AURY
Africa (Pty) Ltd

Wedge Wire

Wedge wire products have historically been used for dewatering coal slurry as well as a medium for dewatering straining and filtering.

Wedge wire is produced through a method of electric resistance welding. Wires with special profiles are welded to support wire at 90 degrees. The distance between the surface profiles is controlled very accurately as it forms the slot through which the filtrate flows. The direction of the flow is determined by the position of the surface profiles in relation to the support profiles. Wedge wire screens are either flow-out-to-in OR flow-in-to-out.

Wedge wire is favoured when anyone of the below conditions apply:

- An accurate cut size is required
- Apertures of 0,5 mm or less is required
- Operation at elevated temperatures
- When very high acid or alkali levels are present
- When strict hygienic conditions are to be observed

Wedge wire products can be found in a wide range of industries:

- Aggregate
- Gold
- Cement
- Coal Pressing
- Sand & Gravel
- Various other industries

Products utilizing wedge wire include but are not limited to:

- Sieve bends
- Vibrating and static panels
- Intertank / interstage cylinder screens (carbon screens)
- Filter columns
- Centrifuge basket – VM, GC, HES, HSG and FC

The Advantages to wedge wire screens are numerous:

Non-Clogging (blinding/pegging)

- The continuous slot formed by the V-shaped surface wires ensures a two-point contact between particles and the slot, which minimizes clogging of near size particles.

High Precision Slot Sizes

- Precise/exact aperture can be achieved.

Surface Filtration

- The V-shaped surface wires allow easy cleaning by mechanical scraping, back flushing or high pressure hose.

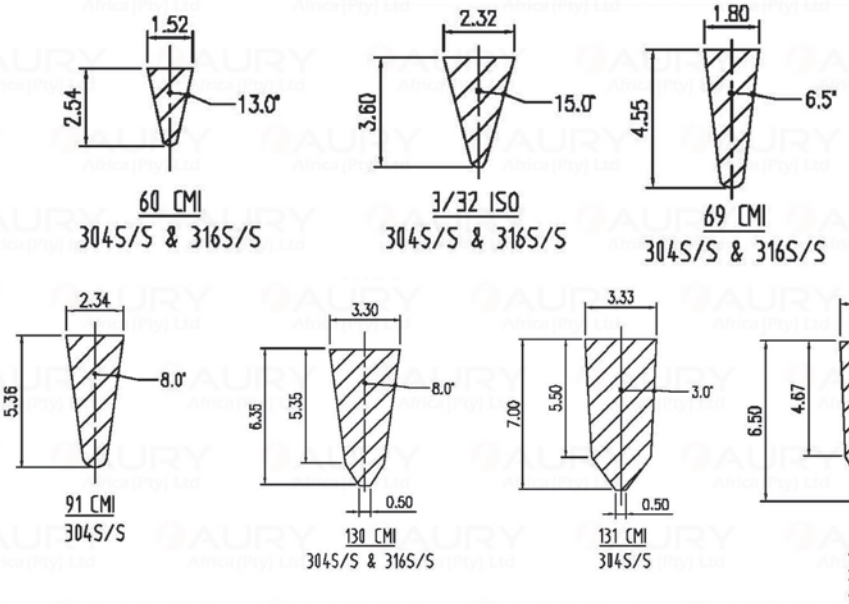
Strong construction

- For most applications the wedge wire is self-supporting because of the welding at each intersection and can therefore withstand high pressure (Psi) and heavy loads.

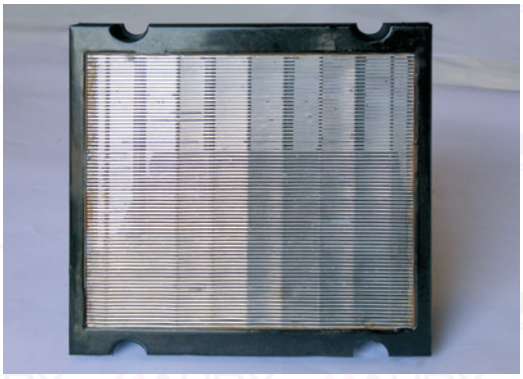


Aury Africa's wedge wire and rod profiles are manufactured to worldwide industry standards.

Wire Profiles







Contact us

Aury Africa (Pty) Ltd

Johannesburg Office
28 Fuchs Street, Alrode
T: +27 11 026 6642
E: sales@auryafrica.co.za

eMalahleni (Witbank)
Office 307
Smokey Mountain Office Village
23 Corridor Crescent
eMalahleni
T: +27 13 656 0572

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