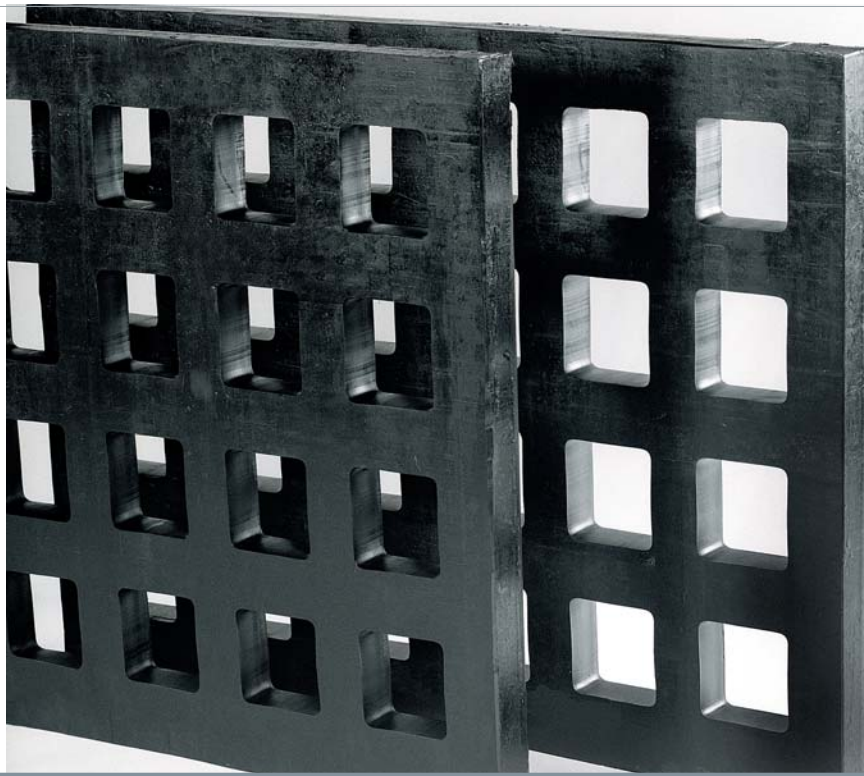


Sandvik

Flat Self-supporting Screen Panel



A flat self-supporting rubber screening panel primarily for medium coarse to coarse screening in the quarrying and mining industries.

Designed for tough conditions

A self-supporting panel with steel reinforcement that gives greater strength for resisting the impact of heavy material. The panels are installed on screens with flat screening decks. It only requires support along the sides. Panels are secured using Sandvik hardwearing side securing system. Where necessary centre hold down bars are also used.

Tailor-made to suit the application

A made to measure panel manufactured in a number of different lengths, widths and thicknesses. It is available with a variety of hole sizes primarily for coarse separations. The holes in 70 mm thick panels are moulded, while thinner panels have punched holes for maximum flexibility. The location of

the hole pattern can be tailored to suit the special requirements of a particular screen - for example, with blank areas in areas of high local wear.

Flat screen deck for even material bed depth

The flat screen deck design helps material spread quickly for more efficient screening. The bed depth is consistent across the width of the screen.

Long life and minimal maintenance requirements

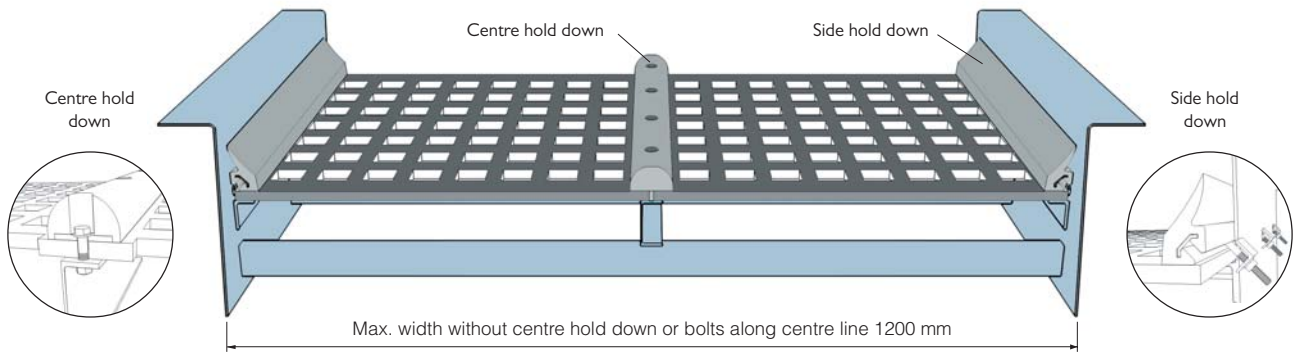
Sandvik self-supporting screening media is made of hardwearing rubber specially produced to cope with the tough requirements imposed on screen panels in heavy-duty applications. Its high quality gives a long life, long intervals between servicing and

minimal maintenance requirements.

The flexibility of the rubber reduces the risk of pegging and blinding of the cloth, which gives further reduction of maintenance requirements.

Reduced noise level and improved working environment

By mounting rubber panels on the screens, the noise level in the plant is reduced, improving the working environment and reducing the risk of accidental damage or injury during working.



Type

Self-supporting rubber screening media.

Dimensions

Thicknesses: 40, 50, 60 and 70 mm.

Length: Max. length 1200 mm.

Width: t=40-60 mm max. width 1800 mm, t=70 max. width 1600 mm. Max. width without centre hold down 1200 mm.

Installation

Sandvik self-supporting screening media is designed for flat open frame screens. For screen widths up to 1200 mm, no central longitudinal support is needed, as the panels can be clamped along the sides of the screen box. On wider screens the panel should be bolted along the centre line or a central hold down bar type should be used.

Materials

Wearing material: 60 Shore A rubber.

Reinforcement: Angle steel bar frame and steel flat bar cross members.

Tensioning device: Side hold down and centre hold down.

Apertures

Punched holes in t=40-60 mm, max. hole size 90 mm.

Moulded in t=70 and 80 mm, max. hole size 140 mm.

FR - Square holes in line: Used under normal conditions.

FS - Square holes staggered: Used to prevent fines tracking with high fines content or on short screens. Slightly reduced open area.

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

CR, CS - Round holes: Used for screening coarse crushed material only when extra long wear life is required. Increased risk of pegging. Less open area.

Applications

This is a strong and reliable self-supporting screening element designed for coarse screening with separations from 45 mm and up with a max feed lump size up to 300 mm.

Note

Do not use in applications with any amount of oil present.

The recommended hole size should be 1.25–2.5 times the screen panel thickness (punched holes).

Recommended thickness and area of use

Separation (mm)	Max particle size (mm)**										
	10	20	30	50	75	100	125	150	200	250	300
2	-	-	-	-	-	-	-	-	-	-	-
4 - 6	-	-	-	-	-	-	-	-	-	-	-
8	-	-	-	-	-	-	-	-	-	-	-
10 - 12.5	-	-	-	-	-	-	-	-	-	-	-
16	-	-	-	-	-	-	-	-	-	-	-
19 - 25.4	-	-	-	-	-	-	-	-	-	-	-
31.5	-	-	-	-	-	-	-	-	-	-	-
37.5	-	-	-	-	-	-	-	-	-	-	-
45	-	-	-	-	40	40	40	40	-	-	-
63	-	-	-	-	40	40	40, 50	40, 50	50, 60	60	-
70 - 90	-	-	-	-	-	70*	70*	70*	70*	70*	70*
105	-	-	-	-	-	-	70*	70*	70*	70*	70*
120	-	-	-	-	-	-	-	70*	70*	70*	70*

= Recommended area of use

= Improbable application

* Moulded apertures

= Borderline case

= Not recommended

** Bulk density max. 1.8 metric ton/m³

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

