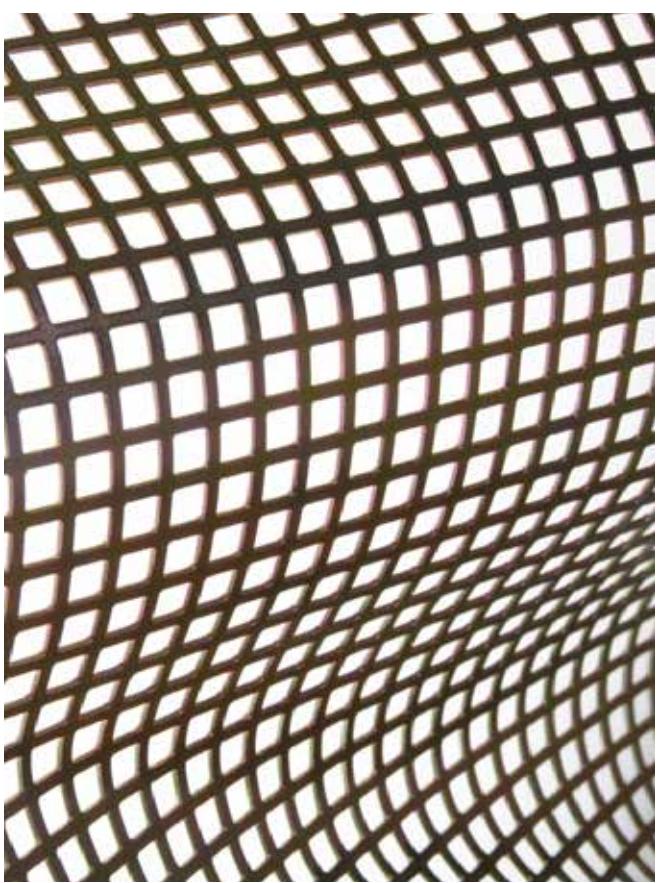
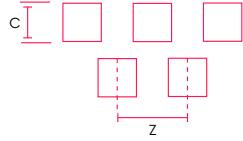
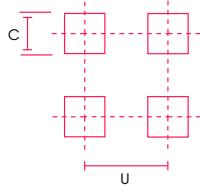
STOCK ROUND HOLES (RU)									
HOLE SIZE (mm)	PITCH (mm)	OPEN AREA	STEEL			GALVANISED		ALUMINIUM	STAINLESS STEEL 304
R	T	%	1	1.5	2	1	1.5	2	1.5
3.45	5	37			●			●	
4.5	15	7	●	■	●	●	■	●	●
5	25	3	●	●					
10	15	34							●
10	25.98	11			●				
10	20.78	18			●			●	
10	36.38	13			●			●	
15	36.38	13			●			●	
20	48.5	13			●			●	



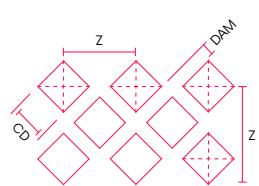
- = 2m x 1m
- = 2.5m x 1.25m
- = 3m x 1.5m

▲ = thickness of sheet

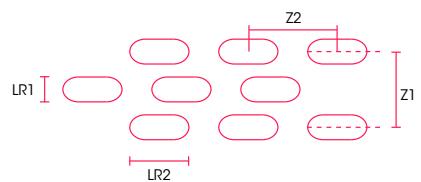
STOCK SQUARE HOLES (CU)																																			
HOLE SIZE(mm)	PITCH (mm)	OPEN AREA	STEEL				GALVANISED			ALUMINIUM			AL MG3	STAINLESS STEEL 304		STAINLESS STEEL 316L		316TI	BRASS																
C	U	%	0.75	1.0	1.5	2.0	3.0	0.75	1.0	1.5	2.0	0.8	1.0	1.5	2.0	3.0	1.5	2.0	0.5	0.8	1.0	1.5	2.0	1.0	2.0	3.0	1.0	1.5	3.0	0.8	1.0				
3	5	36	●	●																															
4	7	32		●	●																														
5	7	51				●																													
5	7.5	45	●	●	●	●	●		■	●			●	●	●	●				●	●	●	●	●	●	●	●	●	●	●					
5	8	38		●	●	□	●		●	●			●	●	●	●			●	●	●	●	●	●	●	●	●	●	●	●					
5	16	10																	●																
6	9	44		●	●	●	●													●															
7	10	48																■																	
8	10	64		●	●	●	●																												
8	11	53		●																															
8	12	44		●	●	□	●	□						●	●	●				●	●	●													
8	24	11			●															●															
9	12	56																																	
9	38	5.8		●																															
10	12	70		●	●	●	●	●						●	●	●	●			●	●	●	●	●	●	●	●	●	●	●	●				
10	14	51		●	●	●	●	●	●					●	●	●	●			●	●	●	●	●	●	●	●	●	●	●	●				
10	15	44		●	□	●	□	●	□					●	●	●	●			●	●	●	●	●	●	●	●	●	●	●	●				
10	30	11																	●																
15	20	56		●	●	■	●	□																											
15	40	14																																	
15	60	6						■												■															
20	25	64		●	■	■	●	●																											
20	50	15						■											■																
25	35	51					■	●											■																
25	30	68					■											■																	
25	70	12					■											■																	



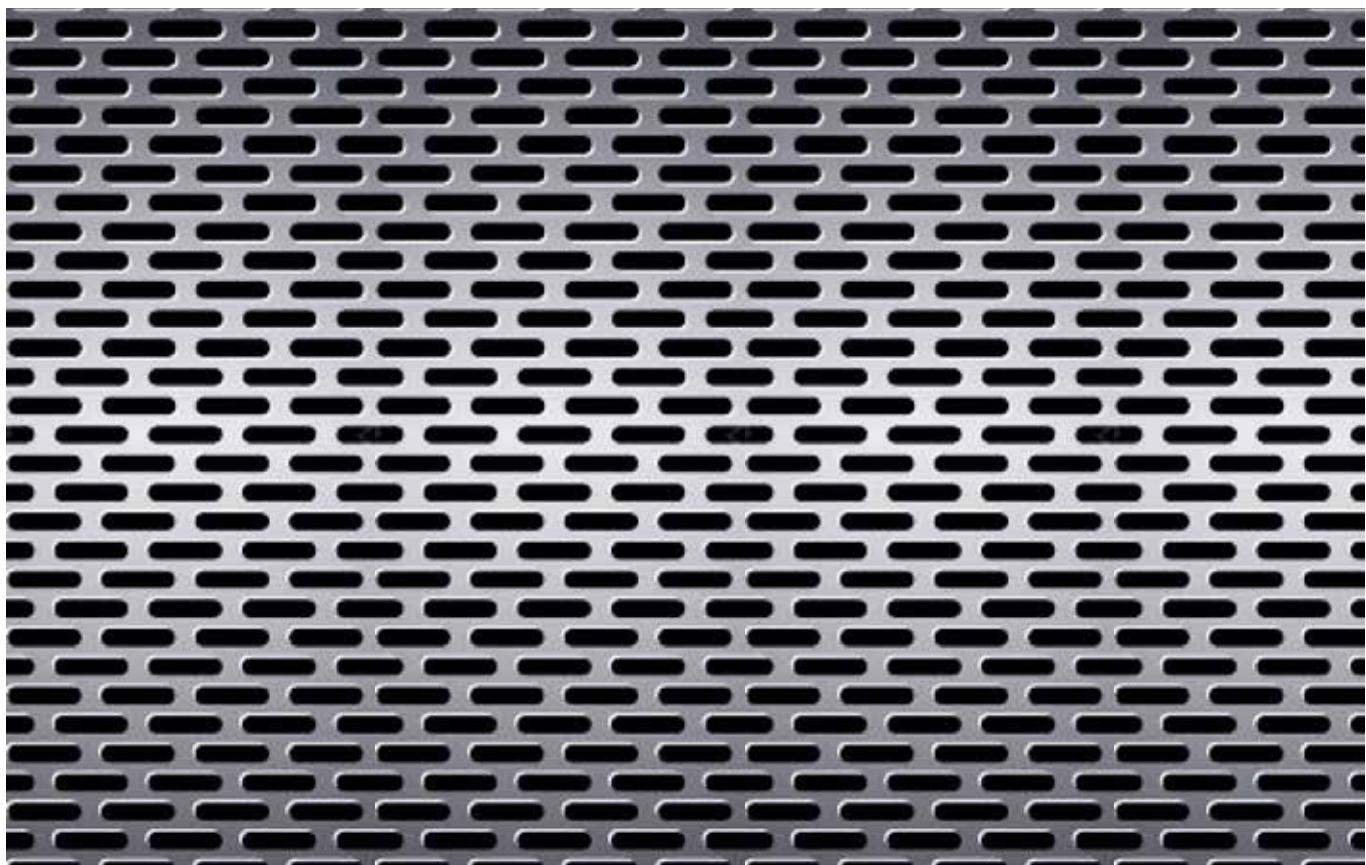
STOCK SQUARE HOLES (CDZ)			
HOLE SIZE (mm)	PITCH (mm)	OPEN AREA	ALUMINIUM
CD	Z	%	1.5



STOCK SLOT HOLES (LRZ)											
SLOT SIZE (mm)	STAGGERED LENGTH OF SLOTS/LENGTH	OPEN AREA %	STEEL				STEEL AISI 304			ALUMINUM	
LR2xLR1	Z2xZ1	%	0.8	1.0	1.5	2.0	3.0	1.0	1.5	2.0	1.5
10x0.8	13x4.5	27									
20x1	25x8	20						●			
20x1	24x7.2	23		●							
20x1.25	24x7.5	27		●							
20x1.5	25x8	30						●			
20x1.5	24x7.5	33		●							
20x1.75	24x9	32		●							
20x2	25x9	35			●				●		
20x2	24x8.4	35		●							
20x2	25x8.5	37					●				
20x2.2	24x10.4	34		●							
20x2.4	24x10.8	36		●							
20x2.5	24x11	37		●							
20x2.75	25x12	36		●							
20x3	24x12	40		●							
20x3	25x12	38			●						
20x3	25x13.2	35				●					
20x3.25	24x14	37		●							
20x3.5	24x14	40		●							
20x4	24x16	40		●							
20x4.5	24x16	45		●							
20x5	25x18	42			●	●					
20x5	24x18	44		●							
25x5	30x16	50							●		
25x5.5	29x18	50									
25x6	30x24	40		●							
25x8	34x28	39		●							
20x10	25x32	45				●					



- = 2m x 1m
- = 2.5m x 1.25m
- = 3m x 1.5m



# DECORATIVE PERFORATED SHEET

## MILD STEEL



Large trefoil leaf 10mm



trefoil leaf 10mm+hole



pointcross 16mm

2Mx1Mx1mm  
(Stock code:  
500 110 510)

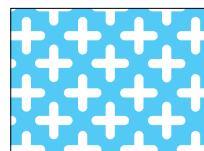
2Mx1Mx1mm  
(Stock code:  
500 110 512)

2Mx1Mx1mm  
(Stock code:  
500 110 530)

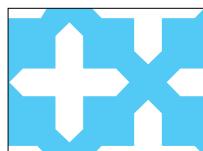
## BRASS



Large trefoil leaf 10mm



trefoil leaf 6mm



pointcross 16mm

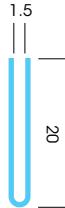
2Mx1Mx0.8mm  
(Stock code:  
530 108 510)

2Mx1Mx0.8mm  
(Stock code:  
530 108 520)

2Mx1Mx0.8mm  
(Stock code:  
530 108 530)

# U-PROFILES

The standard solution for framing (perforated) plate, expanded metal, and some types of wire mesh. The depth of the frame profiles means that the material being framed does not need to be cut to an exact size.



U 20 - 1.5



U 20 - 2.0



U 20 - 3.0



U 30 - 5.0



U 30 - 8.0



U 40 - 10.0

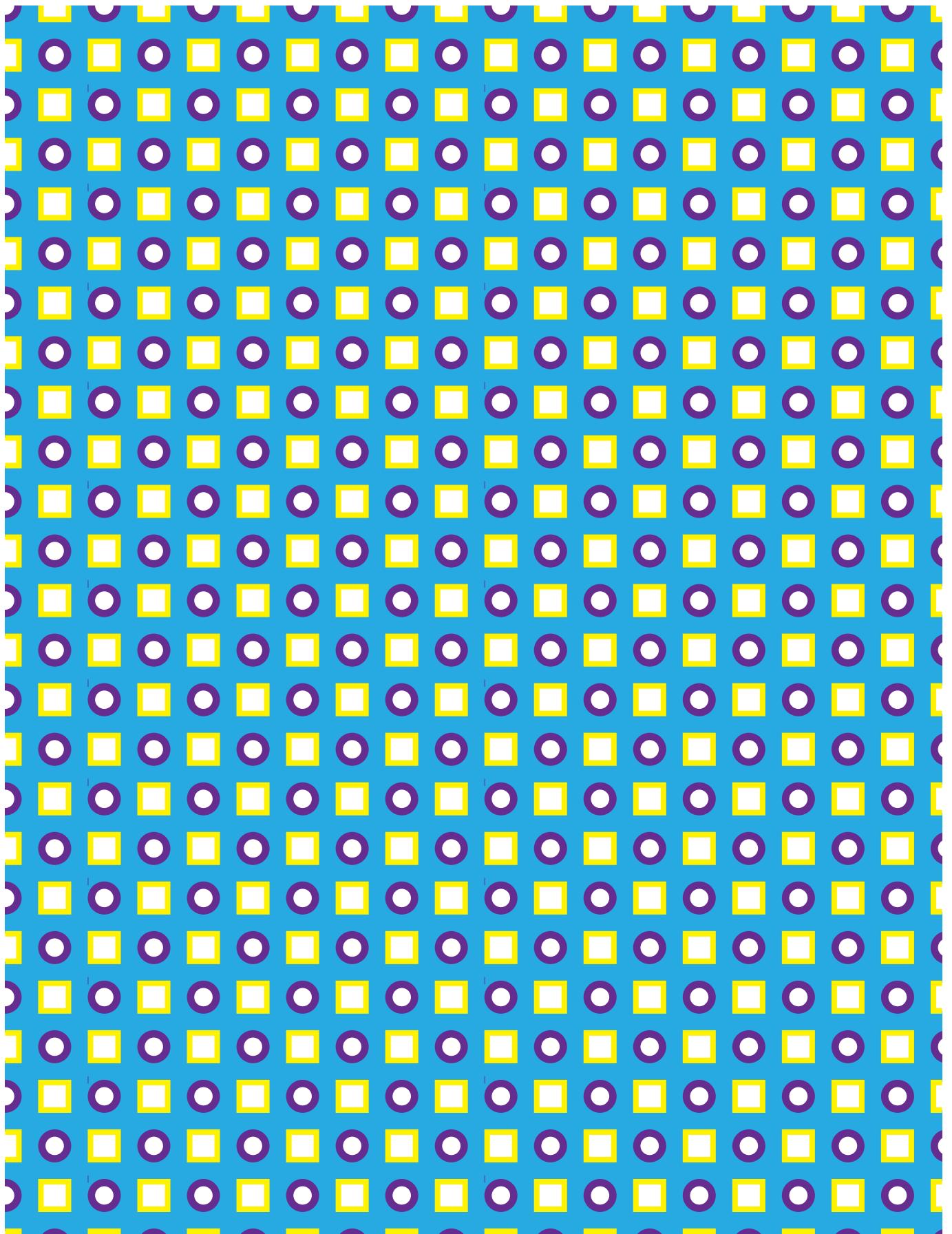
TYPE	THICKNESS mm	INSERT DEPTH mm
U 20 - 1.5	1.5	1.5
U 20 - 2.0	1.5	2.0
U 20 - 3.0	1.5	3.0
U 30 - 5.0	1.5	5.0
U 30 - 8.0	1.5	8.0
U 40 - 10.0	1.5	10.0

# MATERIAL

Steel, galvanised steel, stainless steel, aluminium.

**MATERIAL THICKNESS:** Approx 1 - 1.5mm for steel and approx 1 - 2mm for aluminium, depending on the size of the opening.

**LENGTH:** 2500mm



---

FABRICATION



**cadisch**  
PRECISION MESHES

---

## FILTERS AND STRAINERS

We can produce filters and strainers, incorporating woven wire mesh as the filter medium, to your own specifications. These are generally of welded or soldered construction.

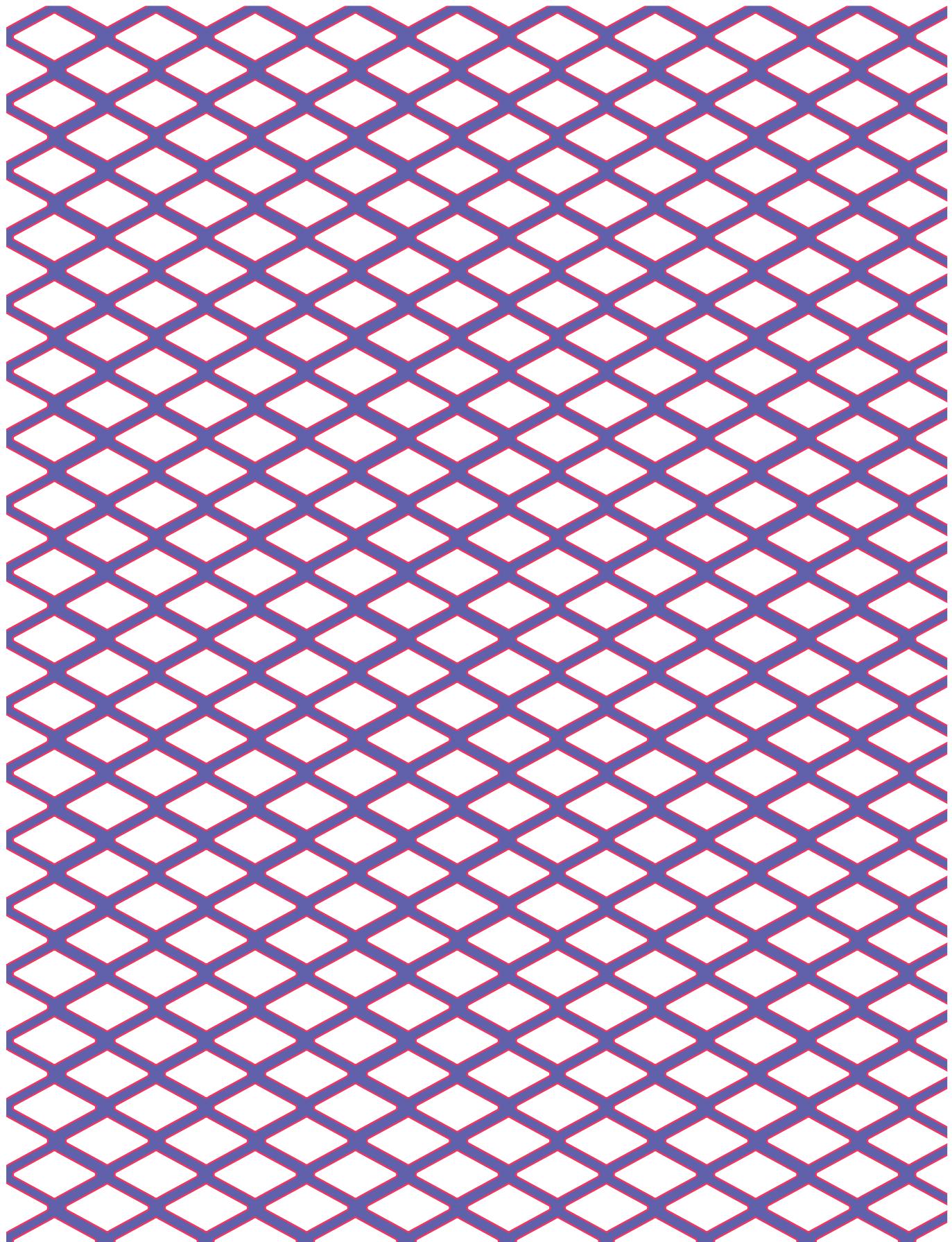
## EXTRUDER SCREENS

We specialize in the manufacture of screens for all types of plastic extruder and screen-changer. These can be in the form of plain discs or washers, multiple screenpacks of spot-welded construction or bound with aluminium or copper rims, multilayer tubes or specially profiled screens. They are produced on high-speed automatic presses and supplied in convenient consumer packs. Autoscreening rolls are also available - please ask us for details.

## MADE-UP SCREENS AND SCREEN RECOVERING

We produce screens suitable for use on vibratory and other screening plant. These are normally fitted with hookstrips, eyelets or other special edging to enable them to be tensioned, or are bonded to a frame. We offer a rapid turnaround on recovering any screen from our extensive range of meshes.





---

**EXPANDED METAL**

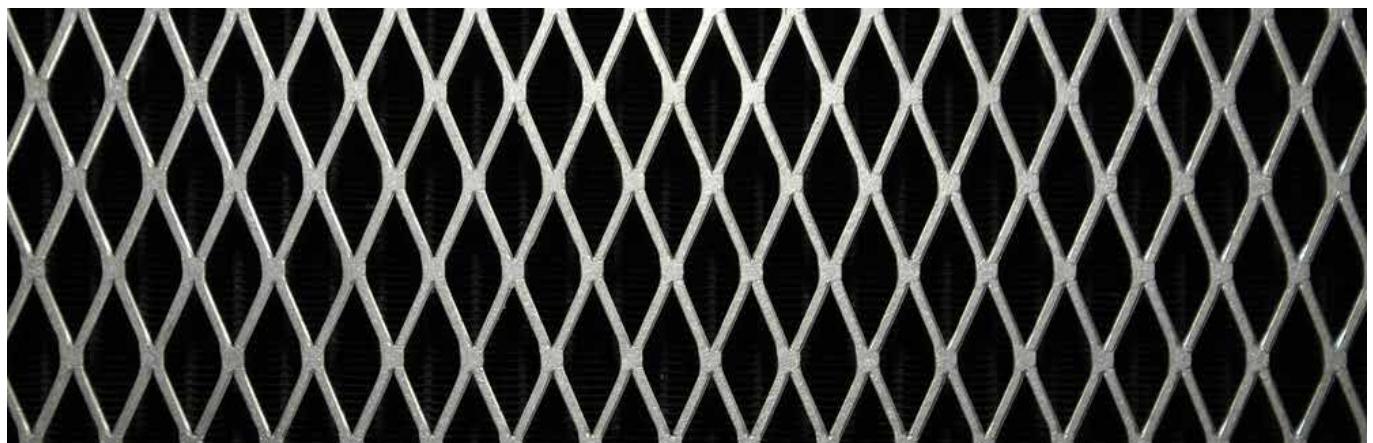


**cadisch**  
PRECISION MESHES

---

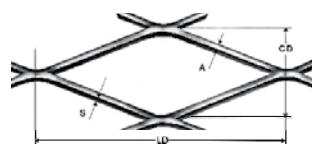
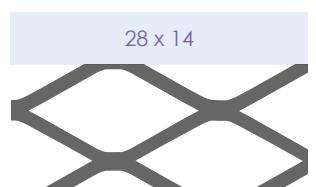
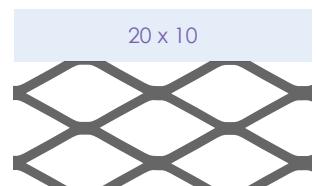
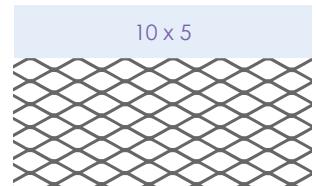
# EXPANDED METAL

Expanded metal is an economical alternative to woven meshes and perforated sheet. The panel starts life in coil form and then has slits cut into it. Once this has taken place the coil is cut to the required length and the edges of the sheet are pulled, allowing the slits to expand to create a diamond, square or hexagonal aperture. Applications are broad ranging from fencing panels, balustrades and ceiling tiles to a support mesh filter fabrication.



EXPANDED METAL												
STEEL	GALVANISED	ALUMINIUM	STAINLESS STEEL 304	LDxCD (mm)	A (mm)	s (mm)	Ao %	b (mm)	a (mm)	G (kg)	T (mm)	unit
				4 x 2,2	0,4	0,3	64	2000	1000	1,0		sheet
■				6 x 3,4	0,8	0,5	53	2000	1000	4,1	1,0	sheet
		■		6 x 3,5	1	0,5	43	25m	500	0,9		sheet
	■			6 x 3,5	1,25	0,5	27	25m	500	3,0		sheet
		■		6 x 3,5	0,8	0,6	52	2000	1000	4,1	1,0	sheet
		■		10 x 4,4	1,5	0,8	46	25m	500	1,5	2,0	sheet
■				10 x 4,4	1,5	1	30	2000	1000	10,4	2,0	sheet
				10 x 4,8	1,2	1	52	2000	1000	7,6	1,5	sheet
■	■			10 x 5	1	0,6	60	2000	1000	4,4	1,5	sheet
		■		10 x 5,5	1,2	0,5	54	2000	1000	3,8	1,0	sheet
■			=	16 x 8	2	1	57	2000	1000	7,0		sheet
■				20 x 10	1,5	1	70	2000	1000	8,2	2,5	sheet
		■		22 x 10	1,2	1	76	2000	1000	4,2	1,5	sheet
■				28 x 10	2,5	1	56	2000	1000	8,0	3,5	sheet
		■		28 x 10	2,5	1	56	1000	2000	7,4	3,5	sheet
■			=	28 x 14	3	1,5	50	2000	1000	12,0		sheet
■				28 x 14	2,1	1,5	60	1250	2500	11,0		sheet

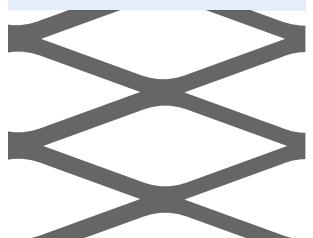
LD Long way of mesh  
 CD Short way of mesh  
 A Strand width  
 Ao Open area  
 s Material thickness  
 b Length  
 a Width  
 G Weight  
 T Total thickness  
 m<sup>2</sup>/piece Unity  
 = Flattened



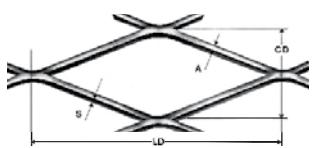
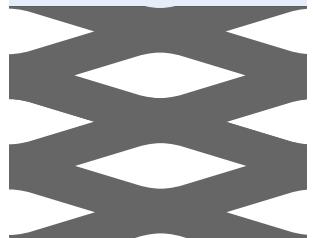
EXPANDED METAL													
STEEL	GALVANISED	ALUMINIUM	STAINLESS STEEL 304		LDxCD (mm)	A (mm)	s (mm)	Ao %	b (mm)	a (mm)	G (kg)	T (mm)	unit
■					42 x 13	2,8	2	57	2000	1000	14,8	6,0	sheet
■					43 x 13	2,5	1	59	2000	1000	6,6	4,0	sheet
■					43 x 13	2	1	70	1000	2000	4,8	3,0	sheet
■					43 x 16	2,3	1,5	75	1250	2500	10,7	5,0	sheet
■			Dekor		45 x 9	2	2	56	2000	1000	14,2	4,0	sheet
■			Antislip		45x13,4	5	3	25	2000	1000	43,0	7,0	sheet
	■				45x13,4	5	3	25	2500	1450	67,4	7,0	sheet
■			Type E		45 x 18	2	1,5	78	2500	1250	8,35	6,0	sheet
■					53,5x21	2,1	1,5	72	1250	2500	7,5	4,0	sheet
■					53,5x21	3,2	3	70	1250	2500	22,2	7,0	sheet
	■	■	=		62 x 30	4	3	73	2000	1000	5,1	6,0	sheet
■					62,5x20	2,5	2	75	1200	600	2,74	4,0	sheet
■					62,5x22	2,2	2	76	2000	1000	7,6		sheet
	■				62,5x22	2,5	2	76	2000	1000	7,6	5,0	sheet
■	■				62,5x23	6,7	3	39	2000	1000	28,0	5,0	sheet
■					62,5x23	3,6	3	67	3000	1500	33,8	8,0	sheet
■			=		62,5x23	6,5	4	44	2500	1250	55,0	10,0	sheet
■			=		62,5x24	3,6	3	67	1250	2500	23,5	5,0	sheet
■			=		62,5x25	7	5	44	2000	1000	48	12,5	sheet
■			=		62,5x27	3,6	3	67	1250	2500	24,5		sheet
	■		=		62,5x27	3,6	3	67	2000	1000	15,5		sheet
	■		=		62,5x27	3,6	3	67	1250	2500	23,5		sheet

LD Long way of mesh  
 CD Short way of mesh  
 A Strand width  
 Ao Open area  
 s Material thickness  
 b Length  
 a Width  
 G Weight  
 T Total thickness  
 m<sup>2</sup>/piece Unity  
 = Flattened

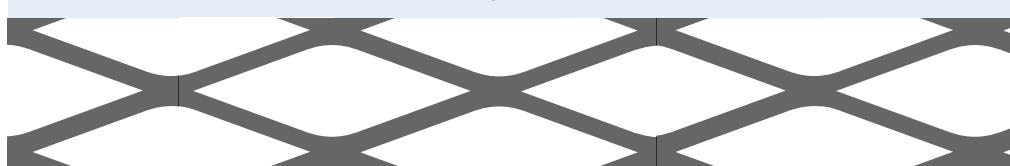
10 x 5



20 x 10



28 x 14



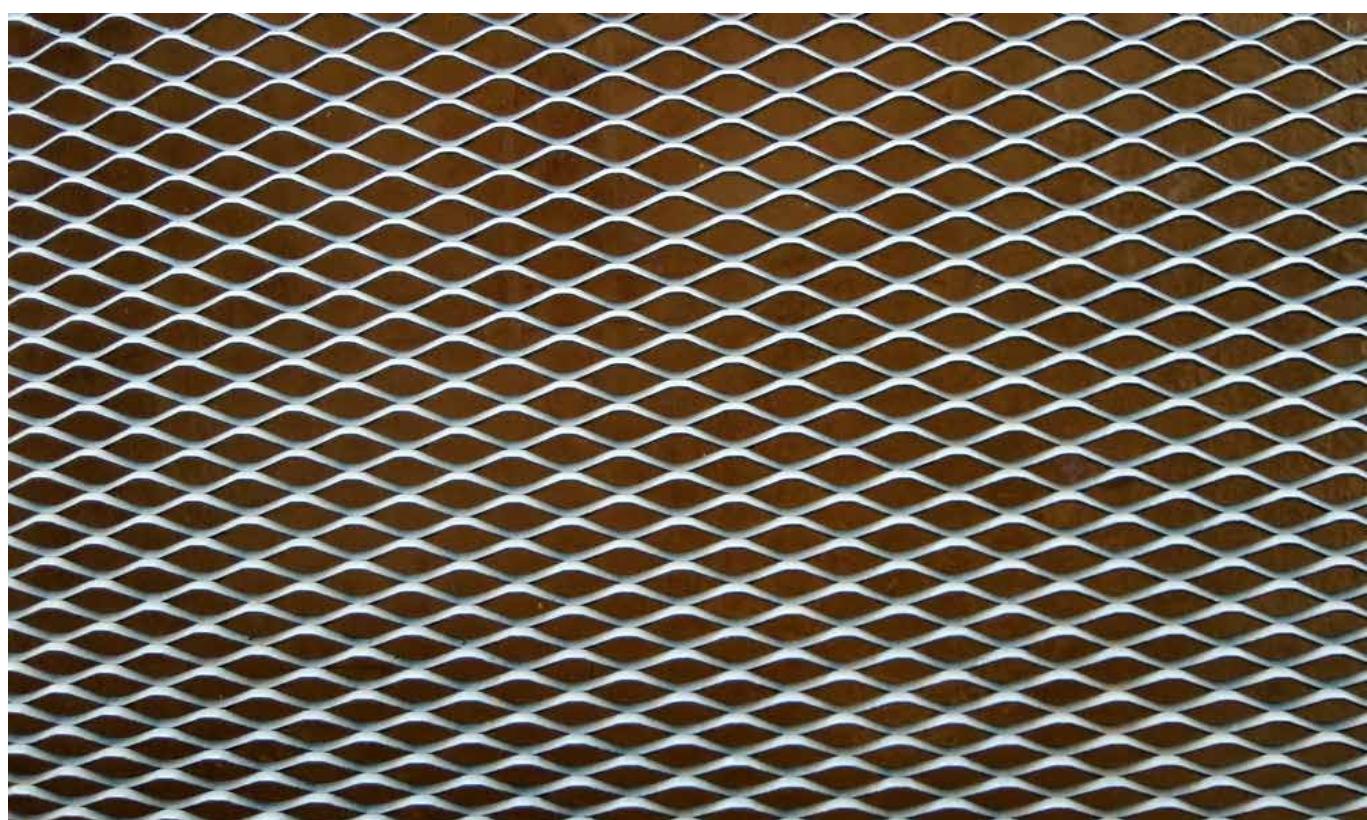
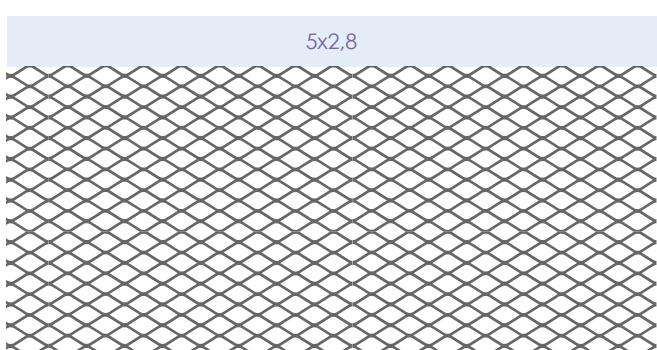
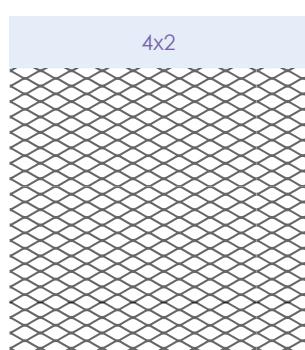
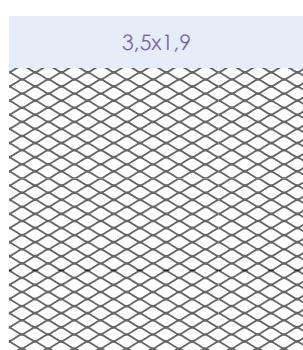
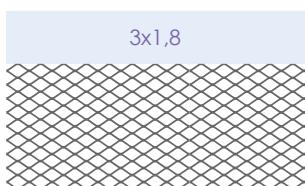
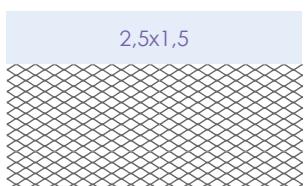
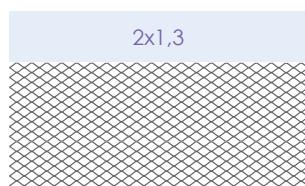
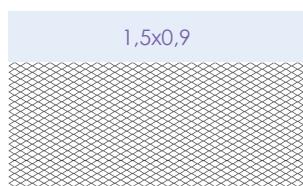
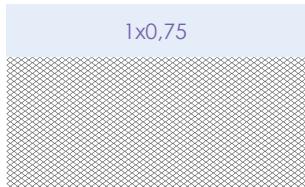
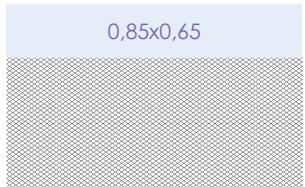
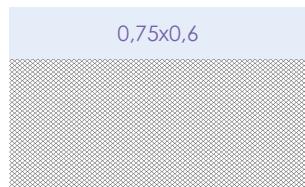
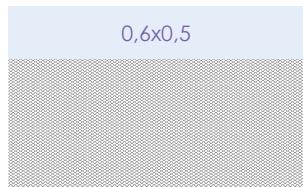
EXPANDED METAL

STEEL	GALVANISED	ALUMINIUM	STAINLESS STEEL 304	Ømm	LDxCD (mm)	A (mm)	s (mm)	P %	L (mm)	B (mm)	G (kg)	-	unit
	■			ribben	x		0,3		2500	600	1,6		sheet

# MICRO EXPANDED MESH

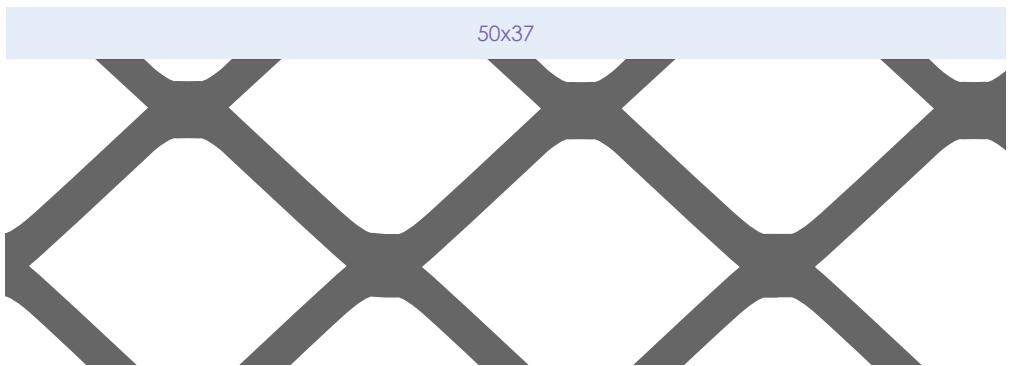
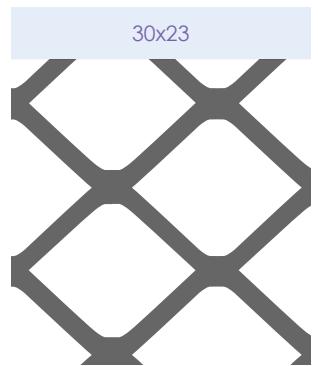
In addition to standard expanded stock specifications we are able to offer bespoke materials such as shown on this page.

Please ask for further details.



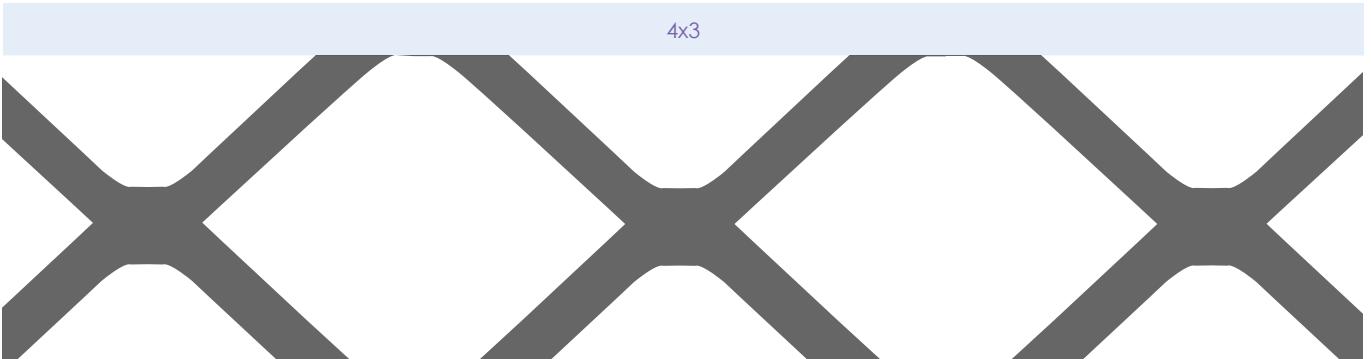
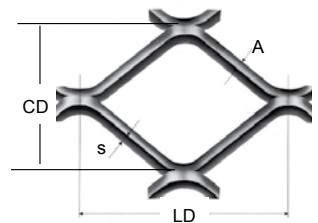
EXPANDED SQUARE METAL										
STEEL	GALVANISED			LDxCD (mm)	Axs (mm)	Ao %	b %	a (mm)	G (kg)	unit
■				4x3	0,6 x 0,6	60	25 m	1000	1,5	sheet
■		=		6 x 4,5	1 x 0,8	56	2000	1000	5,6	sheet
■	■	=		14 x 11	2 x 1,5	64	2000	1000	6,4	sheet
■		=		20 x 14	2,5 x 2	64	2500	1250	12,5	sheet
■	■	=		20 x 15	2 x 1,5	73	2000	1000	4,6	sheet
■	■	=		30 x 23	2,5 x 2	78	2000	1000	5	sheet
■		=		40 x 30	3 x 2,5	77	2000	1000	8,8	sheet
■		=		40 x 30	3 x 2,5	80	3000	1500	19,8	sheet
■		=		50 x 37	4 x 2,5	78	2000	1000	8,4	sheet
■		=		50 x 37	4 x 2,5	78	3000	1500	18,9	sheet

LD Long way of mesh  
 CD Short way of mesh  
 A Strand width  
 Ao Open area  
 s Material thickness  
 b Length  
 a Width  
 G Weight  
 T Total thickness  
 m<sup>2</sup>/piece Unity  
 = Flattened



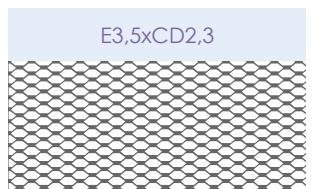
EXPANDED SQUARE METAL										
STEEL	GALVANISED			LDxCD (mm)	Axs (mm)	Ao %	b %	a (mm)	G (kg)	unit
■		=		70x53	5x3	81	2000	1000	8,6	sheet
■		=		90x64	6x4	81	2000	1000	11,0	sheet
■		=		90x64	6x4	81	3000	1500	24,8	sheet

LD Long way of mesh  
 CD Short way of mesh  
 A Strand width  
 Ao Open area  
 s Material thickness  
 b Length  
 a Width  
 G Weight  
 T Total thickness  
 m<sup>2</sup>/piece Unity  
 = Flattened

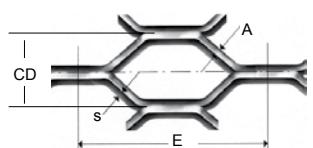


EXPANDED HEXAGONAL METAL				
E x CD	A	s	G (kg/m <sup>2</sup> )	dimensions plate/roll
E3 x 2	0,50	0,40	1,60	625
E3 x 2	0,50	0,50	2,00	625
E3 x 2	0,50	0,60	2,40	625
E3,5 x 2,3	0,55	0,40	1,55	625
E3,5 x 2,3	0,55	0,50	1,90	625
E3,5 x 2,3	0,55	0,60	2,30	625
E4 x 3	0,65	0,50	1,70	1000/1250
E4 x 3	0,65	0,60	2,05	1000/1250
E4 x 3	0,65	0,80	2,75	1000/1250
E5 x 3,2	0,80	0,50	2,00	1000/1250
E5 x 3,2	0,80	0,60	2,40	1000/1250
E5 x 3,2	0,80	0,80	3,10	1000/1250
E6 x 3,5	0,80	0,60	2,10	1000/1250
E6 x 3,5	0,80	0,80	2,75	1000/1250
E6 x 3,5	0,80	1,00	3,45	1000/1250
E8 x 4,7	0,80	0,60	1,90	1000/1250
E8 x 4,7	0,80	0,80	2,40	1000
E8 x 4,7	0,80	1,00	2,80	1000

**LD** Long way of mesh  
**CD** Short way of mesh  
**A** Strand width  
**Ao** Open area  
**s** Material thickness  
**b** Length  
**a** Width  
**G** Weight  
**T** Total thickness  
**m2/piece** Unity  
**= Flattened**

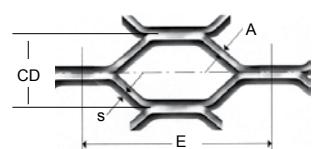
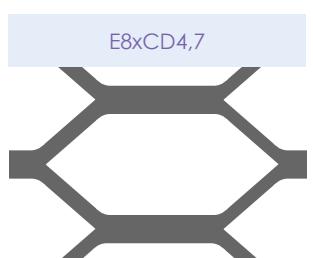


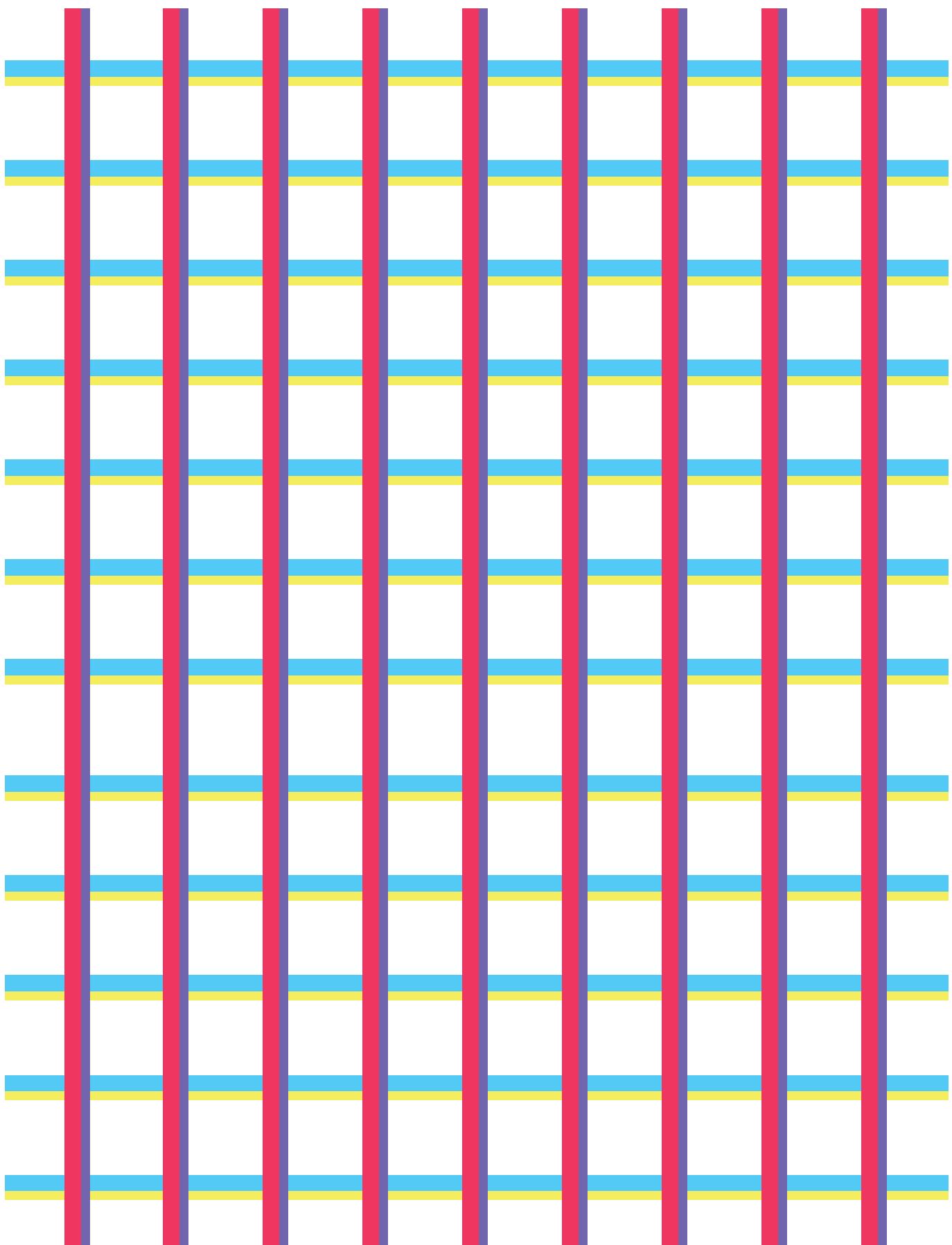
**Executions:**  
Standard or flattened.  
The weights are average weights for mild steel.  
Expanded metal can be made of aluminum, stainless steel, bronze, plastic, etc.



EXPANDED HEXAGONAL METAL				
E x CD	A	s	G (kg/m <sup>2</sup> )	dimensions plate/roll
E10 x 5	1,00	0,60	1,90	1000/1250
E10 x 5	1,00	0,80	2,55	1000/1250
E10 x 5	1,00	1,00	3,10	1000/1250
E15 x 6,5	1,30	0,60	1,90	1000/1250
E15 x 6,5	1,30	0,80	2,55	1000/1250
E15 x 6,5	1,30	1,00	3,15	1000/1250
E25 x 13	1,50	1,00	1,85	1000/1250/1500
E25 x 13	2,00	1,50	3,60	1000/1250/1500
E25 x 13	2,00	2,00	4,50	1000/1250/1500
E30 x 16	1,50	1,00	1,50	1000/1250/1500
E30 x 16	1,50	1,50	2,25	1000/1250/1500
E30 x 16	2,00	2,00	3,40	1000/1250/1500
E44 x 18	2,00	2,00	3,90	1000
E44 x 18	2,00	1,50	3,20	1000

**LD** Long way of mesh  
**CD** Short way of mesh  
**A** Strand width  
**Ao** Open area  
**s** Material thickness  
**b** Length  
**a** Width  
**G** Weight  
**T** Total thickness  
**m2/piece** Unity  
**= Flattened**





---

**WELDED WIRE MESH**



**cadisch**  
PRECISION MESHES

---

# WELDED WIRE MESH

Welded Wire Mesh has wide applications in the construction, agricultural and engineering industries, due to its high rigidity and strength. It is increasingly used in security applications and as machine guards. The popular sizes are available from stock in standard sheets and rolls.

We can offer a cut to size panel service and supply non-standard mesh size to order.

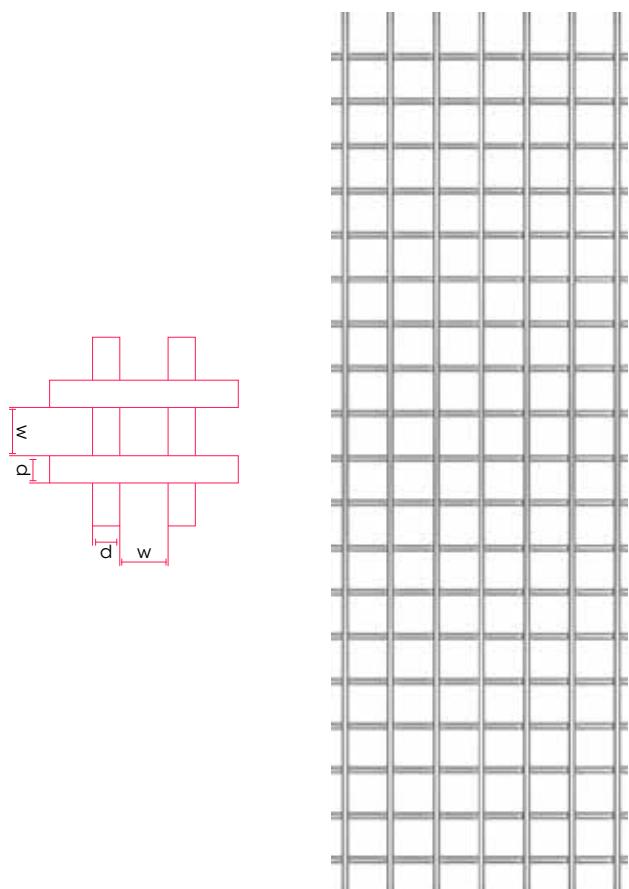
PITCH	WIRE DIA. (mm)		LENGTH (mm)	WIDTH (mm)
1/4"x1/4" (6.35x6.35mm)	0.80	roll	30.5M	1.22M
1/2"x 1/2" (12.7x12.7mm)	1.00	roll	25M	1M
1/2"x 1/2" (12.7x12.7mm)	1.60	roll	30.5M	1.22M
1/2"x 1/2" (12.7x12.7mm)	2.50	panel	2.44M	1.22M
3/4"x 3/4" (19.05x19.05mm)	2.50	panel	8' (2.44M)	4' (1.22M)
1"x 1" (25.4x25.4mm)	1.60	roll	30.5M	1.22M
1"x 1" (25.4x25.4mm)	3.00	panel	8' (2.44M)	4' (1.22M)
1 1/2"x 1 1/2" (35x35mm)	3.00	panel	8' (2.44M)	4' (1.22M)
2"x 2" (50.8x50.8mm)	3.00	panel	8' (2.44M)	4' (1.22M)

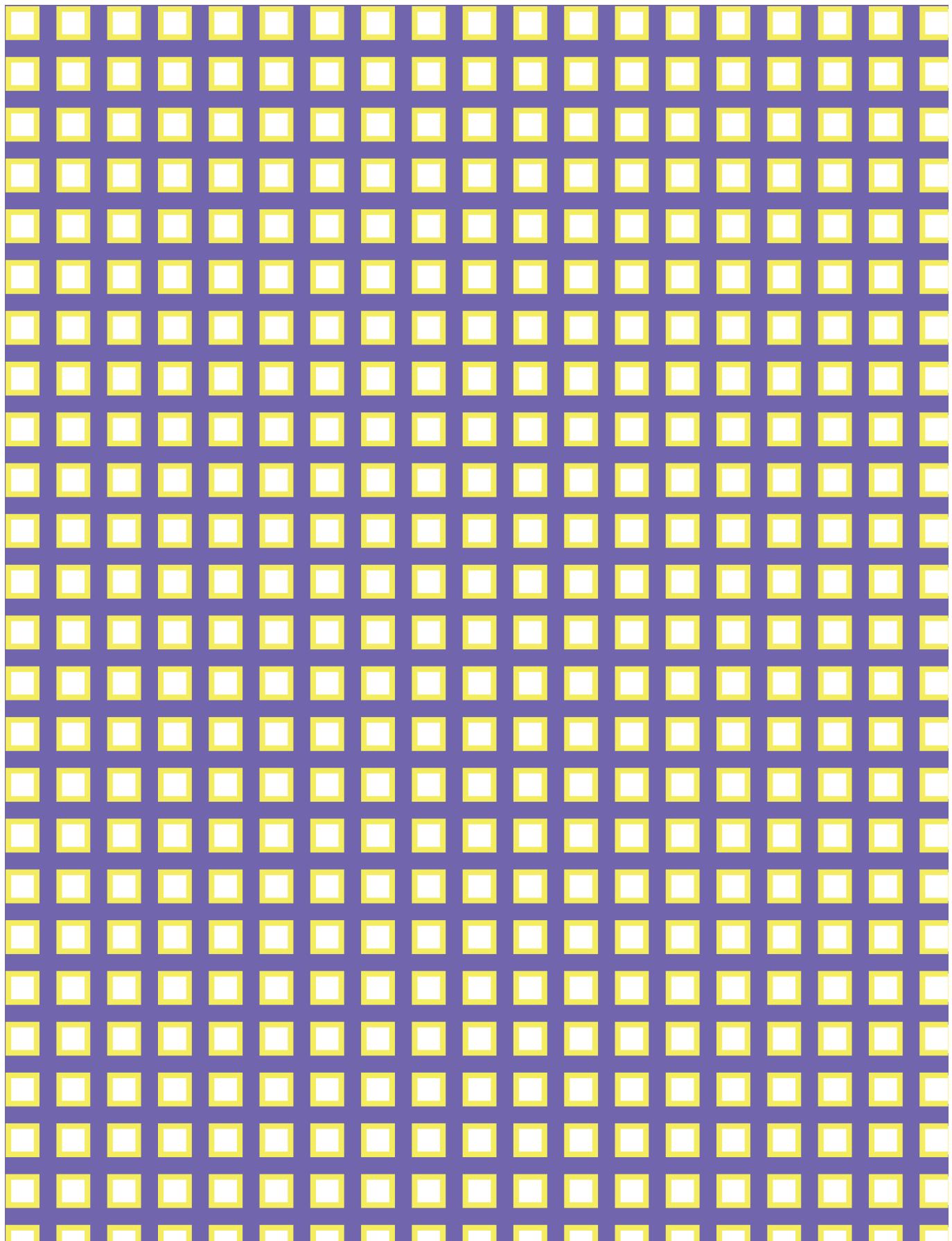


# LIGHT WELDED MESH

REFERENCE LIST FOR LIGHT WELDED MESH - INTERMEDIATE SPECS ARE POSSIBLE									
MESH OPENING (mm)	WIRE DIAMETER (mm)								
	0.4	0.5	0.7	0.8	1	1.2	1.5	1.6	2
3.5	X	X							
4	X	X	X	X	X				
5	X	X	X	X	X	X			
6	X	X	X	X	X	X			
8		X	X	X	X	X	X	X	
10		X	X	X	X	X	X	X	X
12		X	X	X	X	X	X	X	X
16		X	X	X	X	X	X	X	X
20		X	X	X	X	X	X	X	X
25		X	X	X	X	X	X	X	X
50				X	X	X	X	X	X

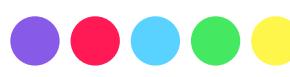
Our state of the art machinery is ideally suited to weld stainless steel wire with very precise openings. The openings can be square or oblong.





---

**SYNTHETIC FILTER  
FABRICS**

 **cadisch**  
PRECISION MESHES

# MONOFILAMENT FILTER FABRICS

Monofilament filter fabrics are ideal materials for sieving, straining or filtering most liquids, powders or sludges. The term 'Monofilament' means that each thread used in the construction of the cloth is a single smooth solid strand instead of many smaller diameter threads twisted together, as in a spun or multifilament material. These monofilament threads are perfectly round in section and are extruded to very precise and uniform diameters.

## THEIR ADVANTAGES ARE:

- A. due to their uniformity they can be woven with great precision to give exact and regular apertures,
- B. the resulting material has a very smooth surface so that the filtered particles will easily separate from it,
- C. they have great strength and elasticity.

After weaving, our fabrics undergo a finishing process to add the properties required for specific applications. During the finishing process, the fabric is scoured to remove any foreign substances and the yarns are then stabilised within the weave in order to eliminate shrinkage by a process known as 'heat setting'.

# MATERIALS

## MONOFILAMENT NYLON 6.6 FILTER CLOTH

Monofilament Nylon is a versatile material due to its great strength, flexibility, long life and resistance to abrasion. Nylon has excellent resistance to most common solvents and will operate continuously at temperatures up to 100°C in the chemical pH range 7-14. Its chemical and physical properties are shown in the table below.

## MONOFILAMENT POLYESTER FILTER CLOTH

Monofilament Polyester is particularly recommended for use in manufacturing conditions in excess of 100°C. It is suitable up to a maximum working temperature of 150°C in the chemical pH range 1-7.

## ALTERNATIVE MATERIALS

Although Nylon and Polyester are satisfactory for most screening applications, we also have a range of Polyethylene, Polypropylene, PTFE, Silk, Nomex, etc.

# WOVEN FILTER TUBING, STRIPS (RIBBON) AND PREFORM

This can be produced either circular woven or with ultrasonic or hot knife welded seams in all synthetic fibres. Preformed inserts may be either ultrasonically welded or hot cut.



BOLTING CLOTH		MONODUR® NYLON NORMAL				MONODUR® NYLON LIGHT				MONODUR® POLYESTER NORMAL				MONODUR® POLYESTER HEAVY DUTY									
		old fabric-no grit gauze	mesh opening in micron	mesh count per cm	open area %	thread diameter in micron	weight g/m²	mesh opening in micron	mesh count per cm	open area %	thread diameter in micron	weight g/m²	mesh opening in micron	mesh count per cm	open area %	thread diameter in micron	weight g/m²	mesh opening in micron	mesh count per cm	open area %	thread diameter in micron	weight g/m²	
		2000	3.8	58	630	300							2000	4.0	64	500	265	2000	3.8	58	630	363	
		1900	3.9	56	630	290																	
12	1800	4.3	60	530	250																		
	1700	4.5	58	530	240																		
14	1600	4.9	62	430	175								1600	4.9	61	430	212						
	1500	5.2	60	430	185																		
16	1400	5.5	59	430	195								1400	5.5	59	430	236	1400	5.3	55	500	350	
	1320	5.7	57	430	200																		
	1250	6.2	60	370	174								1250	6.2	60	370	211						
18	1180	6.4	58	370	177																		
	1120	6.7	57	370	181																		
	1060	7.0	55	370	185																		
20	1000	7.6	58	315	150								1000	7.6	58	325	182	1000	6.2	39	500	430	
22	950	7.9	56	315	154																		
	900	8.2	55	315	158								900	8.0	52	300	170						
24	850	8.6	53	315	164																		
26	800	9.4	56	270	140								800	9.4	57	270	169						
	750	9.8	54	270	144																		
28	710	10.2	52	270	149								710	10.2	52	270	188						
30	670	10.6	51	270	154																		
	630	11.1	49	270	160								630	11.1	49	270	181						
32	600	11.5	48	270	165	600	13.3	64	150	74			560	13.5	57	215	160						
34	560	13.0	53	210	117																		
36	530	13.5	51	210	121																		
38	500	14.0	50	210	125								500	14.0	47	230	174						
40	475	14.7	48	210	132																		
42	450	15.2	47	210	136																		
44	425	15.8	45	210	140																		
46	400	16.4	43	210	145	400	17.1	47	180	123	400	16.4	43	215	175	400	15.4	38	250	255			
48	375	17.1	41	210	155																		
50	355	19.4	48	160	112								355	19.4	48	160	155	355	16.0	32	250	285	
52	335	20.2	46	160	115																		
54	315	21.0	44	160	120								315	21.0	44	160	145	315	20	39	200	182	
56	300	23.2	49	130	76																		
58	60	280	24.4	47	130	82							280	24.4	47	130	93						
	62	265	25.3	45	130	86	265	26.0	47	100	61	265	25.0	44	130	95							
	64	250	26.3	43	130	89							250	26.3	43	130	99						
68																							
70	236	27.3	42	130	92																		
72	224	30.4	46	105	76								224	30.4	46	105	93						
	212	31.5	45	105	78									212	29.0	38	130	108					
	200	32.8	43	105	80									200	32.8	43	105	97					
	190	37.0	50	80	51								180	37.0	44	90	90						
	180	38.5	48	80	53																		
	170	40.0	46	80	56																		
	160	42.0	44	80	58								160	42.0	45	80	70						
	150	43.5	43	80	59																		
	140	45.0	40	80	60								140	45.0	40	80	73						
	132	47.0	39	80	63																		
	125	49.0	37	80	66								125	49.0	38	80	80						
	118	51.0	36	80	68									118	56.0	43	60	52					
	112	52.0	34	80	72	112	62.0	48	50	34	112	60.0	45	60	65								
	106	55.0	34	75	60								106	55.0	40	60	56						
	100	56.0	33	75	62	106	60.0	40	60	56	100	56.0	31	70	75								
LA QUAL.	95	58.0	31	75	63	95	69.0	48	50	37	90	68.0	37	55	68								
	90	60.5	30	75	65																		
	85	62.0	28	75	67	85	77	43	45	29													
20	80	64.5	27	75	69								80	77.0	38	48	42	80	73.0	34	55	70	
	71	86.0	37	45	31								71	90.0	41	40	36	71	80.0	32	55	64	
25	63	93.0	34	45	35	67	104.0	49	30	28	63	92.0	37	40	39	63	90.0	32	48	68			

BOLTING CLOTH	MONODUR® NYLON NORMAL					MONODUR® NYLON LIGHT					MONODUR® POLYESTER NORMAL					MONODUR® POLYESTER HEAVY DUTY					
	old fabric-no grit gauze	mesh opening in micron	mesh count per cm	open area %	thread diameter in micron	weight g/m <sup>2</sup>	mesh opening in micron	mesh count per cm	open area %	thread diameter in micron	weight g/m <sup>2</sup>	mesh opening in micron	mesh count per cm	open area %	thread diameter in micron	weight g/m <sup>2</sup>	mesh opening in micron	mesh count per cm	open area %	thread diameter in micron	weight g/m <sup>2</sup>
												60	100.0	36	40	40					
	56	100.0	31	45	38							56	110.0	38	35	33	56	90.0	25	55	72
	50	111.0	31	40	27							50	120.0	36	35	35	53	80.0	18	70	100
	45	118.0	28	40	30											50	110.0	30	40	45	
	42.5	122.0	26	40	31											45	120.0	29	40	48	
	37.5	129.0	23	40	34	40	143.0	33	30	23	40	133.0	28	35	39	40	125.0	25	40	50	
	35.5	143.0	25	35	25	35.5	153.0	29	30	24	35.5	142.0	25	35	41	37.5	90.0	11	70	104	
	33.5	147.0	24	35	26							30	165.0	25	30	40	35.5	130.0	21	40	52
	31.5	152.0	23	35	27																
	30.0	165.0	25	30	30							22.4	180.0	16	30	53					
	22.4	180.0	16	30	33							20	185.0	15	30	45					
	20	185	14	30	38							15	200.0	9	35	48					
	15	195	9	30	45											10	200.0	4	40	80	
																5	220.0	1.2	40	88	
																3	220.0	0.4	42	88	

## FILTER BAGS, SLEEVES, DISCS AND SCREENS

### NEEDLEFELTS

Manufactured using layers of fibre which are 'needled' through a base scrim to produce a felt for wet and dry filtration. Classified by air permeability, weight in grammes per square metre, or by particle retention (within a range of 1 to 200 micron); Needlefelts are available in the following materials – Polypropylene, Nylon and Polyester. They can be purchased either in roll form or, more commonly, manufactured into filter bags, cloths, sleeves, etc for any make of machinery.

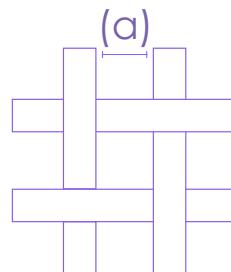
### MONOFILAMENT FABRICS

We produce a wide range of these products, catering for our customers' individual requirements as well as the standard designs. These can be made from any of our range of filter cloths, and we would be happy to quote against your specific drawing, sketch or sample. Some of our typical products are illustrated alongside.

**APERTURE SIZES** Our standard filter cloths range from 2,000 micron to 3 micron aperture, the measurement being made across the square between the insides of adjacent threads, as shown.

**LENGTHS AND WIDTHS** Full roll length approximately 100 metres but any length can be cut to order. Our standard stock width is 1m and 1.5m but other widths are often available or may be woven to special order.

Please note: 1 micron = 1/1000th part of 1 millimetre



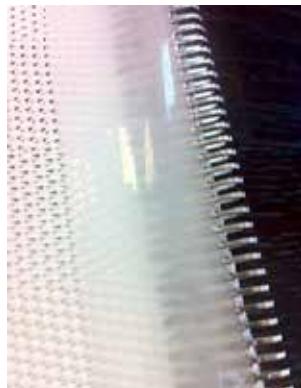
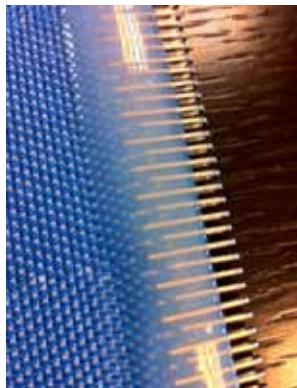
PHYSICAL PROPERTIES	POLYAMIDE (6.6 NYLON)	POLYESTER	POLYETHYLENE	POLYPROPYLENE	POLYVINYLCHLORIDE (PVC)
MAX WORKING TEMP. °C	100	150	60	70	60
SHORT TERM WORKING TEMP. °C	150	180	90	100	70
MELTING POINT °C	255	256	120	165	150
SOFTENING POINT °C	235-240	230	110	150	70
SPECIFIC GRAVITY	1.14	1.38	0.95	0.92	1.38
TENSILE STRENGTH N/mm <sup>2</sup>	70-100	95-130	50-60	22-55	20-40
ELONGATION TO BREAK %	15-25	10-20	15-30	15-30	14-60
MOISTURE ABSORPTION % AT 20 °C	3.5-4.5	0.4	0	0	0-0.2
U.V. RESISTANCE	FAIR	GOOD	POOR	LOW	V. GOOD
ABRASION RESISTANCE	V. GOOD	V. GOOD	POOR	AVERAGE	POOR
CHEMICAL PROPERTIES AT 20 °C *					
ACETIC ACID, CONC.	—	✓	✓	✓	✓
SULPHURIC ACID 20%	—	✓	✓	✓	?
NITRIC ACID 10%	—	?	✓	✓	✓
HYDROCHLORIC 25%	—	?	✓	✓	?
SAT. SODIUM CARBONATE	✓	✓	✓	✓	?
CHLORINE CONC.	—	✓	✓	?	✓
CAUSTIC SODA 25%	?	—	✓	✓	?
AMMONIA, CONC.	✓	—	✓	✓	?
POTASSIUM PERMANGANATE	—	✓	✓	?	?
FORMALDEHYDE, CONC.	✓	✓	✓	✓	?
CHLORINATED HYDROCARBONS	✓	✓	?	?	?
BENZENE	✓	✓	?	?	—
PHENOL	—	?	?	?	—
KETONES, ACETONE	✓	✓	?	?	?

✓ = recommended

? = conditional

— = unsatisfactory

\* = resistance is generally lower at higher temperature



# TECHNICAL FILTRATION FABRICS

## POLYNova® TECHNICAL FILTRATION FABRICS

Polynova® Technical Filtration Fabrics are produced in a wide variety of materials including polyester, polyamide (nylon) and polypropylene. The fabrics are specifically designed to be used in a broad spectrum of applications in industries spanning chemicals, wine and juice production, waste water and sewage treatment, ceramics and food.

Polynova® technical fabrics are made in a variety of weave constructions and permeabilities. Their wide selection makes it possible to provide for any specific application.

## POLYNova® FILTER BELTS

Polynova® Filter Belts were developed in close co-operation with machine manufacturers and end-users especially for applications in liquid/solid separation and dewatering of suspended solids.

These applications include the product extraction in the chemical industry, in metallurgy and mineral mining. Our filter belts are used for extraction of phosphoric acid and fertilizers, for filtration of aluminium hydroxide, for coal washing, as well as for specific filtration in flue gas desulphurization.

Polynova® fabrics can be converted for use on systems such as vacuum filter belt units, gravity belt thickeners, pan filters, belt presses and fluid bed driers plus many more.

## FILTER BELT JOINTS/FINISHING

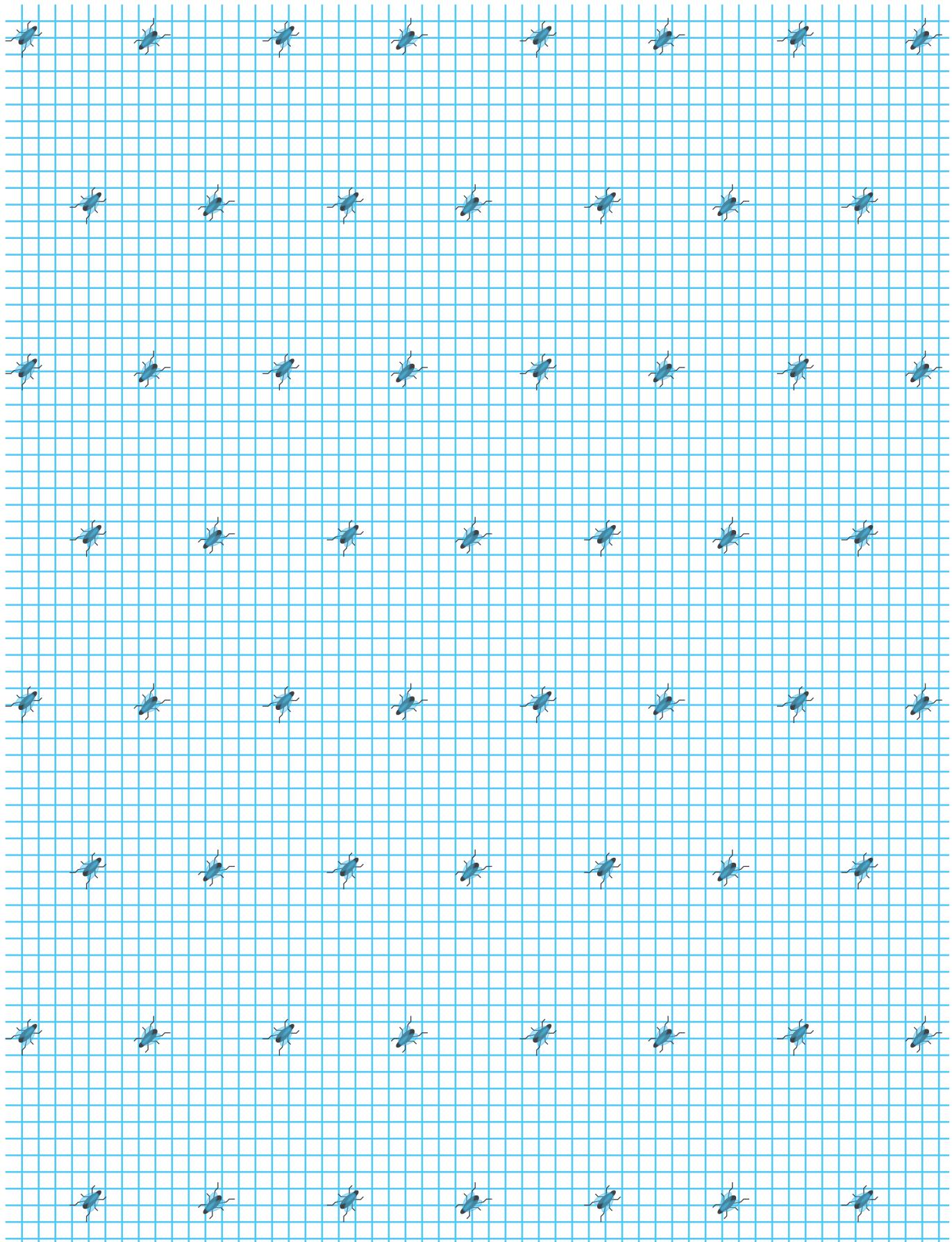
We produce a complete range of connecting joints for all fabrics that are designed for use as filter belts. The joints are available in a number of forms and materials ranging from wholly synthetic to stainless steel. The synthetic joints can be produced to match the material of the belt. These are generally used for lighter applications, or where the presence of metal is detrimental to the given process. Stainless steel joints are fitted to the heavier range of fabrics and where physical strength is of importance. They are available in the "clipper" and "alligator" styles with a resin-fill protection layer.

All belts are fitted with the optimum joint for their application and come complete with the appropriate joining/pintle wire.

We can also supply joints which are hand woven together on the ends to produce what is, effectively, an endless belt. Such joints are beneficial in areas where a joint line would compromise the finish of the product. It should be noted that it is only possible to fit these belts to machines with available access.

The edges of the belts are produced with a heat seal plus a neoprene/resin fill band where required, to prevent fraying and reduce wear.

Further information may be obtained by calling our office.



---

**INSECT PROOF  
SCREENING**



**cadisch**  
PRECISION MESHES

---

# INSECT PROOF SCREENING

Our range of flyscreening is used throughout the world and is used in many different ways in order to control the passage of all forms of insect and reptile life - as well as enabling companies and individuals to comply with increasingly stringent controls on health and safety, food hygiene and environmental regulations.

We offer here a selection of the most popular materials together with their technical specifications.



## FIBREGLASS

Fibreglass insect screening is constructed using a fibreglass yarn with a vinyl coating in proportion 38% / 62% by weight. Fibreglass is the most widely used type of flyscreening material and is very easy to work with because it is pliable and easy to cut.

It is available in either grey or charcoal, but charcoal is increasingly popular because it is easier to see through from the inside and is less visible from the outside.

It is an inexpensive material; however, certain applications may require other materials, as outlined in this brochure.

### TECHNICAL SPECIFICATIONS

MATERIAL:	FIBREGLASS WITH VINYL COATING		
MESH COUNT PER INCH:	18X16	20X20	20X30
COLOURS	Charcoal or grey	Charcoal	Charcoal
STANDARD ROLL LENGTHS:	30m alternatively 50m	30m	30m
STANDARD ROLL WIDTHS:	1.2m, 1.8m	1.2m, 1.8m	1.2m, 1.8m
WEIGHT:	120 g/m <sup>2</sup>		
OPEN AREA:	65.7%	55%	47%
THREAD DIAMETER:	0.28mm	0.33mm	0.33mm

# ALUMINIUM

Aluminium is a popular alternative to fibreglass as it is more durable but is more expensive than fibreglass and not so easy to work with.

## TECHNICAL SPECIFICATIONS

MATERIAL:	Aluminium
MESH COUNT PER INCH:	18X16
WIRE DIAMETER:	0.28 mm
COLOURS:	Bright natural finish of charcoal
STANDARD ROLL LENGTH:	30m
STANDARD ROLL WIDTH::	1.22m, 1.8m
OPEN AREA:	65%
THREAD DIAMETER:	1.30X1.13mm

# STAINLESS STEEL

Stainless steel is the most durable of the materials here and has excellent resistance to corrosion. It is the most expensive of the four materials offered.

## TECHNICAL SPECIFICATIONS

MATERIAL:	Stainless Steel AISI 304
MESH COUNT PER INCH:	18X14
WIRE DIAMETER:	0.22 mm
STANDARD ROLL LENGTH:	30m
STANDARD ROLL WIDTH::	1.22m
OPEN AREA:	74%
THREAD DIAMETER:	1.35mm

