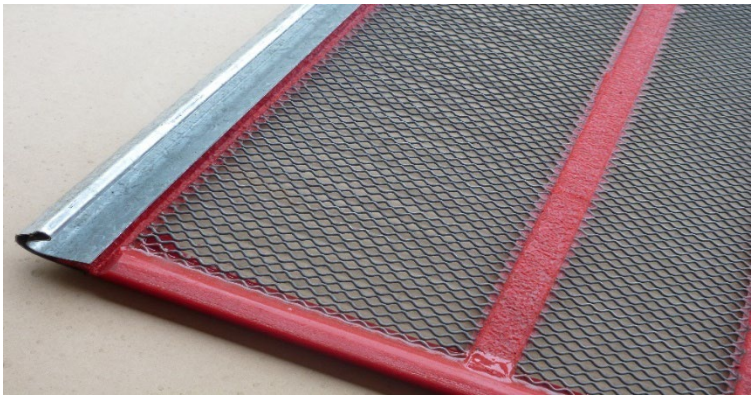
Technical Data Sheet

Poly Ripple

Poly Ripple screencloths are well suited to today's quarry operations. They are light but durable, combining the high open area of wire, with the wear resistance of polyurethane. Offering many advantages over conventional screencloths, they are lightweight and easy to install reducing down-time and increasing production and efficiency, which makes Poly Ripple the most economical choice in screencloth.



Features

Poly Ripples are constructed from a combination of crimped wires held in place by means of abrasive resistant polyurethane. A long lasting and highly efficient screencloth, they offer many advantages over conventional woven wire.

Using the same principle as the wire ripple screencloth, which offered many advantages in the past, the ripple has now been improved by the addition of polyurethane.

It has proved to be a great asset to the mining and quarrying industries, offering these benefits:

- **Pegging or Blinding** – is reduced, as the very active wires are not woven together. With less pegging, the result is a clean screencloth surface and optimum area throughout the screening process. These active wires will not allow the build-up of ultra-fine particles, which in time completely cover or blind the screencloth.

- **Lighter screencloth, which leads to easier installation –** Poly Ripple is lighter than woven wire and therefore is easier to handle and install.

- **Increased wear life** – the Poly Ripple is longer lasting than woven wire and wire ripple, which therefore reduces maintenance and saves dollars. Poly Ripple

Construction

There are four main parts to the Poly Ripple.

- Crimped wires are laid on their sides to form an aperture and are held in position by means of moulded polyurethane strips.
- These poly strips are designed to sit over the support bars or stringers of the screen when fitted. This allows for maximum screening area uninterrupted by polyurethane. The aperture that is formed by this process allows the wires to vibrate independently, as they are not woven together.
- The Poly Ripple is fitted to the vibrating screen in the same manner as normal woven wire. That is, it is supplied with hooked edges to fit all makes of side clamps and cambered decks.
- When fitted to machines with centre hold down bars, the Poly Ripple is supplied to suit, complete with boltholes already cut. See picture below.

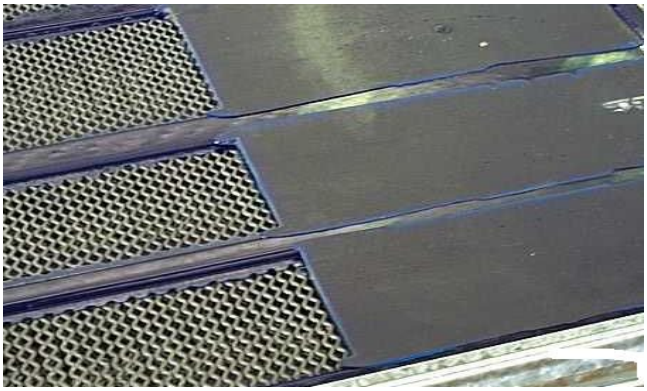
Poly Ripple: supplied with centre holes already cut, making installation faster and easier.

Heavy Duty Impact

The Poly Ripple screencloth can be constructed with an area of solid polyurethane as an impact zone.

This blank impact zone will stop the wires from opening if the drop height is too great, or where the feed onto the screen is too harsh and tends to wear the first screencloth out prematurely. To gain even wear-life out of the full set of Poly Ripples down the screen, an impact zone on the first mat may be desirable.

The ideal solution process is to inspect the worn area of the mat to be replaced and only specify this particular area to be blanked off. This will ensure that the screening area is not reduced unnecessarily.



Poly Ripple

Standard Apertures to Wire Diameters

The general rule for the correct wire diameter for a given aperture, is that it is the next gauge down from what would normally be supplied in woven wire. For example
12.5 mm aperture in 4mm wire, 6.3 mm aperture in 2.5mm wire and so on.

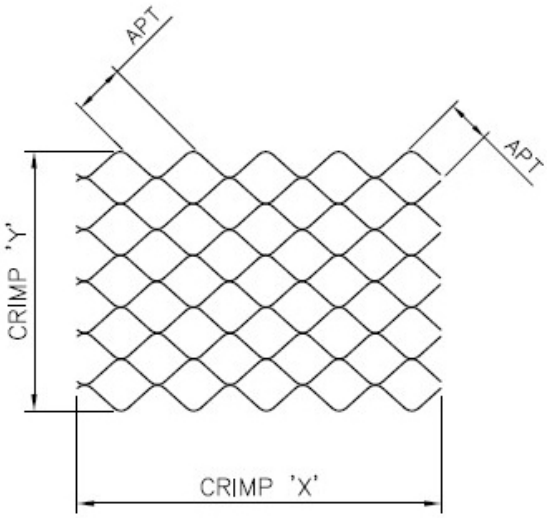
The following list of specifications gives all current apertures and the wire diameters available.

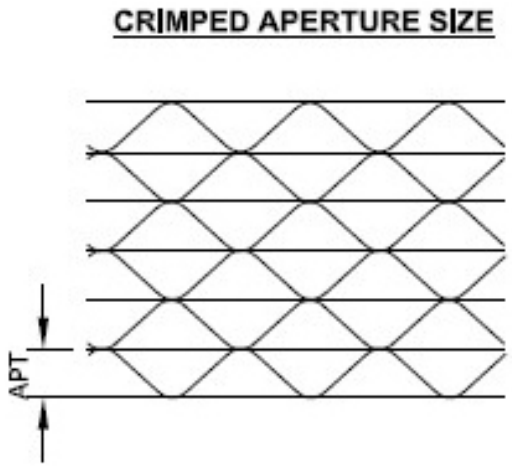
Aperture	Wire Dia.
3.15	2.0
4.00	2.0
4.50	2.0
5.00	2.0
5.00	2.5
5.00	3.15
5.50	3.15
5.60	2.0
6.30	2.0
6.30	2.5
6.30	3.15
7.10	2.5
7.10	3.15
8.00	2.5
8.00	3.15
9.00	2.5
9.00	3.15
10.00	2.5
10.00	3.15
10.00	4.0
11.20	2.5
11.20	3.15
11.20	5.0
12.50	3.15
12.50	4.0
13.20	3.15
13.20	4.0
14.00	3.15
14.00	4.0
14.00	5.0

Aperture	Wire Dia.
15.00	3.15
15.00	4.0
16.00	3.15
16.00	4.0
16.00	5.0
17.00	4.0
18.00	4.0
18.50	3.15
18.50	5.0
20.00	3.15
20.00	4.0
20.00	5.0
21.50	6.3
22.40	4.0
22.40	6.3
24.00	5.0
25.00	6.3
25.00	4.0
25.00	5.0
27.00	5.0
28.00	4.0
28.00	5.0
28.00	6.3
31.00	4.0
31.50	6.3

Poly Ripple

How to Measure Polyripple



APERTURE DETAIL

How to Measure Split Polyripple