

Alternative steel mesh

Why to choose GIRON?



SCALDUR GRIDS

Made from special steels, these grids are relevant to receive **heavy aggregates** (scalping). With high performance against wear, the SCALDUR can accept heavy loads and can also reach **better efficiency** compared to rubber screens or perforated steel plates.

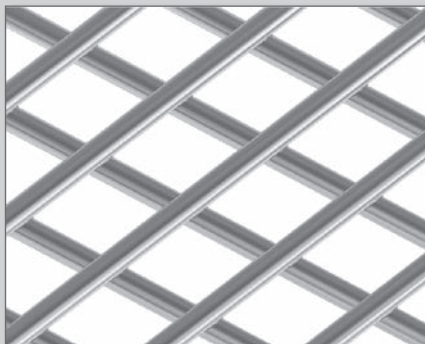
These grids are made up of $\varnothing 16$ or $\varnothing 20$ mm rods welded to 25x12 rectangular sections. The rods are always installed on the top face and parallel to the material's flow.

The steels used are of the silica-manganese type. This quality level led GIRON to develop a specific welding process to guarantee the mechanical strength of the complete assembly.

Unlike conventional welded screens, the SCALDUR is always made on the basis of the screening machine deck's dimensions then as to optimize the open area and ensure the protection of the cross pieces and supports of the screening machine.

STANDARD RANGE

$40 \leq \text{Mesh} \leq 150 \text{ mm}$
 Rods: 16 mm / 20 mm
 Rectangular sections:
 25 x 12 mm



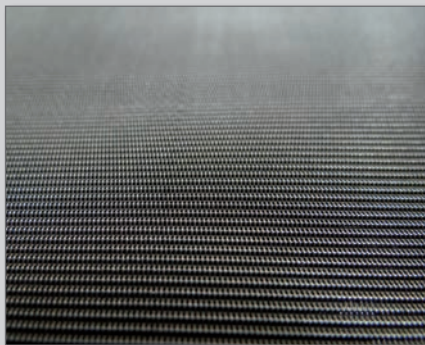
WELDED GRIDS

These meshes are made up of crossed welded rods. The top face is always installed parallel to the materials' flow.

These screens are generally intended for screening low abrasive material mainly due to the low carbon content and smoothness of steels used. Rectangular meshes of all sizes are also produced to order.

STANDARD RANGE

$5 \leq \text{Mesh} \leq 150 \text{ mm}$
 $3 \leq \text{Wire} \leq 25 \text{ mm}$



STEEL WIRE CLOTHS

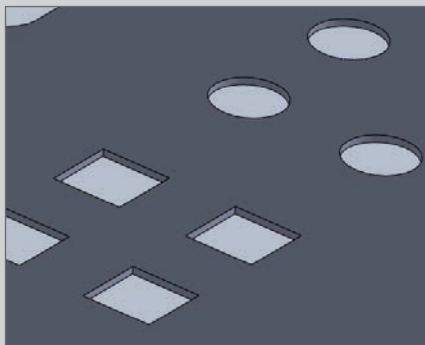
The wire cloths are mainly intended for very fine and ultrafine screening of low abrasive materials, as used in the chemical and agro-food industries.

304L stainless steel is the most commonly used, however it is possible to manufacture from other grades.

These cloths can be delivered raw edge, under rolls or panels, with polyurethane seals, eyelets for fixing and/or tension hooks for installation on a screening machine.

STANDARD RANGE

$0.02 \leq \text{Mesh} \leq 8 \text{ mm}$
 $0.02 \leq \text{Wire} \leq 1.25 \text{ mm}$



PERFORATED STEEL PLATES

These plates can be fitted with tension hooks or with holes for bolting to frame. They can be delivered flat or pre-curved but also bent in several sectors for equipping trommels.

Grades R250, CR321 and CR4000 are special abrasion resistant steels.

Thicknesses available extend from 2 to 15 mm depending on grades and perforations' type.

STANDARD RANGE

$0.5 \leq \text{Mesh} \leq 100 \text{ mm}$
 $2 \leq \text{Thickness} \leq 15 \text{ mm}$

Wedge wire screens

Why to choose GIRON?

MAIN CONCERN

The wedge wire screens made of looped and wedge stamped wires have been designed and manufactured by GIRON for more than 50 years. They are intended for **dewatering, drying and filtering materials** such as sands, aggregates, limestone or coal. They are especially used in mines, quarries and sand quarries for separating solid/liquid materials.

These screens can be delivered in several industries as the fluids' filtering (used waters, industrial oils recycling, wine) or also for food industry (sugar refinery).

TECHNICAL ISSUE

The technical know-how developed by GIRON consists in stamping a trapezoidal section from a stainless steel wire. These precise profiles are assembled all together on Ø7 mm rods getting a 70mm constant thread. This process gives the **guarantee to get the best slot accuracy**, especially for very fine slots.

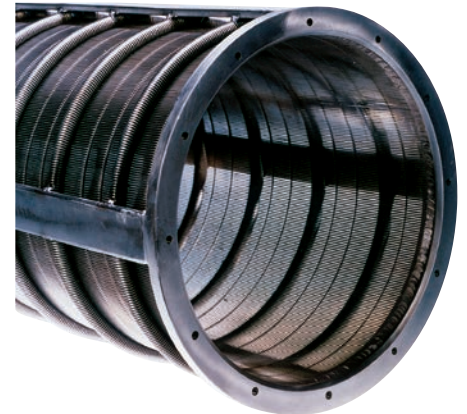
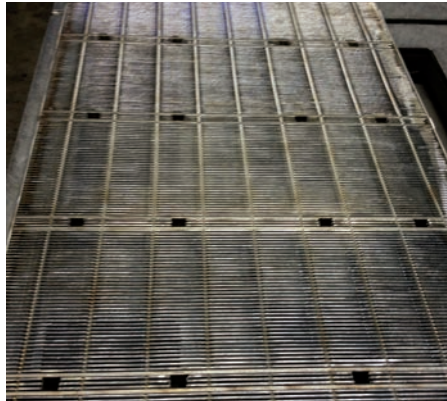
Screens may be delivered flat or curved, with or without reinforced elements such as steel sections or angles or any other accessories.

Narrow profile	22 E 1,5 3,4	28 E 1,8 4,4	35 E 2,4 5,2			50 E 3,5 7,5
	22 1,7 3,2	28 2,2 4,2	35 2,6 5,1	42 3,1 6,5	45 3,5 6,5	
Large profile	22 L 2 3	28 L 2,4 4	35 L 2,8 5	42 L 3,4 6	45 L 3,7 6,3	50 L 4 7
	22 R 1,7 3,2	28 R 2,2 4,2	35 R 2,6 5,1	42 R 3,1 6,5	45 R 3,5 6,5	50 R 3,7 7,5
Large profile with wear reserve	22 RL 2 3	28 RL 2,4 4	35 RL 2,8 5	42 RL 3,4 6		

SERVICE/AVAILABILITY/BREAKDOWN

Our in-site technical sales team is not available only for business purposes. They can provide you relevant advice for selecting with you the most profitable solutions to optimize your production efficiency.

GIRON Company daily continues to listen about your feedbacks and keeps available to share with you on our past experience if applicable.



INFORMATION TABLES ABOUT OPEN AREA AND WEIGHT PER SQM

AVAILABLE RANGE

Our range starts from 0.1 mm and increments every 0.1 mm following slot curves.

The orange bold lines show the slots manufactured with contact points.

Standard steel used:

- Stainless steel according AFNOR Z 8 C17 - AISI 430 Standards
- Stainless steel according AFNOR Z 7 CN 18.09 - AISI 304 Standards
- Stainless steel according AFNOR Z 3 CND 17.11.02 - AISI 316L Standards

