

Sandvik

Modular Rubber Screening Media



A modular screening media of rubber with punched or moulded openings primarily for fine to medium coarse screening in dry applications.

Fit most screens

Sandvik modular rubber screening media allow for many deck configurations. Using an adapter, the system can be easily mounted on some competitor's assembly profiles.

The screen module is nominally 600 mm x 300 mm and therefore fits most screens. The modular system gives great flexibility. Individual panels can be easily replaced for reasons of wear or in order to change aperture size.

Safe and easy installation

A double snap-on locks the modules on extruded steel profiles. The screen modules are designed to protect the profiles against wear. An adapter system has been developed making it possible to install cross-tensioned media on screens, equipped with our snap-on profile. Combinations of modules and cross-tensioned media are also possible.

Long life and minimal maintenance requirements

Sandvik modular screening media is made of hardwearing rubber material specially developed to give long life and minimal maintenance requirements. The screen deck can be made either flat or stepped. A flat deck enables the material to be distributed evenly over the full width of the screen, increasing efficiency. Steps allow the smaller particles to come into contact with the screen surface more rapidly.

More accurate screening

The risk of material migrating is reduced through the trapezoidal shape of the panel, giving a staggered hole pattern and joints between the panels that do not run parallel with the screen side plates. The side protection is wedge shaped to allow for minor adjustment in width, and also to

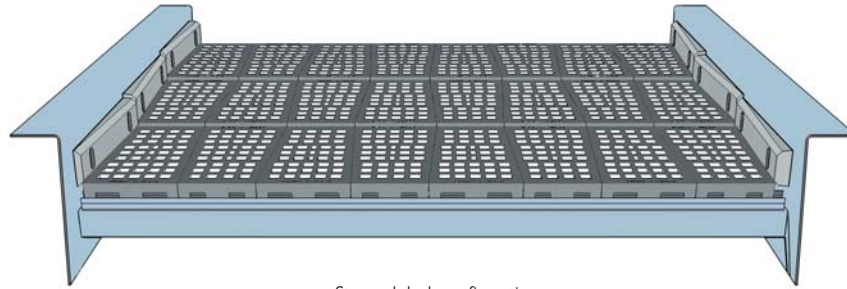
prevent material migrating along the sides of the screen. The result is more accurate screening and less misplaced particles in the end product.

Reduced noise level and improved working environment

By using rubber modules in the screen, the noise level in the plant is reduced, improving the working environment. Low weight and manageable size makes Sandvik modules easy and safe to handle and ship.

Sandvik modular screening media is also manufactured in polyurethane, primarily for wet screening, and soft, flexible rubber for fine screening in difficult conditions.

Snap-on attachment
for flat deck
configuration



Stepped deck configuration

Snap-on attachment
for stepped deck
configuration



Type

Modular rubber screening media.

Dimensions

Thicknesses: 8, 11, 15, 20, 25, 30, 35 and 45 mm.

Length: 600 mm.

Width: 320 / 265 mm.

Installation

On extruded steel profiles mounted crosswise in the screen.

Stepped deck configuration using high-low snap-on profiles or flat deck configuration using low-low snap-on profile.

On screens with a width dividable by 300 mm and a length dividable by 600 mm only full modules are needed. For all others narrow modules and side liner spacers are available.

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

Materials

Wearing material: 60 Shore A rubber.

Reinforcement: Steel frame.

Tensioning device: Snap-on attachment.

Apertures

Mainly punched holes in $t=8-35$ mm, max. hole size 80 mm. Always moulded in $t=45$, max. hole size 120 mm.

FR - Square holes in line (rows staggered): 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

Sandvik modular rubber screening media is designed primarily for final and intermediate stage screening, generally with separations between 10 - 63 mm and a max feed lump size between 20 - 150 mm. Heavy-duty modules available primarily for mining applications.

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	8	8	8	-	-	-	-	-	-	-	-
10 - 12.5	-	8	8	8, 11	-	-	-	-	-	-	-
16	-	8, 11	11, 15	11, 15	15	-	-	-	-	-	-
19 - 25.4	-	-	11, 15	11, 15	15, 20	20	-	-	-	-	-
31.5	-	-	-	15, 20	15, 20	20, 25	25	-	-	-	-
37.5	-	-	-	15, 20	20, 25	25, 30	30	-	-	-	-
45	-	-	-	-	25, 30	30, 35	30, 35	35	-	-	-
63	-	-	-	-	25, 30	30, 35	35, 45	45	45	-	-
70 - 90	-	-	-	-	-	45	45	45	45	-	-
105	-	-	-	-	-	-	-	-	-	-	-
120	-	-	-	-	-	-	-	-	-	-	-

= Recommended area of use

= Improbable application

* Bulk density max. 1.8 metric ton/m³

= Borderline case

= Not recommended

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

