

A black and white photograph of an industrial facility, likely a wire mesh manufacturing plant. In the foreground, a large, multi-tiered circular rack holds numerous cylindrical wire mesh components. A crane arm with the label "DW 475 KG" is positioned above the rack. In the background, a large industrial structure with a circular opening is visible. The overall scene depicts a large-scale manufacturing environment.

ROYAL DINXPERLO Annealing

100 years of wire mesh expertise

Thanks to the knowledge and expertise of our highly skilled and highly motivated professionals, our 13000m² production location and our vast experience in global projects, we can create pretty much any wire mesh product you need.

Our regular mesh products can be delivered from stock and our team is always happy to help with any innovative custom made solutions you may require.

ROYAL DINXPERLO

WIRE WEAVING

Improved formability through controlled heat treatment

During the production and processing of metal wire and woven mesh, internal stresses arise within the material. These stresses can affect the flexibility, dimensional stability and further processability of the material. Particularly when the mesh is subsequently to be pressed, formed or otherwise deformed, this can lead to undesirable deformation or wire breakage.

Royal Dinxperlo has the capability to anneal both wire and woven mesh. A controlled heat treatment reduces internal stresses and gives the material greater ductility. This results in a more flexible and consistent material that is better suited to the weaving process or further customised processing.

Annealing

During production, metal wire is drawn to the desired wire diameter. The material is also bent and processed under tension during weaving. As a result, stresses can remain in the wire and in the final woven structure. Stress-relief annealing helps to prepare the material in a controlled manner for weaving or for the next stage of production.



Product	Wire and woven/welded mesh.
Application	Various applications.
Openings	Various precise sizes.
Material	Various materials.
Wire	Various wire sizes.
Properties	In accordance with customer requirements.
Delivery	N.a
Quality	Top Dutch quality. Production according to ISO 4782:1987 and ISO 9044:1999 (weaving).



Contact

Please feel free to contact Luuk Hoopman to find out what we can do for your project:

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ROYAL **DINXPERLO**

WIRE WEAVING

