



**Mesh
Masters**

Introduction

Introducing Mesh Masters

Mesh Masters is your supplier for materials produced out of plate or wire and are mainly used for industrial applications.

Our materials are, for example, suitable for filtration, separation, reinforcing, sieving and are used for decoration.

With a delivery program containing materials that are converted from wire or plates we diversify our product groups in woven wire mesh, knitted wire mesh, sintered media and perforated plates that can be found in the overview below.

Woven wire mesh

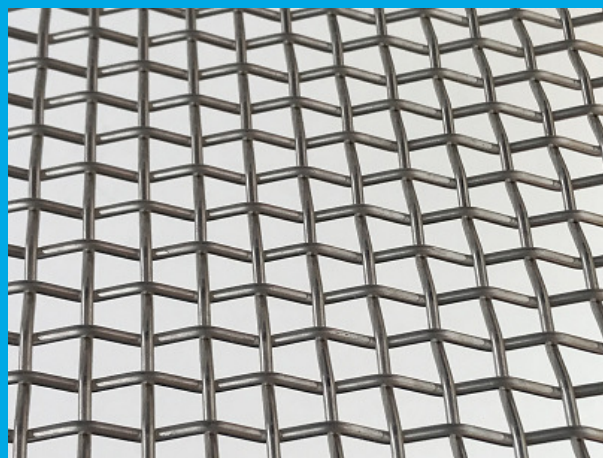
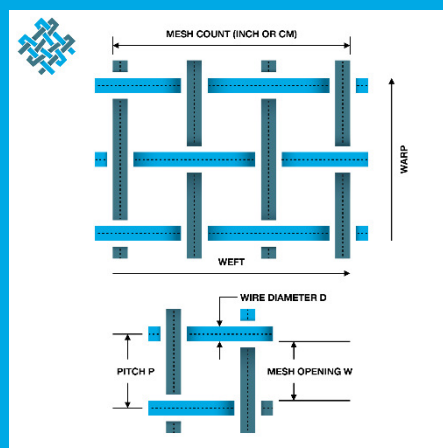
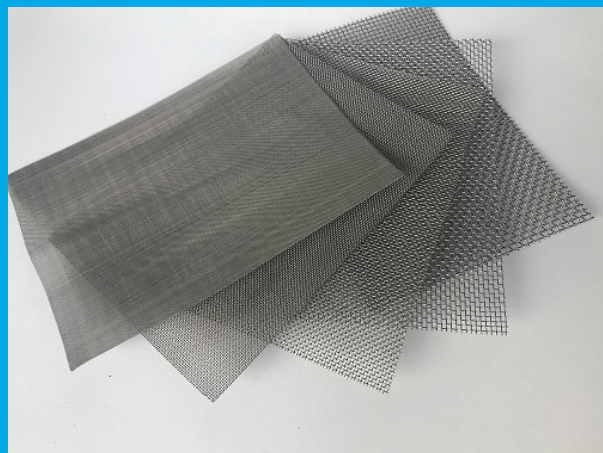
Woven wire meshes are used for numerous purposes and are used in for all kind of filtration applications. Woven wire meshes

are available in many different varieties.

Depending on the application, the following parameters are of importance to determine the correct mesh:

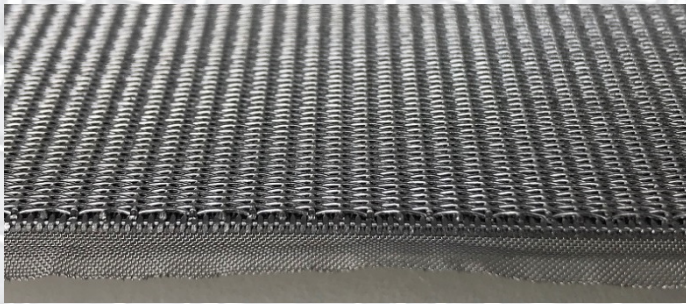
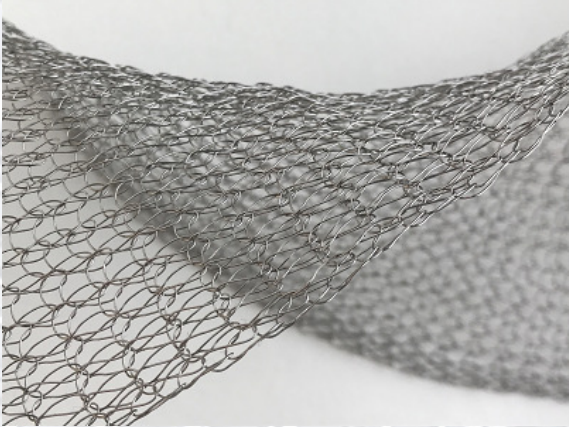
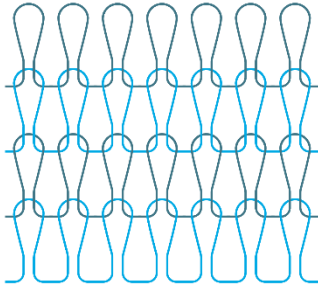
- Wire diameter
- Mesh opening
- Weaving Pattern
- Alloy

Alloys Mesh Masters offers are for example steel, galvanised steel, stainless steel alloys like Aisi 304, Aisi 316, Aisi 321 and Aisi 430 or copper.





SIMPLIFIED SCHEMATIC LAYOUT OF KNITTED MESH (BASIC STYLE)



Knitted wire mesh

A knitting has got its characteristic structure because of the wires that are connected in waveform. Knittings can be executed in nearly any material that is available in a wire.

Examples of alloys that Mesh Masters offers for knittings are stainless steel (Aisi 304, 316(L), 904(L), etc.), copper and aluminium.

Our knittings can be produced on roll or can be pressed to a filter.

Any execution of our knitting is completely produced according to your specifications.

Sintered media

By sintering mesh, we can combine several types of mesh and create completely different characteristics. Sintered mesh is mostly produced in stainless steel, Aisi 304, 316(L) and is available with a permeability of 1 to 100 micron. Sintered mesh can be used for several filtration applications.

Standard sheets are produced in 3, 5 or 6 woven mesh layers and perforated plates with a standard nominal rating of 1, 2, 5, 10, 15, 20, 30, 40 or 75 micron. All this, completely according the customer's requested specifications.

Furthermore we are able to supply sintered mesh assembled to basket filters.

Perforated media

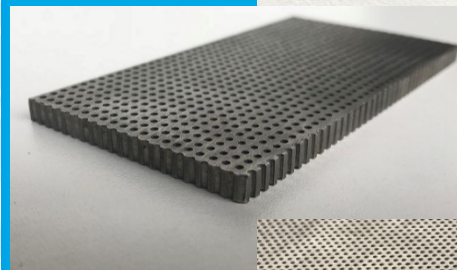
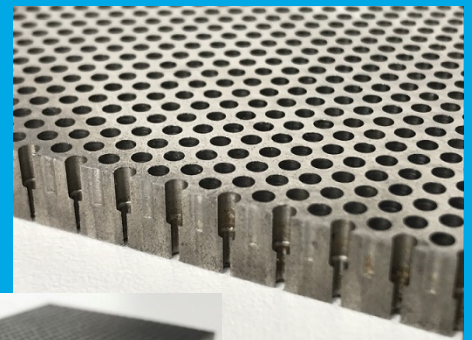
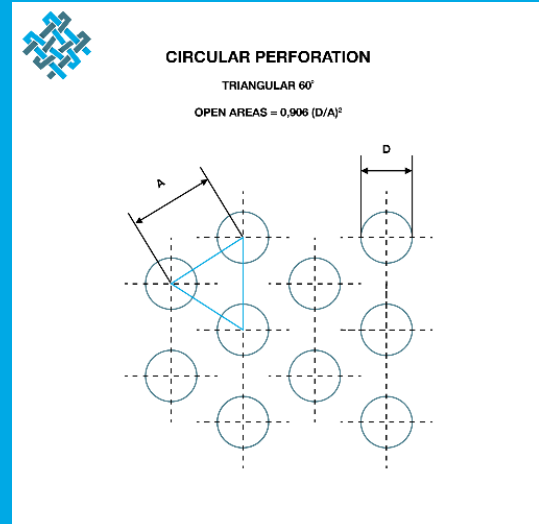
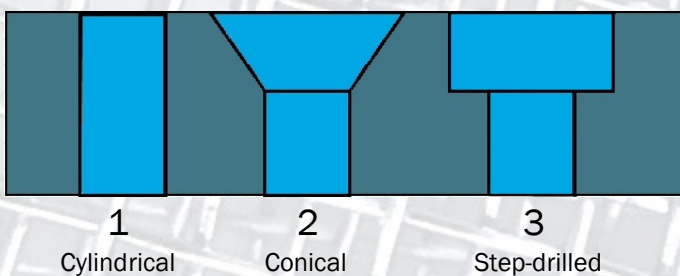
For many applications and in many industries, perforated media are used. This can be sieving, filtering, protecting or controlling an air flow or liquid flow. In different ways, openings can be applied into plate material.

The most common way for perforating media is by punching. We supply punched plates fully perforated or with blank areas, in triangular, straight or staggered pattern. This can be executed in circular, square, rectangular or slotted perforation.

Besides punching plates, we also supply drilled plates.

In general, plates are drilled when the plates are thicker than the hole diameter. With a minimum hole diameter of 0,80 mm., we are able to drill plates with a maximum thickness of 15mm. for stainless steel and up to 20 mm. for steel.

Drilling can be done in three different ways:

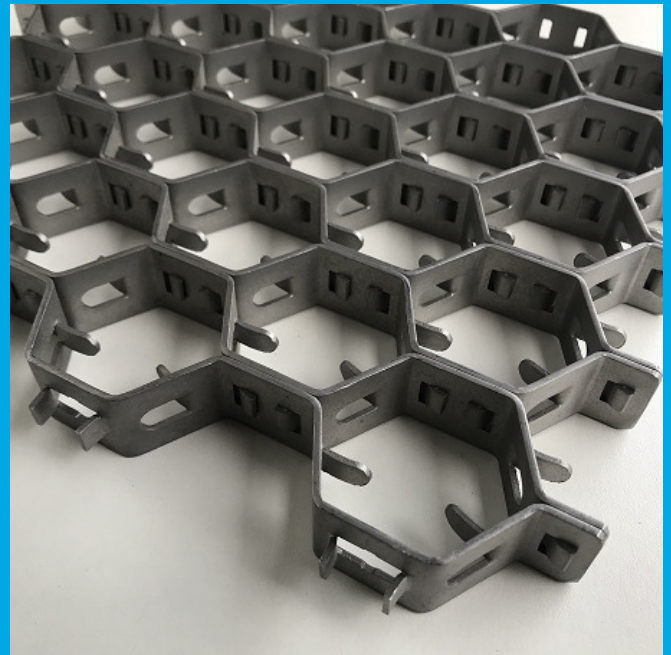


Hexagonal mesh

Besides mesh produced out of wire, we also offer mesh produced out of steel strips: Hexagonal Mesh.

The opening in the mesh is hexagon-shaped and is also known as hexmesh. Due to the construction, hexagonal mesh has got a very high rigidity that will even last after rolling it into a specific radius.

Because of the excellent rigidity, the material is extremely suitable for armoured.



V-Wire

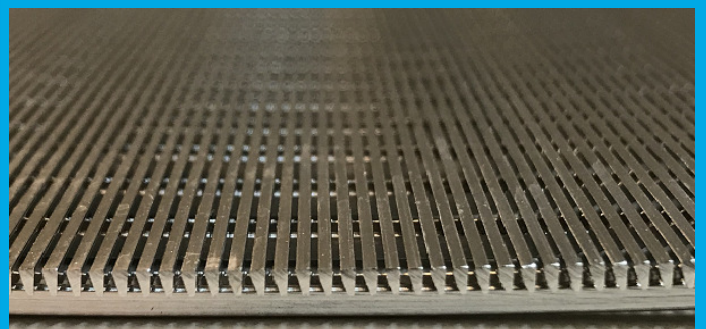
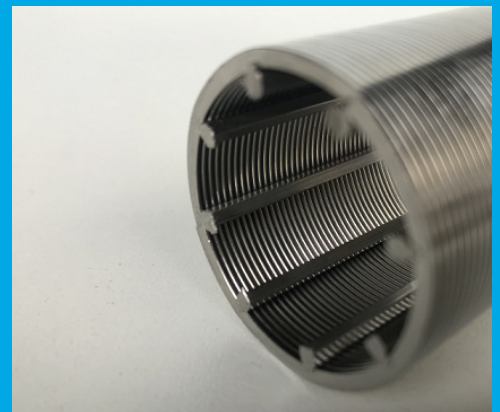
The production of mesh can also be done by means of welding. A form of welded mesh is V-wire.

In this case, a V-shaped wire is welded onto support bars.

This type of material can be supplied as a flat plate or can be shaped into a radius.

V-wire is used and can be applied as a plate, shaped radius or a basket filter.

Properties of V-wire are the high wear-resistance, high rigidity, even openings and is easy to clean.





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