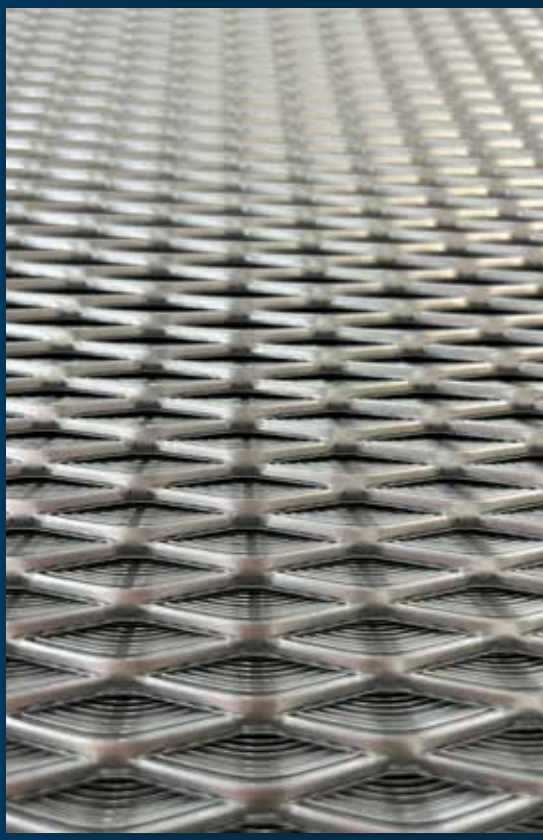
MEISER

Expanded Metal

Stock Catalogue

Mesh geometry
Diamond mesh
Experf mesh
Square mesh
Longway mesh

05 Product range
08 Mesh geometry
10 Diamond mesh
20 Experf mesh
23 Square mesh
28 Longway mesh
30 MEISER International



Efficiency with vision

Even after 70 years of company history, MEISER remains true to the principles that made the company strong: working reliably, thinking long term, taking responsibility and maintaining direct contact with customers. Tradition is not about looking back, but it does form the basis for the further development that extends far beyond the company's headquarters in Saarland.

Today, around 4,000 employees work for MEISER, including more than 2,800 in Germany. The two main production sites in Saarland and Saxony form the company's industrial foundation. They are complemented by production facilities in Dubai, Hungary, France, Belgium, Egypt, Brazil, Morocco, Romania, the Czech Republic, the US, Mexico and Turkey. In addition, further branches connect us with all major markets.

This creates a combination that defines MEISER: international capability and personal support on site. Customers benefit from short distances, direct communication and an understanding of regional requirements – backed by the experience of a company that has been active in different markets for decades and has a broad market presence.

As a steel-processing company, MEISER is active in the fields of gratings, sheet metal profiles, GRP, slit strip and galvanising. Further business areas, such as road safety, expanded metal, viticulture products and mounting systems for photovoltaic installations as well as scaffolding and sliding fittings, expand the portfolio and show how versatile the company's expertise can be.

Managing Directors Ulrich and Wolfgang Meiser

For us, an important factor in our quality is our high level of in-house value creation. With our own galvanising plants, slitting facilities and cold rolling mills, MEISER can control and coordinate all the central processes itself. This creates reliability – from planning through to the finished product. Modern production technology, state-of-the-art machinery and committed employees provide the foundation for stable processes and economical solutions.

Despite this growth, the focus on the customer remains decisive. For MEISER, progress means not only new technology or greater capacities, but, above all, better solutions developed through direct exchange. Many exceptional projects have emerged from this collaboration. They show what becomes possible when experience, proximity and trust come together.

We combine 70 years of company history with international presence and personal support. Customers can rely on this, today and in the future. MEISER – built for generations.

MEISER

Our business divisions are synonymous with leading solutions in steel processing.

SCAN

From the initial concept to the finished product, we support you with our expertise and innovative solutions in steel. We manufacture, finish and deliver with clearly defined responsibilities.
We operate cost-effectively and responsibly. With strong regional roots and an international presence, we provide reliable planning for your projects – from the initial consultation through to final acceptance.

Gratings

Customised solutions for complex tasks

meiser.de/en/business-areas/gratings

Road Safety

Well-thought-out solutions for the most stringent safety requirements

meiser.de/en/business-areas/road-safety

Solar Systems

Innovative mounting technology for the energy of tomorrow

meiser.de/en/business-areas/solar-systems

Agri Solutions

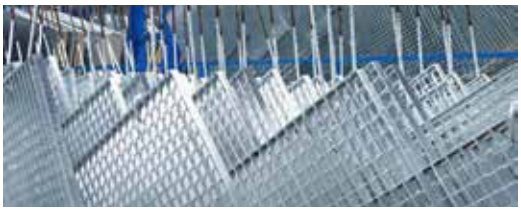
Genuine expertise for growing demands

meiser.de/en/business-areas/agri-solutions

Expanded Metal

Custom-made expanded metal designs at their best

meiser.de/en/business-areas/expanded-metal



Coating

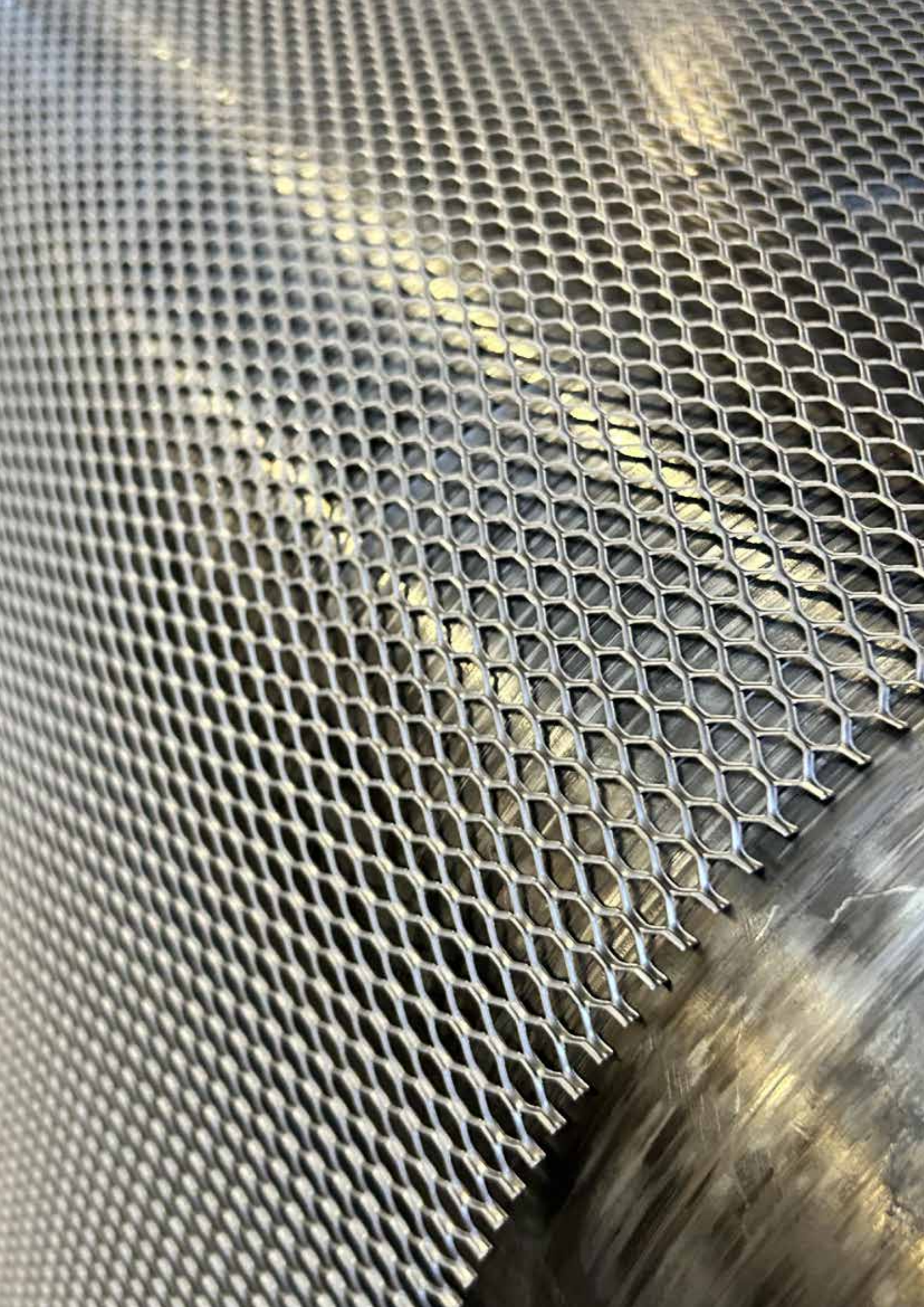
Precision coatings for reliable corrosion protection

meiser.de/en/business-areas/coating

Other Solutions

Versatile solutions for specific challenges

meiser.de/en/business-areas/other-solutions

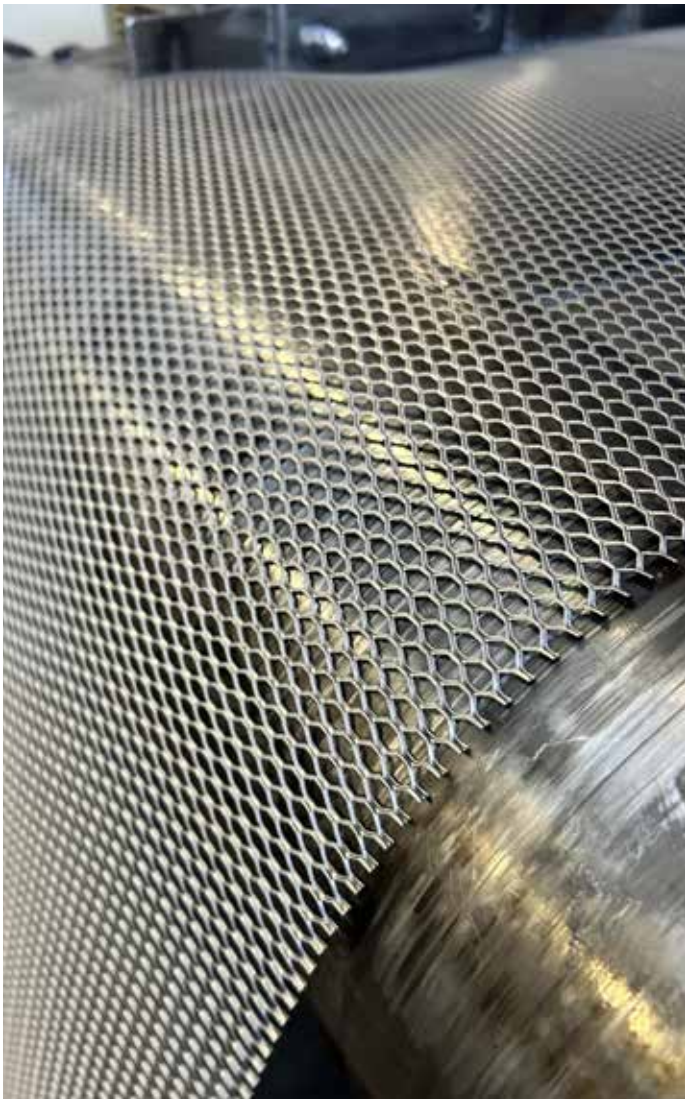


Mesh geometries

8 Mesh geometries
10 Diamond mesh
20 Experf mesh
23 Square mesh
28 Longway mesh

Mesh geometries

Expanded metal does not always look the same. On the contrary. Thanks to the wide variety of mesh sizes, materials and processing methods, countless unique products can be manufactured. For clarity, a distinction is made not only by mesh size but also by mesh shape.

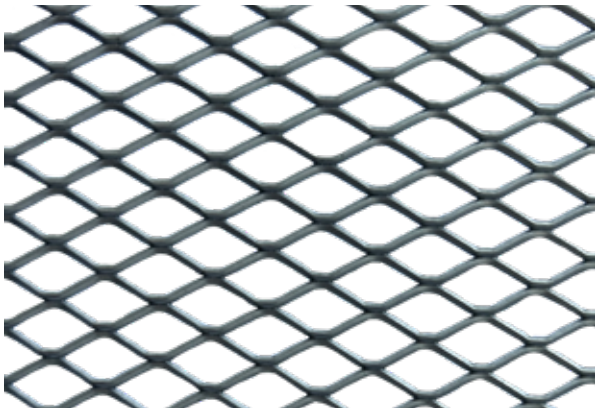


A robust roller guide ensures precise wire mesh production

Whether large, small or diagonal – the variety of mesh patterns gives expanded metal its unique aesthetic

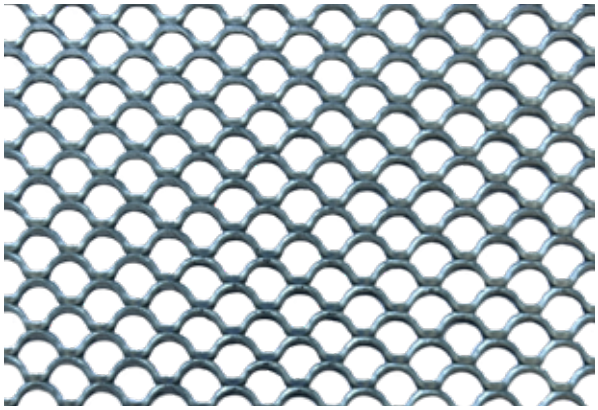
Diamond mesh

In most cases, the mesh of expanded metal takes the form of a diamond.



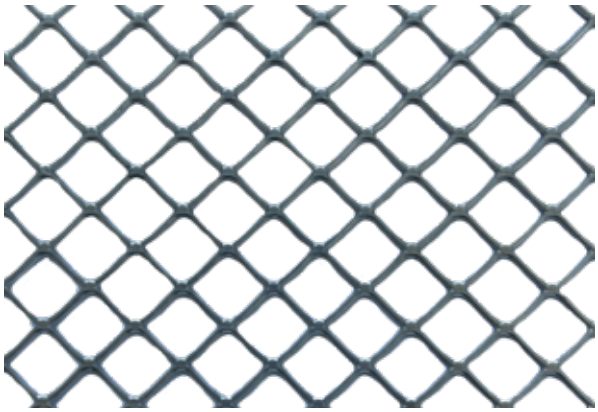
Experf mesh

Expanded metal is often regarded as a more cost-effective and sustainable alternative to perforated sheet metal. In the case of an Expf mesh, the mesh pattern resembles a round hole.



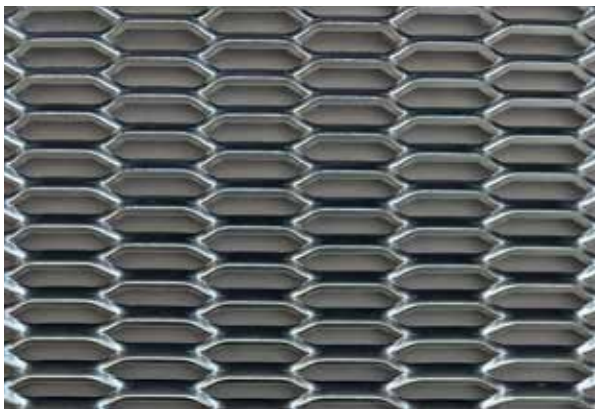
Square mesh

Expanded metal is usually rolled flat into a square mesh, resulting in a large open area despite the relatively small mesh openings.



Longway mesh

The long-stretch knit really stands out thanks to its distinctive look.

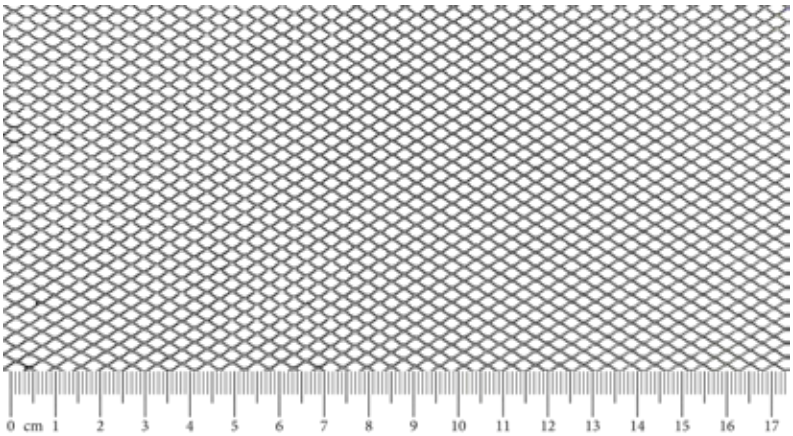


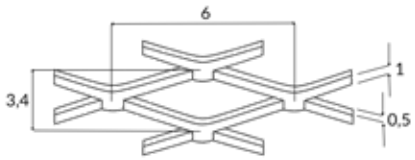
Diamond mesh

Form meets function

Expanded metal is extremely versatile – here used as a sturdy yet flexible fence

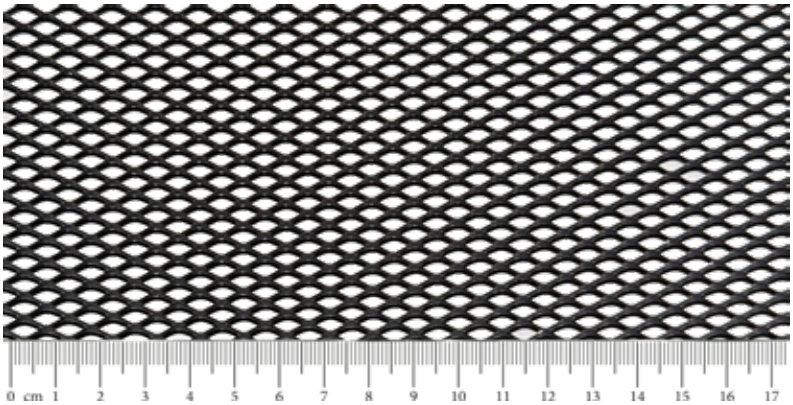
R-6

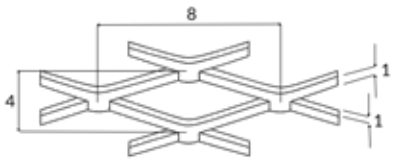




Material	ML (mm)	MB (mm)	SB (mm)	SD (mm)	**Approx. mesh thickness in mm**	Rolling method	Approx. open area in %	Approx. weight per sheet in kg	Dimensions in mm	Item number
Steel	6	3	1	0,5	2,1	raw	33	5,27	1000×2000	1855
Steel	6	3,7	0,5	0,5	0,7	raw	73	2,17	1000×2000	1856
Sendzimir galvanised steel	6	3,4	1	0,5	0,7	raw	41	7,36	1250×2500	4616
Aluminium 99.5	6	3,4	0,5	0,5	0,8	raw	71	0,8	1000×2000	4595
Stainless steel 1.4301	6	3,8	0,8	0,5	0,9	raw	58	3,37	1000×2000	1857

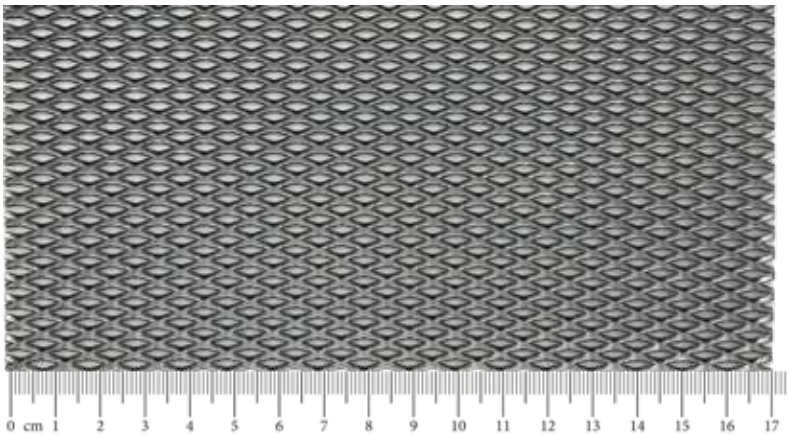
R-8

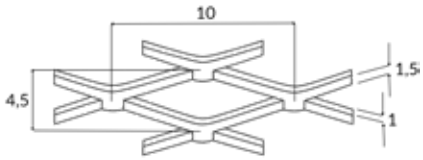




Material	ML (mm)	MB (mm)	SB (mm)	SD (mm)	**Approx. mesh thickness in mm**	Rolling method	Approx. open area in %	Approx. weight per sheet in kg	Dimensions in mm	Item number
Steel	8	4	1	1	2,2	raw	50	8	1000×2000	4618
Aluminium 99.5	8	4	1	1	2,2	raw	50	2,7	1000×2000	4617

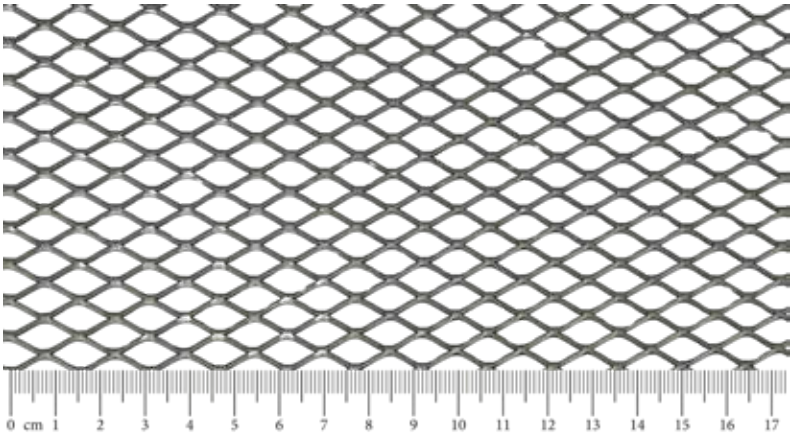
R-10

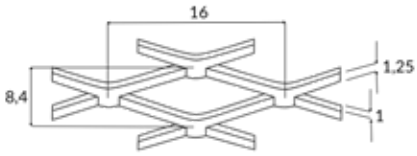




Material	ML (mm)	MB (mm)	SB (mm)	SD (mm)	**Approx. mesh thickness in mm**	Rolling method	Approx. open area in %	Approx. weight per sheet in kg	Dimensions in mm	Item number
Steel	10	4,5	1,5	1	2,1	raw	33	10,67	1000×2000	1824
Aluminium 99.5	10	5	1	1	2,2	raw	60	2,16	1000×2000	1823
Stainless steel 1.4301	10	5	1	0,8	0,8	flat-rolled	60	5,12	1000×2000	4629

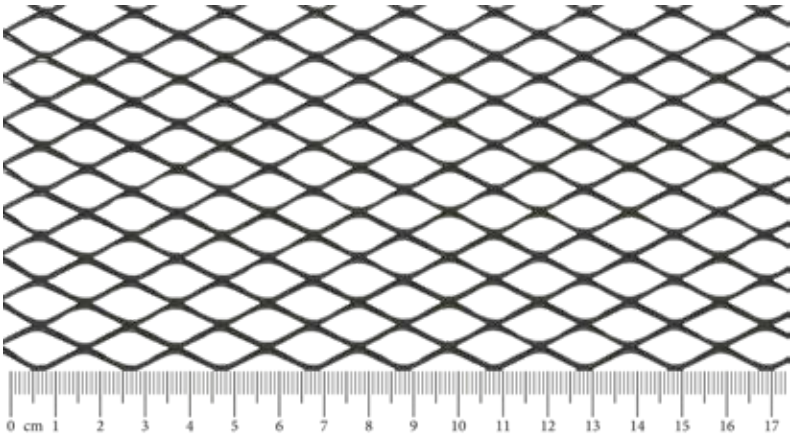
R-16

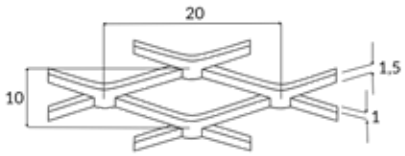




Material	ML (mm)	MB (mm)	SB (mm)	SD (mm)	**Approx. mesh thickness in mm**	Rolling method	Approx. open area in %	Approx. weight per sheet in kg	Dimensions in mm	Item number
Steel	16	8	1,5	1	3	raw	63	9,38	1250×2500	4597
Steel	16	8	2,5	1,5	3,4	raw	38	23,44	1250×2500	1828
Sendzimir galvanised steel	16	8	2	1	2,8	raw	50	12,5	1250×2500	4402
Sendzimir galvanised steel	16	8	2,5	1,5	3	raw	38	23,15	1250×2500	1827
Aluminium 99.5	16	8	1,5	1	2	raw	63	2,03	1000×2000	4596
Stainless steel 1.4301	16	8,4	1,25	1	2	raw	70	7,45	1250×2500	1829

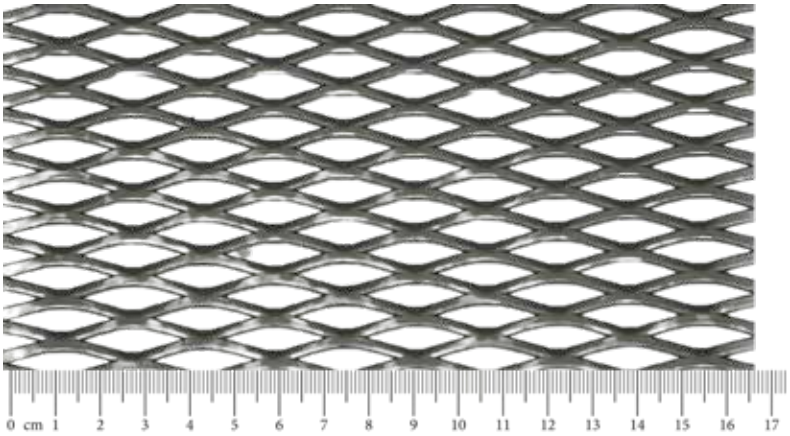
R-20

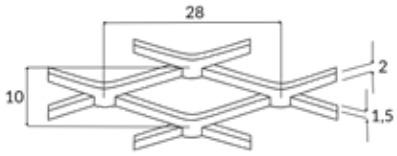




Material	ML (mm)	MB (mm)	SB (mm)	SD (mm)	**Approx. mesh thickness in mm**	Rolling method	Approx. open area in %	Approx. weight per sheet in kg	Dimensions in mm	Item number
Steel	20	10	1,5	1	3,1	raw	70	4,8	1000×2000	1830

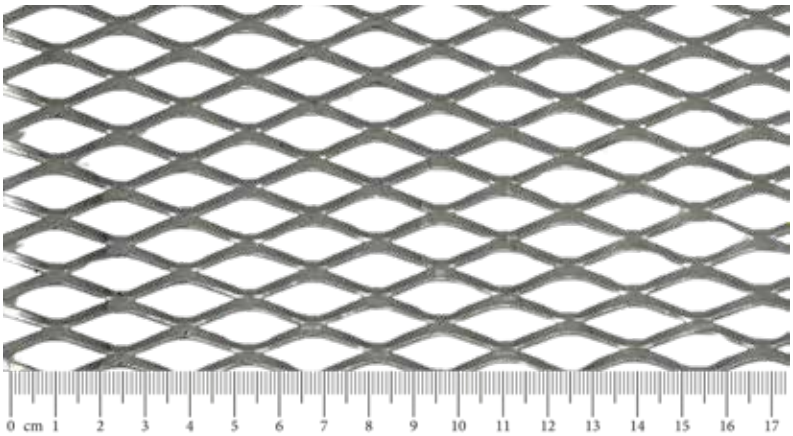
R-28-10

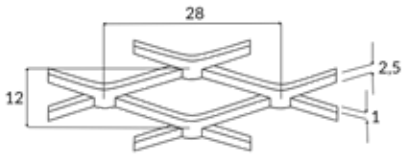




Material	ML (mm)	MB (mm)	SB (mm)	SD (mm)	**Approx. mesh thickness in mm**	Rolling method	Approx. open area in %	Approx. weight per sheet in kg	Dimensions in mm	Item number
Steel	28	10	2	1,5	4,2	raw	60	15	1250×2500	3639

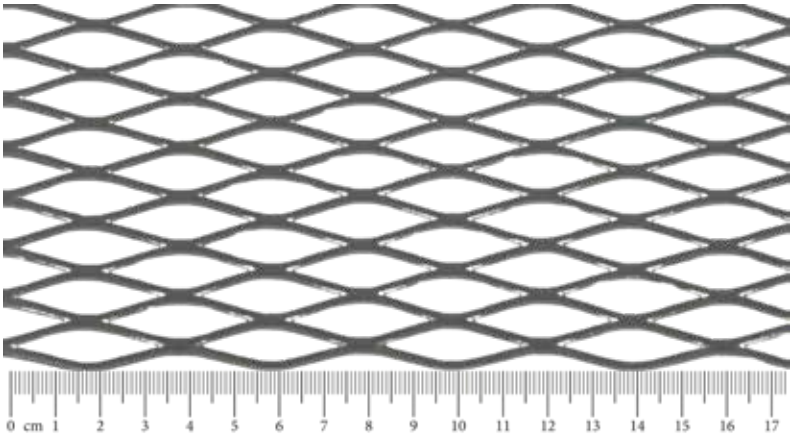
R-28-12

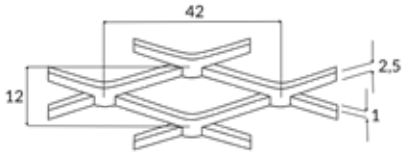




Material	ML (mm)	MB (mm)	SB (mm)	SD (mm)	**Approx. mesh thickness in mm**	Rolling method	Approx. open area in %	Approx. weight per sheet in kg	Dimensions in mm	Item number
Steel	28	12	2,5	1	5,1	raw	58	6,67	1000×2000	1678
Steel	28	12	2,5	2	5,3	raw	58	13,34	1000×2000	1833
Steel	28	12	2,5	2	4,8	raw	58	20,84	1250×2500	1835
Steel	28	12	2,5	2	5,3	raw	58	30	1500×3000	1831
Stainless steel 1.4301	28	12	2,5	1	3,2	raw	58	6,67	1000×2000	1834

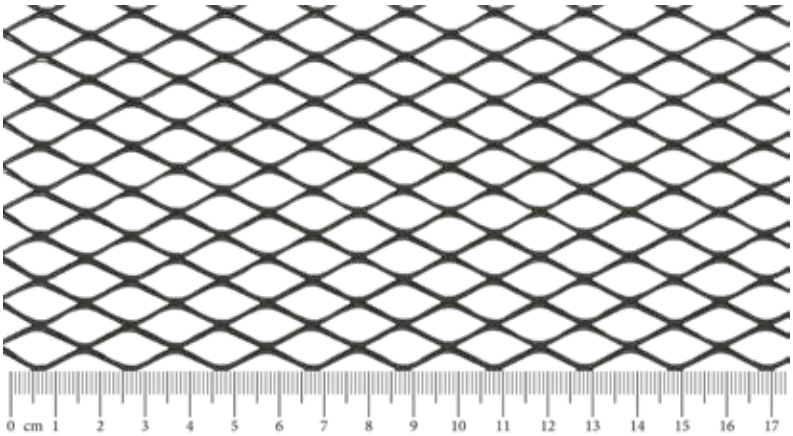
R-42

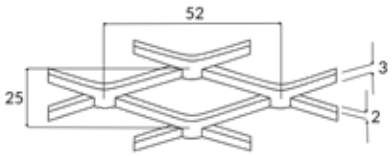




Material	ML (mm)	MB (mm)	SB (mm)	SD (mm)	**Approx. mesh thickness in mm**	Rolling method	Approx. open area in %	Approx. weight per sheet in kg	Dimensions in mm	Item number
Steel	42	12	2,5	1	5,1	raw	58	6,67	1000×2000	1836
Steel	42	13	3	1,5	6,2	raw	54	10,94	1000×2000	5961
Steel	42	13	3	2	6	raw	54	14,77	1000×2000	1838
Steel	42	13	3	2	6	raw	54	23,08	1250×2500	1840
Steel	43	13	2,5	1,5	5,2	raw	62	14,43	1250×2500	4636
Stainless steel 1.4301	42	13	3	1,5	6	raw	54	11,08	1000×2000	1839

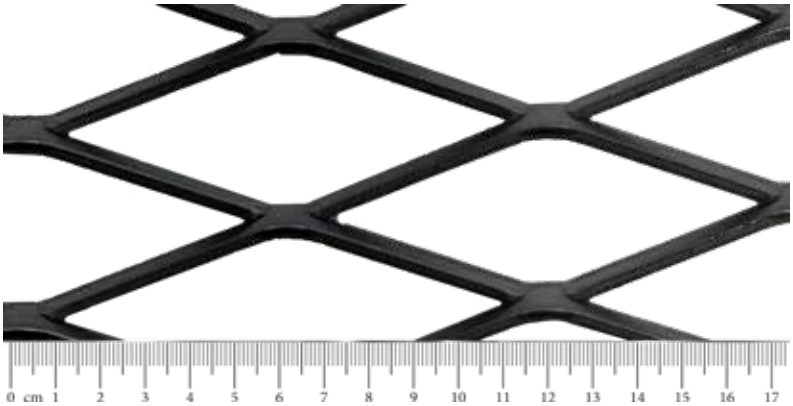
R-52

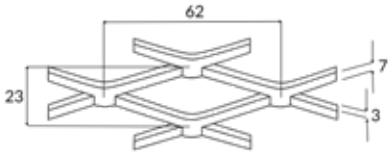




Material	ML (mm)	MB (mm)	SB (mm)	SD (mm)	**Approx. mesh thickness in mm**	Rolling method	Approx. open area in %	Approx. weight per sheet in kg	Dimensions in mm	Item number
Steel	52	25	3	2	6,2	raw	76	12	1250×2500	4611

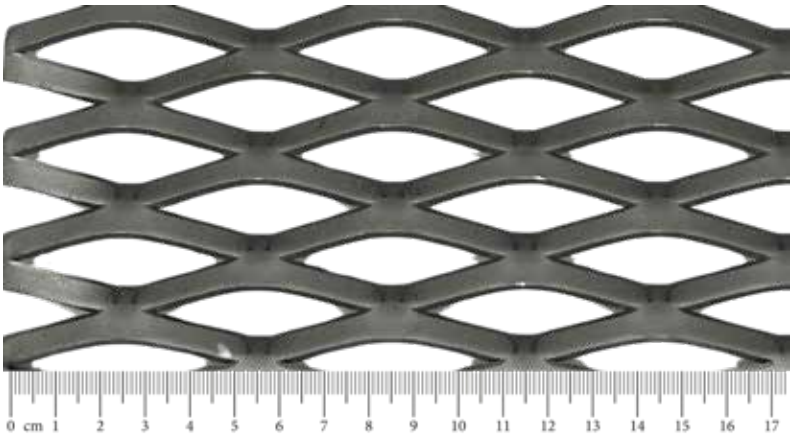
R-62-21

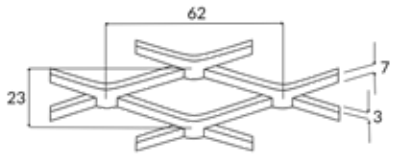




Material	ML (mm)	MB (mm)	SB (mm)	SD (mm)	**Approx. mesh thickness in mm**	Rolling method	Approx. open area in %	Approx. weight per sheet in kg	Dimensions in mm	Item number
Steel	62	21	2,5	2	5,2	raw	76	7,62	1000×2000	1844

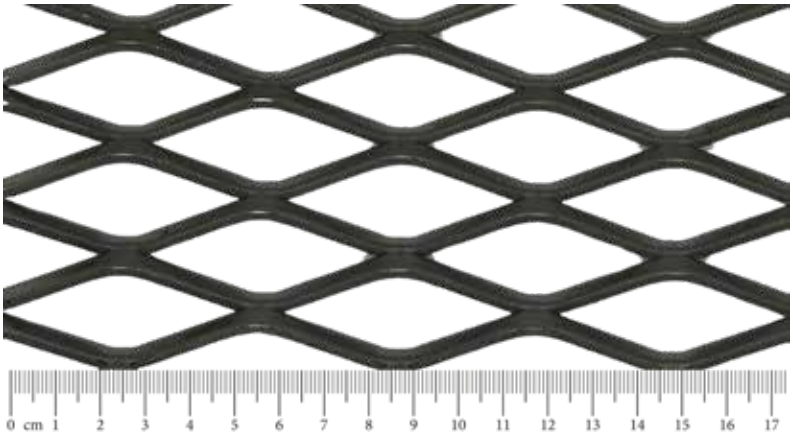
R-62-23

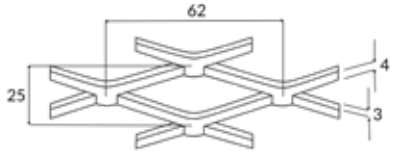




Material	ML (mm)	MB (mm)	SB (mm)	SD (mm)	**Approx. mesh thickness in mm**	Rolling method	Approx. open area in %	Approx. weight per sheet in kg	Dimensions in mm	Item number
Steel	62	23	7	3	12	raw	39	29,22	1000×2000	1846
Steel	62	23	7	3	12	raw	39	45,66	1250×2500	1847
Aluminium 99.5	62	23	7	3	11,5	raw	39	9,87	1000×2000	1845

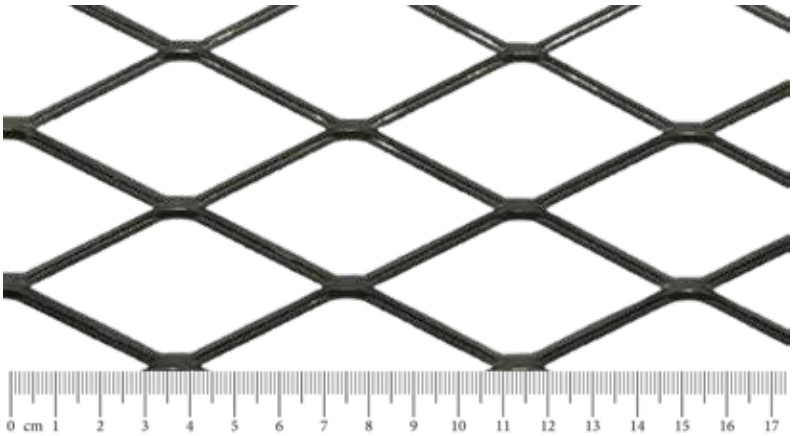
R-62-25

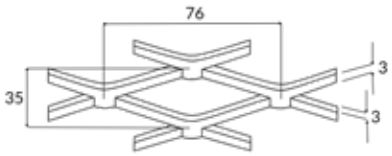




Material	ML (mm)	MB (mm)	SB (mm)	SD (mm)	**Approx. mesh thickness in mm**	Rolling method	Approx. open area in %	Approx. weight per sheet in kg	Dimensions in mm	Item number
Steel	62	25	3	3	6,3	raw	76	11,52	1000×2000	1848
Steel	62	25	4	3	8,4	raw	68	15,36	1000×2000	1851
Steel	62	25	4	3	8,4	raw	68	24	1250×2500	1853
Steel	62	25	4	3	8,4	raw	68	34,56	1500×3000	4614

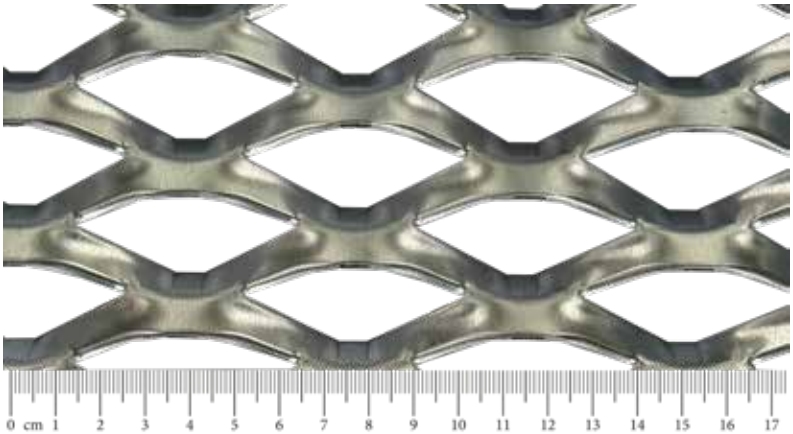
R-76-3

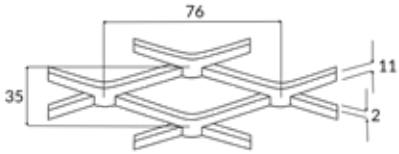




Material	ML (mm)	MB (mm)	SB (mm)	SD (mm)	**Approx. mesh thickness in mm**	Rolling method	Approx. open area in %	Approx. weight per sheet in kg	Dimensions in mm	Item number
Steel	76	35	3	3	6,2	raw	83	12,86	1250×2500	1858

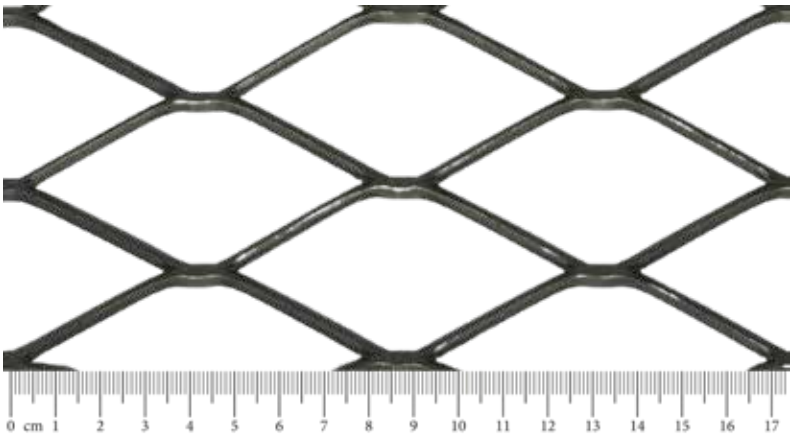
R-76-11

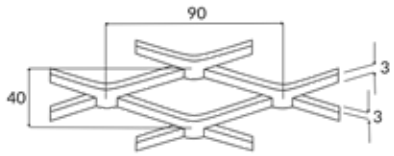




Material	ML (mm)	MB (mm)	SB (mm)	SD (mm)	**Approx. mesh thickness in mm**	Rolling method	Approx. open area in %	Approx. weight per sheet in kg	Dimensions in mm	Item number
Aluminium 99.5	76	35	11	2	14,9	raw	37	15,28	1500×3000	3396

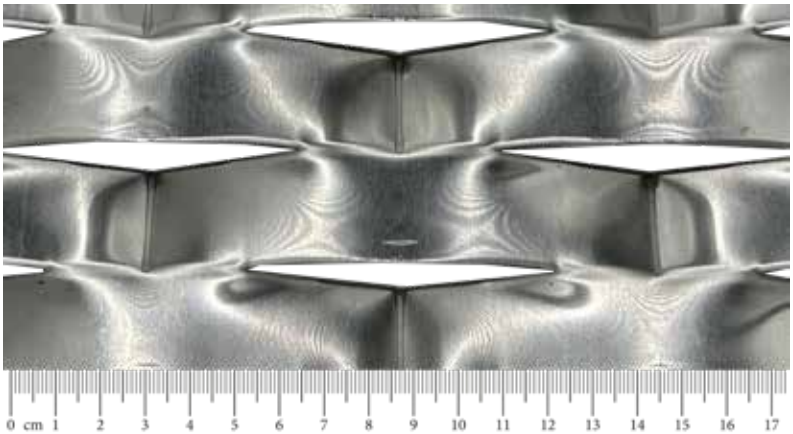
R-90

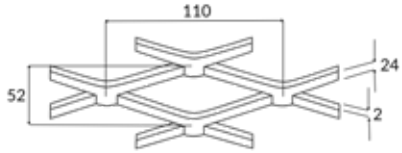




Material	ML (mm)	MB (mm)	SB (mm)	SD (mm)	**Approx. mesh thickness in mm**	Rolling method	Approx. open area in %	Approx. weight per sheet in kg	Dimensions in mm	Item number
Steel	90	40	3	3	6,2	raw	85	11,25	1250×2500	1859

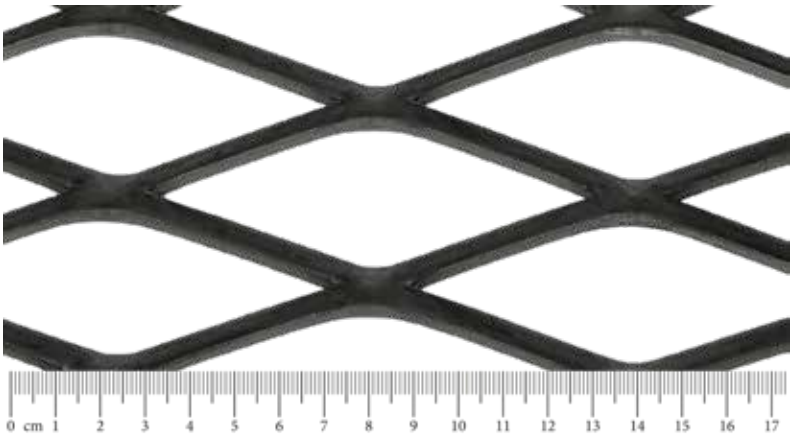
R-110

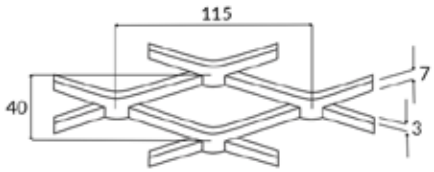




Material	ML (mm)	MB (mm)	SB (mm)	SD (mm)	**Approx. mesh thickness in mm**	Rolling method	Approx. open area in %	Approx. weight per sheet in kg	Dimensions in mm	Item number
Aluminium 99.5	110	52	24	2	20	raw	8	9,97	1000×2000	1866

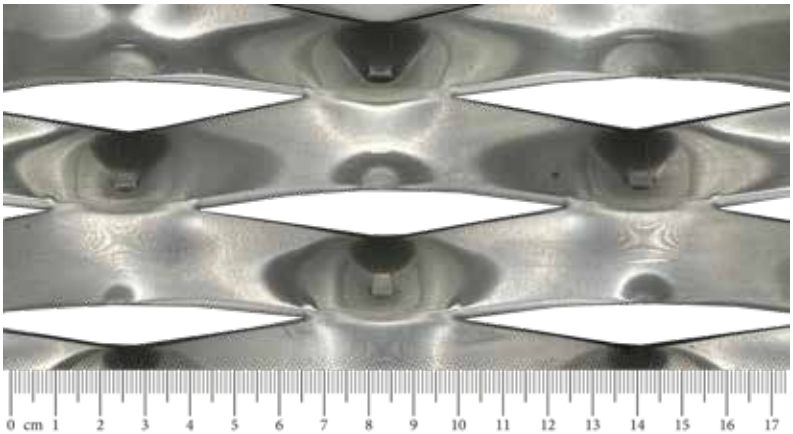
R-115-40

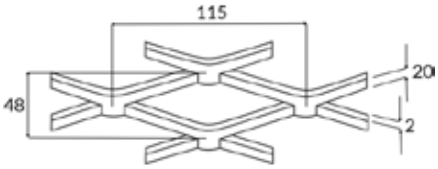




Material	ML (mm)	MB (mm)	SB (mm)	SD (mm)	**Approx. mesh thickness in mm**	Rolling method	Approx. open area in %	Approx. weight per sheet in kg	Dimensions in mm	Item number
Steel	115	40	7	3	14,3	raw	65	16,8	1000×2000	4204

R-115-48





Material	ML (mm)	MB (mm)	SB (mm)	SD (mm)	**Approx. mesh thickness in mm**	Rolling method	Approx. open area in %	Approx. weight per sheet in kg	Dimensions in mm	Item number
Aluminium 99.5	115	48	20	2	19,6	raw	17	20,25	1500×3000	4615

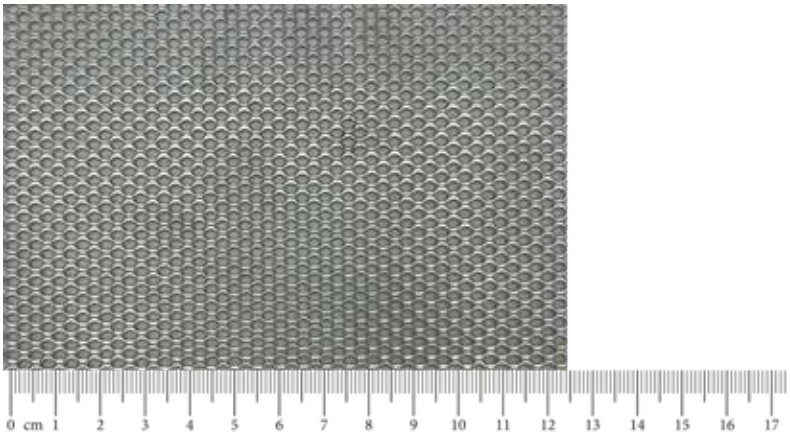
Experf mesh

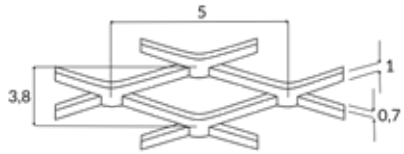
Modern, functional, durable

Reiferbahn Sports Hall, Schwerin

E-5

The hole diameter is approximately 2.5 mm

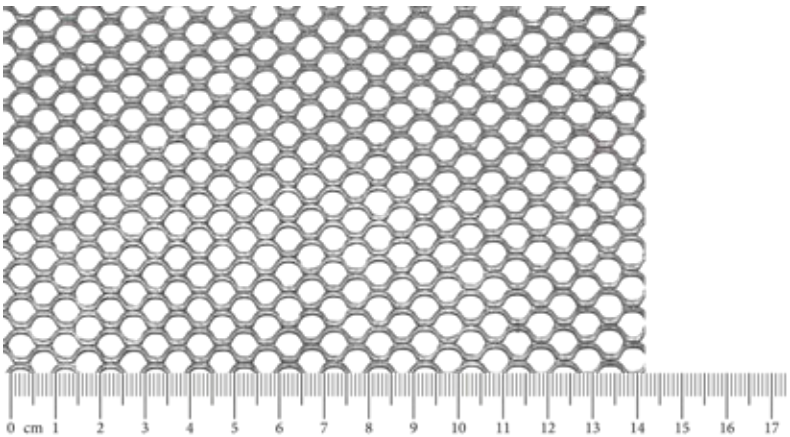


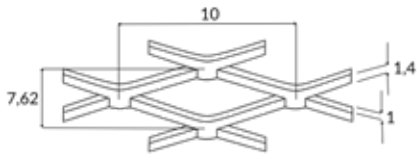


Material	ML (mm)	MB (mm)	SB (mm)	SD (mm)	**Approx. mesh thickness in mm**	Rolling method	Approx. open area in %	Approx. weight per sheet in kg	Dimensions in mm	Item number
Sendzimir galvanised steel	5	3,8	1	0,7	0,7	flat-rolled	47	5,9	1000×2000	1308
Sendzimir galvanised steel	5	3,8	1,1	1	1	flat-rolled	42	9,27	1000×2000	1309

E-10

The hole diameter is approximately 5 mm

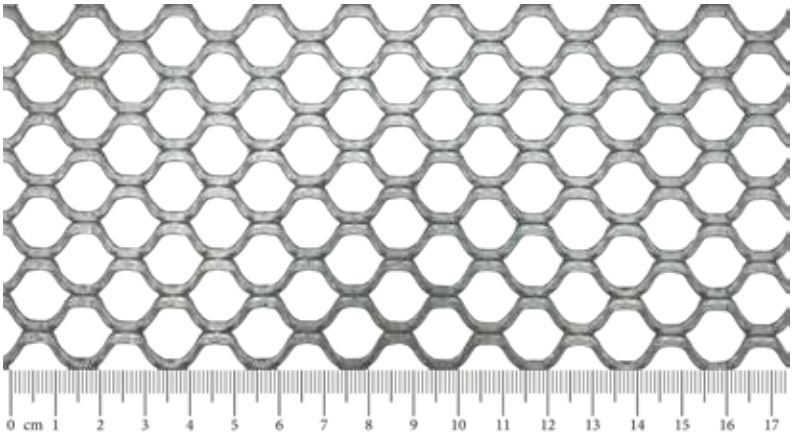


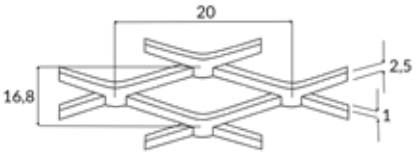


Material	ML (mm)	MB (mm)	SB (mm)	SD (mm)	**Approx. mesh thickness in mm**	Rolling method	Approx. open area in %	Approx. weight per sheet in kg	Dimensions in mm	Item number
Sendzimir galvanised steel	10	7,62	14	0,7	0,7	flat-rolled	63	4,12	1000×2000	1306
Sendzimir galvanised steel	10	7,62	1,4	1	1	flat-rolled	63	5,88	1000×2000	1761
Sendzimir galvanised steel	10	7,62	1,4	1	1	flat-rolled	63	9,19	1250×2500	1303
Sendzimir galvanised steel	10	7,62	1,4	1	1	flat-rolled	63	13,23	1500×3000	1316
Aluminium 99.5	10	7,62	1,4	1	1	flat-rolled	63	1,99	1000×2000	1317

E-20

The hole diameter is approximately 10 mm





Material	ML (mm)	MB (mm)	SB (mm)	SD (mm)	**Approx. mesh thickness in mm**	Rolling method	Approx. open area in %	Approx. weight per sheet in kg	Dimensions in mm	Item number
Sendzimir galvanised steel	10	7,62	14	0,7	0,7	flat-rolled	63	4,12	1000×2000	1306
Sendzimir galvanised steel	10	7,62	1,4	1	1	flat-rolled	63	5,88	1000×2000	1761
Sendzimir galvanised steel	10	7,62	1,4	1	1	flat-rolled	63	9,19	1250×2500	1303
Sendzimir galvanised steel	10	7,62	1,4	1	1	flat-rolled	63	13,23	1500×3000	1316
Aluminium 99.5	10	7,62	1,4	1	1	flat-rolled	63	1,99	1000×2000	1317

Theresienwiese, Munich

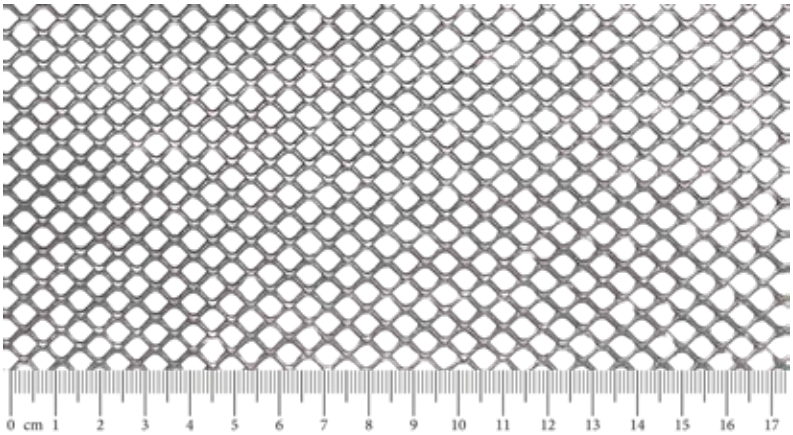
Square mesh

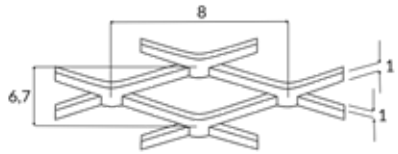
Uniform structure for precise applications

Wüstenrot Head Office, Salzburg

Q-8

The hole diameter is approximately 5 mm

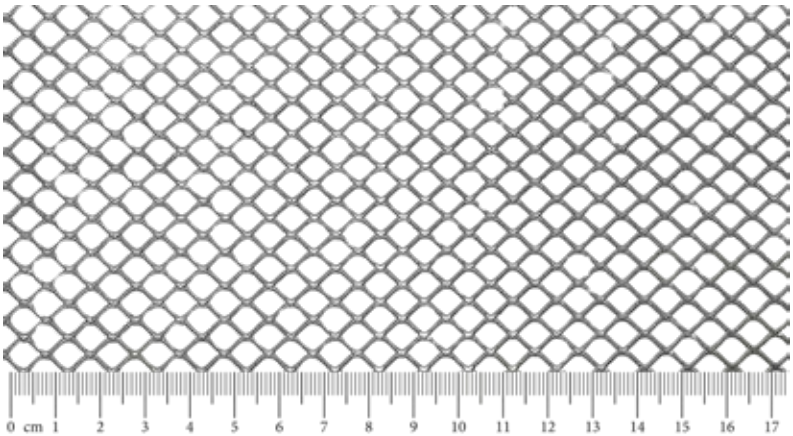


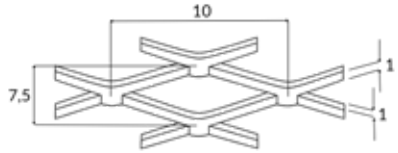


Material	ML (mm)	MB (mm)	SB (mm)	SD (mm)	**Approx. mesh thickness in mm**	Rolling method	Approx. open area in %	Approx. weight per sheet in kg	Dimensions in mm	Item number
Sendzimir galvanised steel	8	6,7	1	1	1	flat-rolled	70	4,78	1000×2000	1821

Q-10

The hole diameter is approximately 6 mm

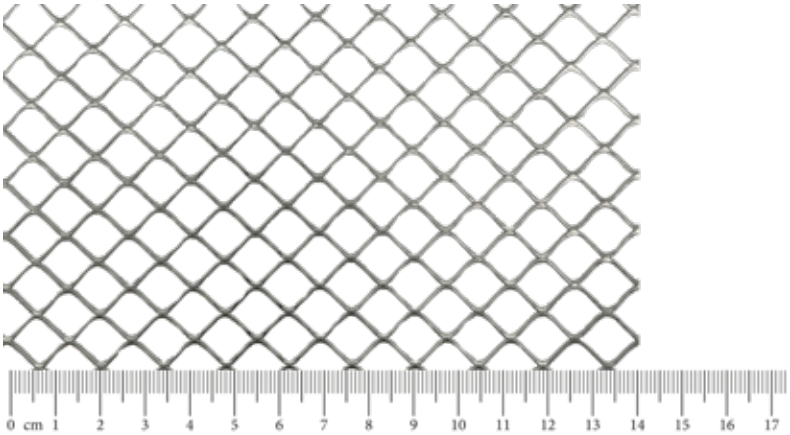


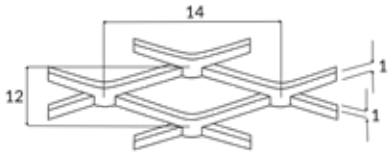


Material	ML (mm)	MB (mm)	SB (mm)	SD (mm)	**Approx. mesh thickness in mm**	Rolling method	Approx. open area in %	Approx. weight per sheet in kg	Dimensions in mm	Item number
Sendzimir galvanised steel	10	7,5	1	1	1	flat-rolled	73	4,27	1000×2000	1313

Q-14

The hole diameter is approximately 8 mm

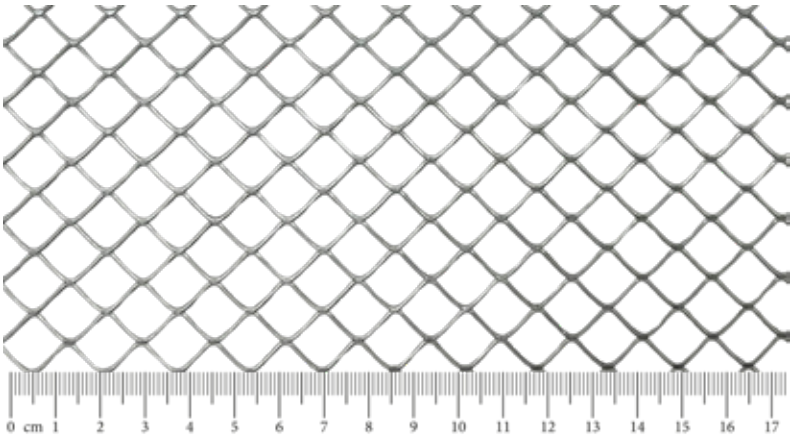


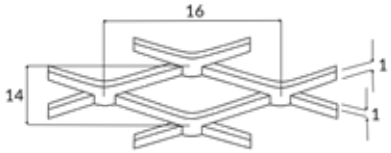


Material	ML (mm)	MB (mm)	SB (mm)	SD (mm)	**Approx. mesh thickness in mm**	Rolling method	Approx. open area in %	Approx. weight per sheet in kg	Dimensions in mm	Item number
Aluminium 99.5	14	12	1	1	1	flat-rolled	83	0,9	1000×2000	1314

Q-16

The hole diameter is approximately 10 mm

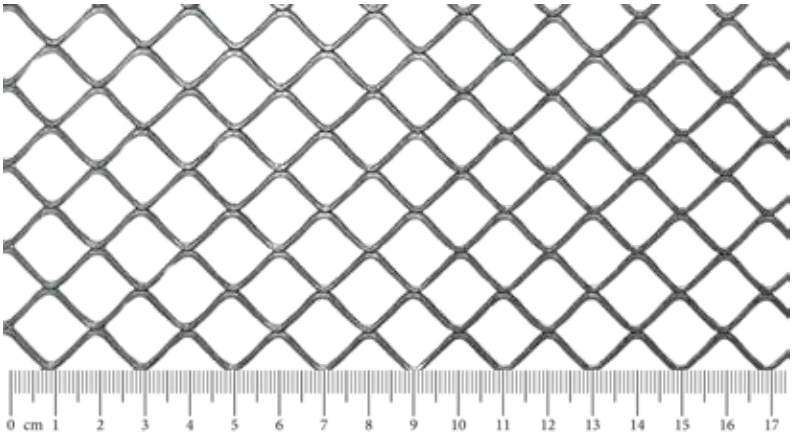


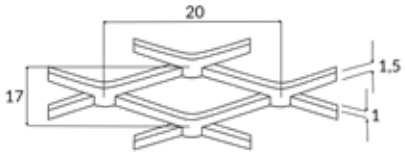


Material	ML (mm)	MB (mm)	SB (mm)	SD (mm)	**Approx. mesh thickness in mm**	Rolling method	Approx. open area in %	Approx. weight per sheet in kg	Dimensions in mm	Item number
Sendzimir galvanised steel	16	14	1	1	1	flat-rolled	86	2,29	1000×2000	1320

Q-20

The hole diameter is approximately 12 mm

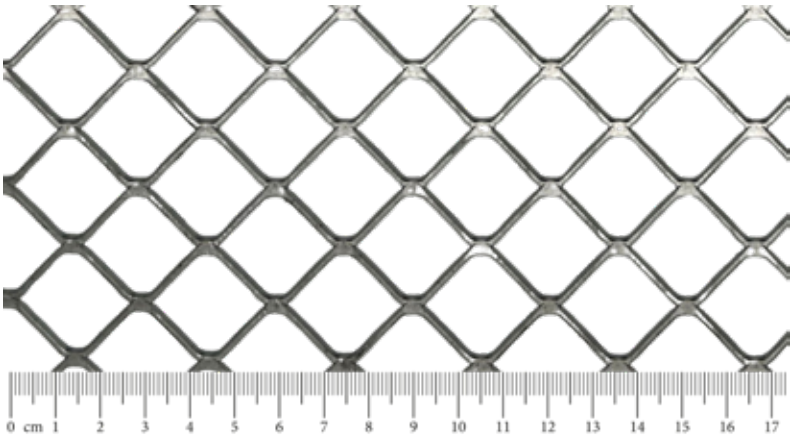


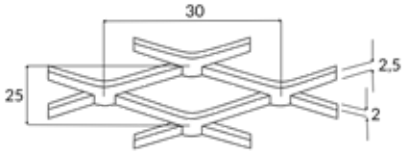


Material	ML (mm)	MB (mm)	SB (mm)	SD (mm)	**Approx. mesh thickness in mm**	Rolling method	Approx. open area in %	Approx. weight per sheet in kg	Dimensions in mm	Item number
Sendzimir galvanised steel	20	17	1,5	1	1	flat-rolled	82	2,83	1000×2000	1820

Q-30

The hole diameter is approximately 17 mm

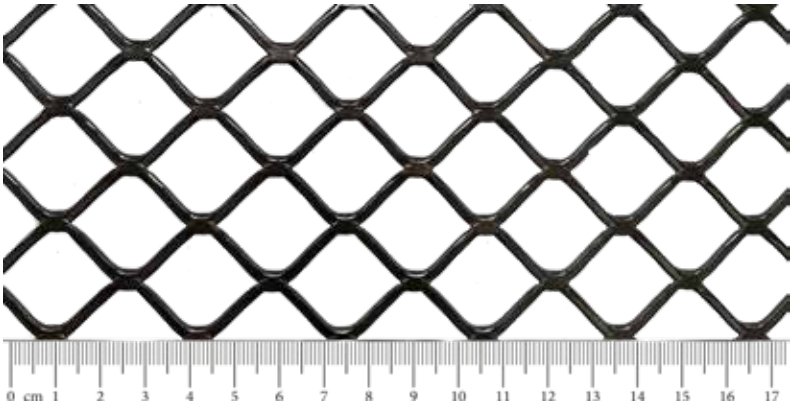


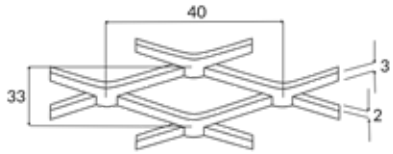


Material	ML (mm)	MB (mm)	SB (mm)	SD (mm)	**Approx. mesh thickness in mm**	Rolling method	Approx. open area in %	Approx. weight per sheet in kg	Dimensions in mm	Item number
Steel	30	25	2,5	2	2	flat-rolled	80	10	1250×2500	4600

Q-40

The hole diameter is approximately 23 mm

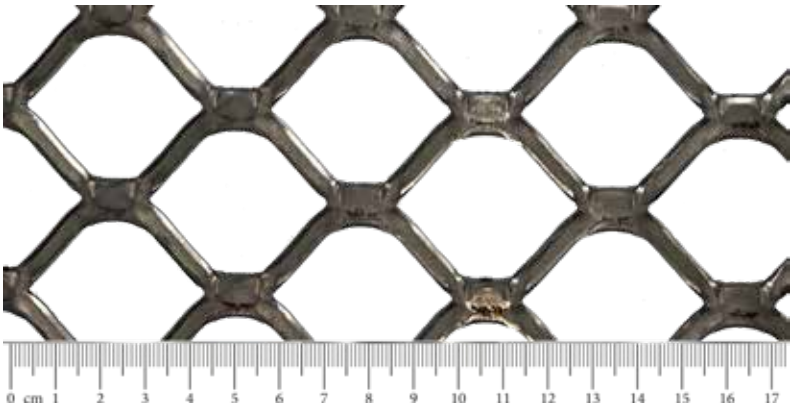


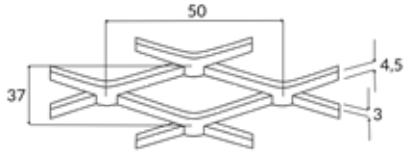


Material	ML (mm)	MB (mm)	SB (mm)	SD (mm)	**Approx. mesh thickness in mm**	Rolling method	Approx. open area in %	Approx. weight per sheet in kg	Dimensions in mm	Item number
Steel	40	33	3	2	2	flat-rolled	82	5,82	1000×2000	4607

Q-50

The hole diameter is approximately 23 mm

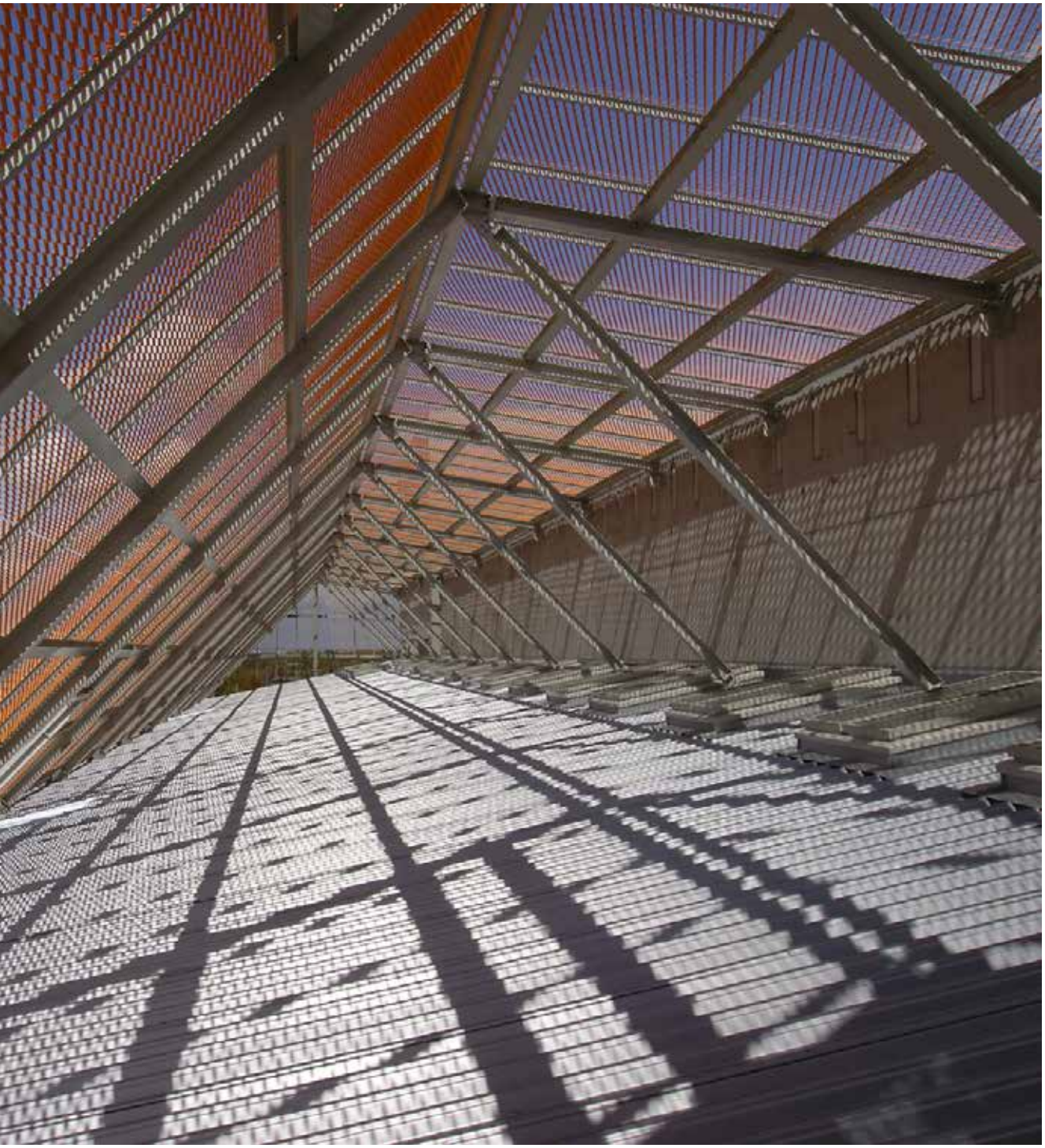




Material	ML (mm)	MB (mm)	SB (mm)	SD (mm)	**Approx. mesh thickness in mm**	Rolling method	Approx. open area in %	Approx. weight per sheet in kg	Dimensions in mm	Item number
Steel	50	37	4,5	3	3	flat-rolled	76	11,68	1000×2000	4621

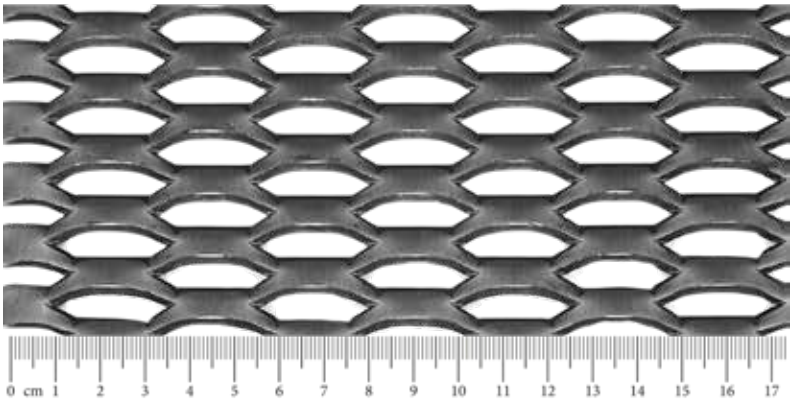
Longway mesh

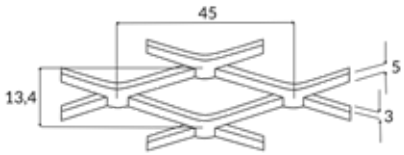
Maximum stability with clean lines



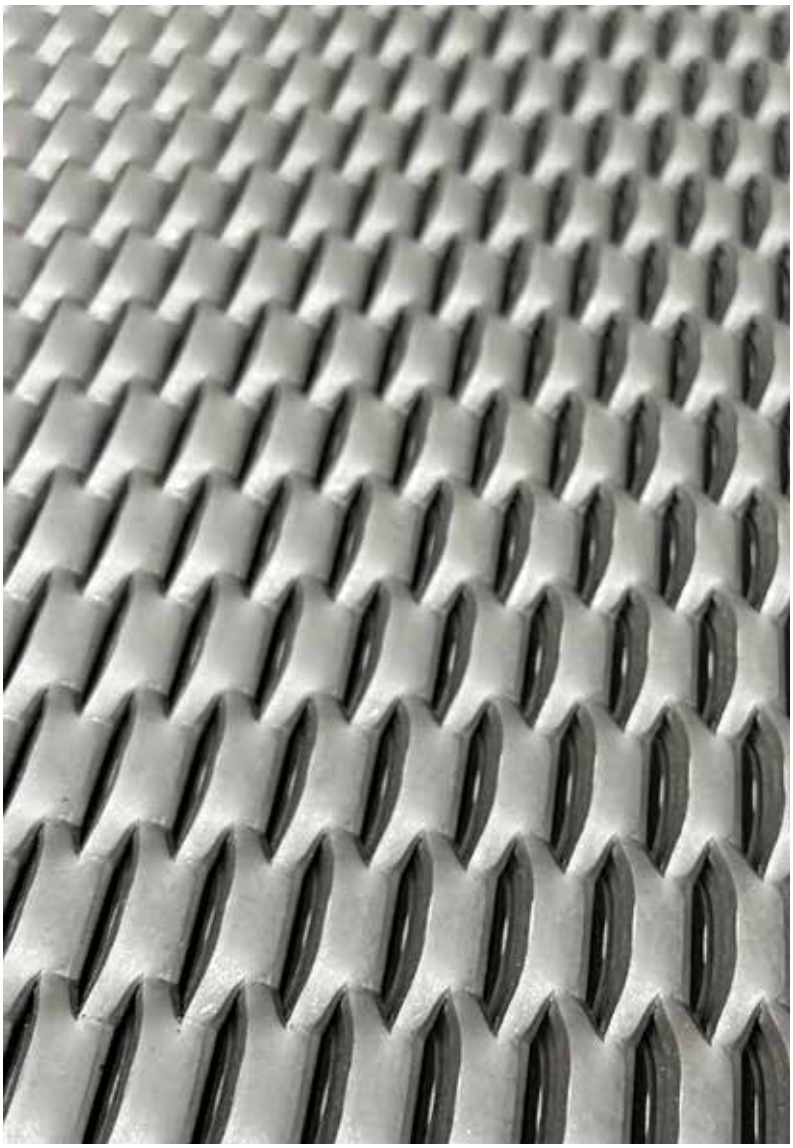
Expanded metal used for the roof of the Vienna waste-to-energy plant

L-45





Material	ML (mm)	MB (mm)	SB (mm)	SD (mm)	**Approx. mesh thickness in mm**	Rolling method	Approx. open area in %	Approx. weight per sheet in kg	Dimensions in mm	Item number
Steel	45	13,4	5	3	8	raw	25	55,98	1250×2500	1841



Close-up of a 45-gauge steel longway mesh

since 1956
in Schmelz-Limbach

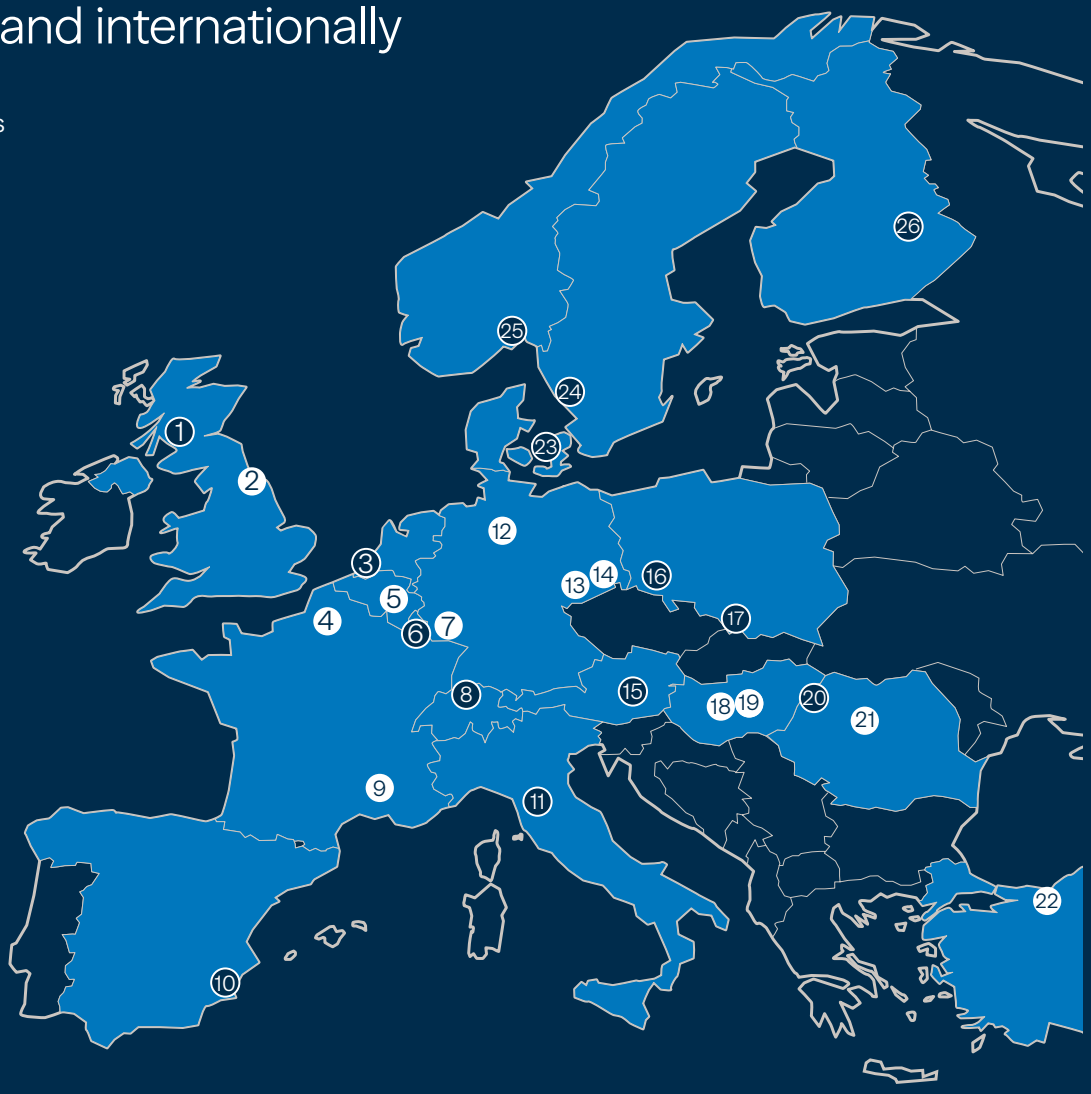
since 1991
in Oelsnitz/Vogtland

1. Meiser UK Ltd
2. The Expanded Metal Company
3. RST Meiser Nederland B.V.
4. Meiser Sarl
5. Meiser Fameco S.A.
6. Distriroute SAS
7. Gebrüder Meiser GmbH
   Meiser Solar GmbH
   Meiser Road Safety GmbH
8. PMI MEISER Gitterroste AG
9. Meiser Agriculture Solutions S.A.S.
10. Meiser Rejillas Hispania S.L.
11. Meiser Agriculture Solutions Italia
12. Meiser Streckmetall GmbH
13. Meiser Vogtland GmbH & Co. KG
14. ALFIX GmbH
15. Meiser Österreich GmbH
16. Meiser Road Safety Sp.z o.o
17. Meiser Polska SP.z o.o
18. Meiser Ferroste Kft.
19. ALFIX Ungarn Kft.
20. Meiser România SRL
21. Meiser FRP S.R.L.
22. Meiser Izgara San ve Tic Ltd Sti
23. Meiser SEMITECH A/S
24. Meiser Sweden AB
25. Meiser Norway AS
26. Finnritilä OY
27. IKG - Mexico
28. IKG - Houston, Texas
29. Meiser gratings Inc.
30. IKG - Indiana
31. Marangoni MEISER USA
    Marangoni MEISER
32. Meiser-Maghreb GmbH
33. Meiser Algerie Sarl.
34. Hady MEISER Egypt
35. Meiser AC Sarl
36. Lionweld MEISER LLC

MEISER's production sites and branches. Nationally and internationally

Production sites

Offices



MEISER Worldwide

SCAN

Scan here to see all MEISER locations and other branches – worldwide

Meiser Holding GmbH
Edmund Meiser Straße 1
66839 Schmelz-Limbach

Tel: +49 6887 309-0
Email: info@meiser.de

digital / 10.2026