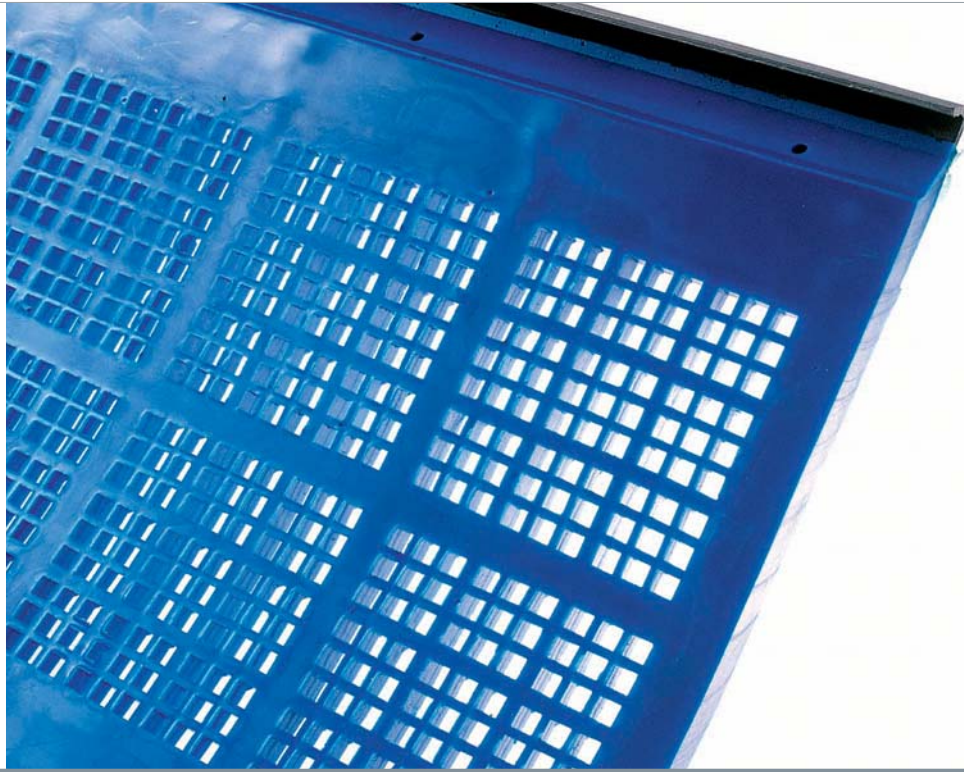


# Sandvik

## Tensioned PU Screening Media



A tensioned polyurethane screening media with moulded holes primarily for fine to medium coarse screening in wet applications.

### **Sandvik tensioned PU screening media is tailor-made to suit the application**

It is intended for installation in screens with cambered screen decks complete with support bars.

The support bars are protected with capping rubber available in several sizes. For wide screens, centre hold down bars are recommended to prevent the media from flapping. Sandvik tensioned PU screening media is available in a variety of widths, lengths and thicknesses.

### **Moulded apertures for more accurate screening**

A large selection of square and slotted apertures is available. During the moulding process apertures are created using special moulds with release angles. When the hole pattern

is designed, blank areas are left over the support bars. Hole patterns can also be tailored to fit a screen's special requirements – for example, with blank sections in areas with high localized wear.

### **Long life and minimal maintenance requirements**

This product is made of hardwearing polyurethane specially designed to cope with the tough requirements imposed on screening cloth. Its high quality gives a long life resulting in long intervals between servicing and minimal maintenance requirements.

The moulded holes and the flexibility of the polyurethane reduce the risk of pegging and blinding of the cloth, which gives further reduction of maintenance requirements.

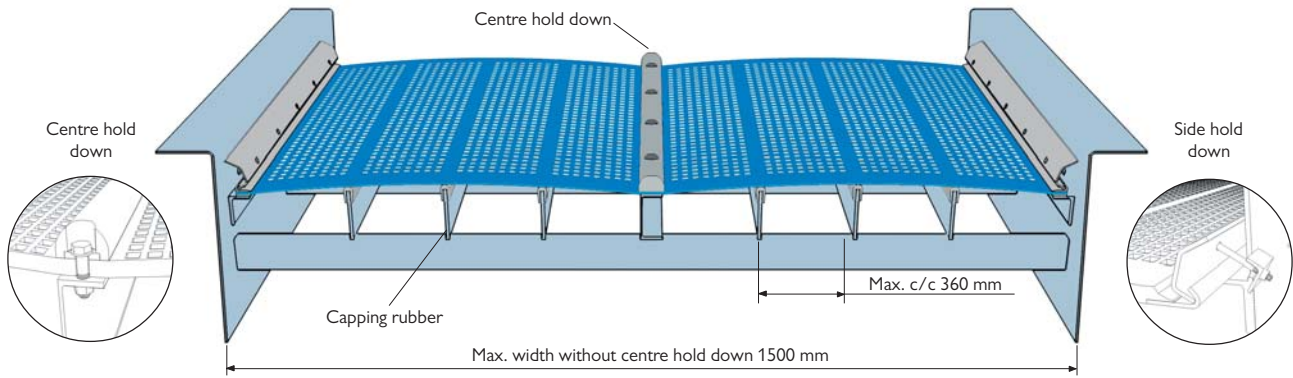
The cloth is reinforced with steel wires, resulting in a more secure fixing, minimal stretching and a reduced requirement of adjustment.

### **Replaces wire mesh without modifications to the screen**

Sandvik tensioned PU screening media can be manufactured for both cross-wise and lengthways tensioned screens. It replaces wire cloth without modification of the screen.

### **Reduced noise level and improved working environment**

By using polyurethane media on the screens, the noise level in the plant is reduced, improving the working environment. Sandvik tensioned PU cloths are easy to handle resulting in the reduced risk of accidental damage or injury during working.



**Type**

Tensioned polyurethane screening media.

**Dimensions**

*Thicknesses:* Hole size dependent.

*Length (cross tensioned):* 1000, 1200 and 1500 mm as standard. Other lengths on request.

*Width (cross tensioned):* Max width 2440 mm. Max. width without centre hold down 1500 mm.

*Length (length tensioned):* Max length 2440 mm.

**Installation**

On cambered screen decks. Cross tensioned or longitudinally tensioned.

Different hook designs are available (see pictures).

If the feed drop height is over 1 m, either an impact pad or a thicker screen panel should be used at the point of impact.

**Materials**

*Wearing material:* Polyurethane.

*Reinforcement:* Steel wires.

*Tensioning device:* Steel hooks.

**Apertures**

*FR - Square holes 3 - 51 mm in line:* Used under normal conditions.

*STS - Slots from 0.4 - 5 mm across the material flow:* Used for wet screening and in dewatering screens.

*SLS - Slots from 0.4 - 5 mm with the material flow:* Used when higher capacity is desired, accuracy (oversize control) is less important and to avoid pegging in small apertures.

**Applications**

This is a polyurethane screening media used primarily for wet screening in intermediate and final stages, generally with separations between 1 - 45 mm and max feed lump size of 100 mm.

**Hooks for cross tensioned cloths**



**Hook for longitudinally tensioned cloths**



Recommended area of use

| Separation (mm) | Max particle size (mm)** |    |    |    |    |     |     |     |     |     |     |
|-----------------|--------------------------|----|----|----|----|-----|-----|-----|-----|-----|-----|
|                 | 10                       | 20 | 30 | 50 | 75 | 100 | 125 | 150 | 200 | 250 | 300 |
| Dewatering      | *                        | -  | -  | -  | -  | -   | -   | -   | -   | -   | -   |
| 1 - 2           | *                        | *  | -  | -  | -  | -   | -   | -   | -   | -   | -   |
| 4 - 6           | *                        | *  | *  | -  | -  | -   | -   | -   | -   | -   | -   |
| 8               | *                        | *  | *  | -  | -  | -   | -   | -   | -   | -   | -   |
| 10 - 12.5       | -                        | *  | *  | *  | -  | -   | -   | -   | -   | -   | -   |
| 16              | -                        | *  | *  | *  | *  | -   | -   | -   | -   | -   | -   |
| 19 - 25.4       | -                        | -  | *  | *  | *  | *   | -   | -   | -   | -   | -   |
| 31.5            | -                        | -  | -  | *  | *  | *   | *   | -   | -   | -   | -   |
| 37.5            | -                        | -  | -  | *  | *  | *   | *   | -   | -   | -   | -   |
| 45              | -                        | -  | -  | -  | *  | *   | *   | -   | -   | -   | -   |
| 63              | -                        | -  | -  | -  | -  | -   | -   | -   | -   | -   | -   |
| 70 - 90         | -                        | -  | -  | -  | -  | -   | -   | -   | -   | -   | -   |
| 105             | -                        | -  | -  | -  | -  | -   | -   | -   | -   | -   | -   |
| 120             | -                        | -  | -  | -  | -  | -   | -   | -   | -   | -   | -   |

= Recommended area of use

= Improbable application

\* Crosscord PU thickness is hole size dependent

= Borderline case

= Not recommended

\*\* Bulk density max. 1.8 metric ton/m<sup>3</sup>

If your application falls outside the limits specified above, please contact your Sandvik Mining and Construction representative.

