

RIDGEWAY

INTRODUCING MICROMESH

PRECISION ENGINEERED PRODUCTS FOR SPECIALIST APPLICATIONS

**An extremely fine expanded metal mesh which
can be created from a range of ductile
materials**

A cost-effective
alternative to
perforated metal

Can be used across
multiple sectors
including engineering
and manufacturing

Cuts down
expenditure on
high value raw
materials

Can be manufactured
to end user's
exact requirements

About Micromesh

Designed for use in challenging technological and scientific applications, micromesh is a precision product that retains all of the benefits of expanded metal mesh.

Micromesh's qualities make it suitable for use in a variety of specialist industries and applications, such as aerospace, battery fuel cells, filtration, green energy and electro-magnetic shielding.

The Expanded Metal Company can work with your product development team, from concept to production, to customise micromesh and shape it to specific requirements.

The expanding process involves slitting and stretching the material to create holes, rather than punching them out. This provides immediate cost savings when compared to perforated metal, which is especially useful when high value raw materials such as nickel are being used in the manufacturing process.

In addition, expanded metal mesh is more durable than woven wire mesh. As the manufacturing process for woven wire mesh relies heavily on tension rather than mechanical fixing, woven wire is prone to fray and not ideally suited to formed components.

We can supply micromesh in materials including:

- Aluminium
- Bronze
- Copper
- Nickel
- Platinum
- Steel
- 316L grade stainless steel
- 304 grade stainless steel
- Zintec



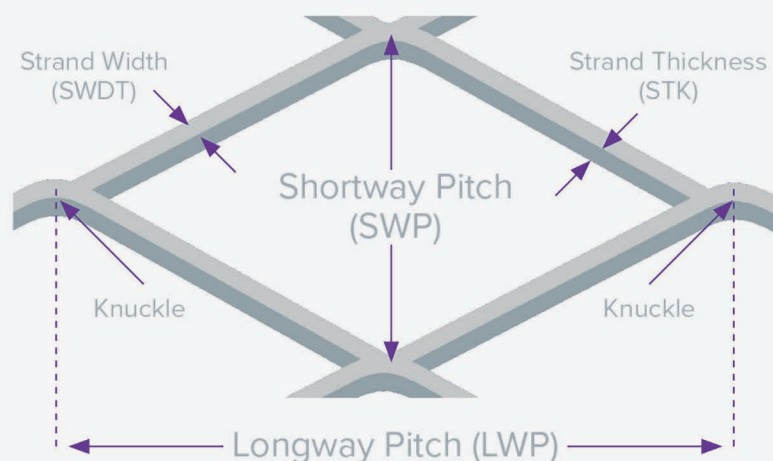
Micromesh with 50p coin for reference of scale

Product specifications

A selection of standard micromesh products available from The Expanded Metal Company.

Product Code	Longway Pitch LWP (mm)	Shortway Pitch SWP (mm)	Strand Width SWDT (mm)	Strand Thickness STK (mm)	Material	Weight (KG/M ²)	Open Area %
P08925	0.50	0.42	0.10	0.13	Nickel	0.55	52%
P08926	0.80	0.49	0.10	0.13	Nickel	0.47	59%
P08927	0.80	0.46	0.15	0.15	316L	0.79	35%
P00941	1.00	0.67	0.20	0.15	316L	0.72	40%
P08928	1.00	0.75	0.27	0.20	Steel	1.13	28%
P00957	1.50	0.92	0.22	0.15	316L	0.81	52%
P08929	2.00	1.80	0.50	0.30	Zintec	1.31	44%
P08930	2.00	1.45	0.40	0.30	Steel	1.30	45%
P08931	2.00	1.45	0.40	0.30	304	1.32	45%
P08932	2.00	1.55	0.16	0.20	Nickel	0.37	79%
P08933	2.00	1.50	0.40	0.18	Bronze	0.85	47%
P08934	2.50	1.60	0.35	0.25	304	0.88	56%
P08935	2.50	1.90	0.63	0.50	Zintec	2.60	34%
P08936	2.50	1.70	0.45	0.50	Zintec	2.08	47%
P08937	2.50	2.00	0.60	0.50	Zintec	2.36	40%

Expanded metal measuring guide



MICROMESH IS USED ACROSS INDUSTRIES AND APPLICATIONS INCLUDING:



Aerospace



Automotive



Manufacturing



Engineering



Defence



Filtration



Chemical
Processing

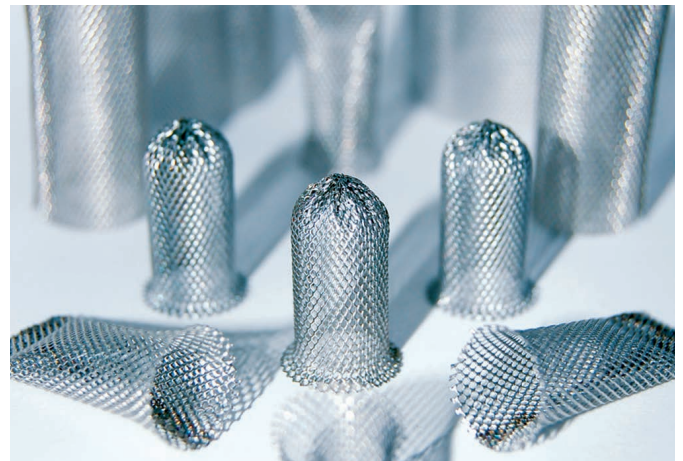


Utilities

Manufacturing capabilities and facilities

We have the design and manufacturing expertise to adapt our micromesh products to multiple applications. We can create components such as bullet filters and can work with you to create a specific bespoke solutions for your needs.

The Expanded Metal Company is a renowned specialist in expanded metal mesh solutions. Operating from a 25,000+ sqm site in Hartlepool, North East England, our company is a leader and innovator in the development and manufacture of expanded metal mesh products.



Contact us today and explore how we can support your project or application with Micromesh products.



Belfast: +44 (0) 28 90454599
Ireland: +353 (01) 802 7173

Web: www.ridgewayindustrial.com
Email: info@ridgeway-online.com