



# SANDVIK SA INCLINED SCREEN RANGE

## TECHNICAL SPECIFICATION

The SA Circular Motion Screens are designed for medium and fine screening in quarrying applications. This inclined screen is ideal for screening after primary and secondary crushing, as a splitter screen to divide flows within a plant, and for final screening of a finished fraction. Availability of options make these screens suitable for most of the applications.

The decks can be equipped with any kind of modern synthetic side tensioned screening media or wire mesh.

### ADVANTAGES

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Optimized for tensioned screening media: simple to install, use and change

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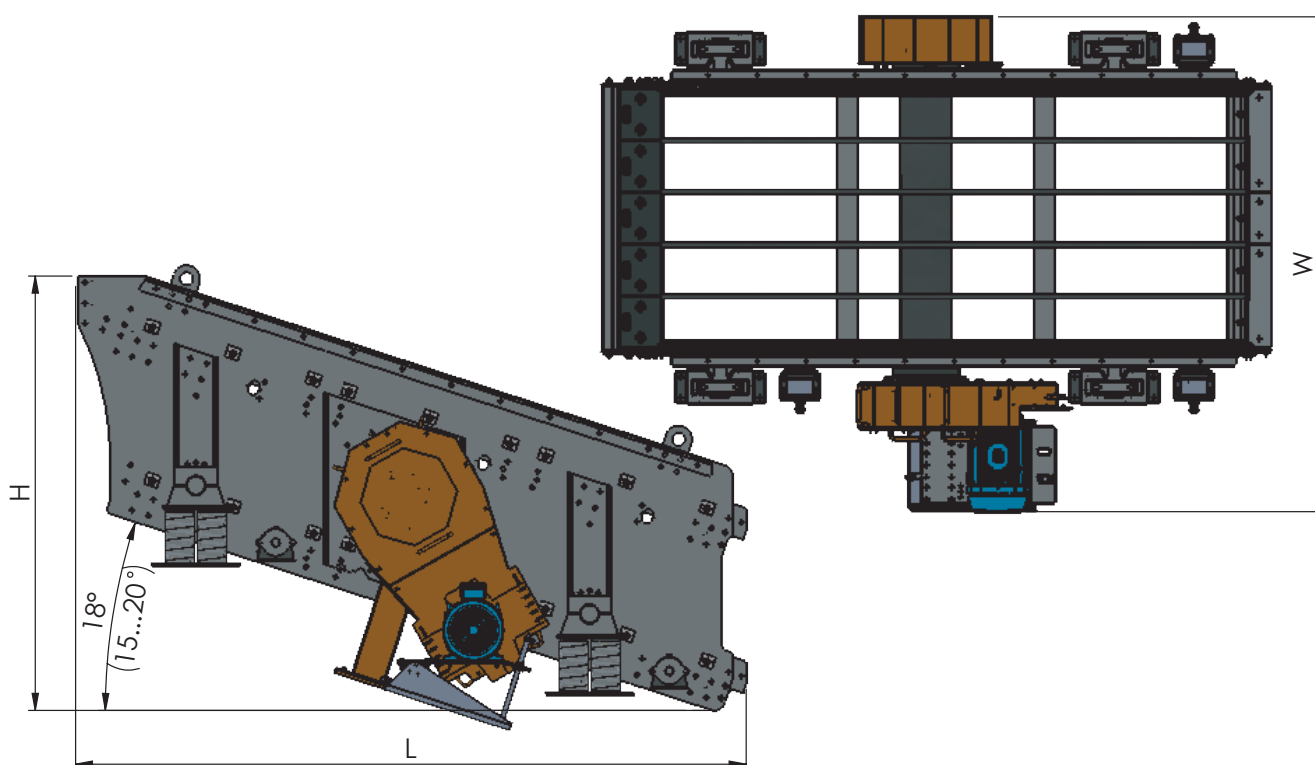
Low cost option saves resources for other critical investments

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Top capex / performance ratio means value for money operation that protects profitability

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## 2 DECK

1542

1852

1862

2462

### GENERAL TECHNICAL DATA

Stroke motion

Circular

Application

Construction

### DIMENSIONS

#### Unit

Deck width (nominal)	ft. / mm	5 / 1,524	6 / 1,829	6 / 1,829	8 / 2,438
Deck length (nominal)	ft. / mm	12 / 3,658	16 / 4,877	20 / 6,096	20 / 6,096
Screening area per deck	sqr ft. / m <sup>2</sup>	60 / 5.6	96 / 8.9	120 / 11.1	160 / 14.9
Overall width (in installation angle; 18 deg.)	mm	2,889	3,194	3,194	3,810
Overall length (in installation angle; 18 deg.)	mm	3,940	5,100	6,260	6,493
Overall height (in installation angle; 18 deg.)	mm	2,368	2,877	3,386	3,689
Qty of mechanisms	pcs	1	1	1	1

### LOADS

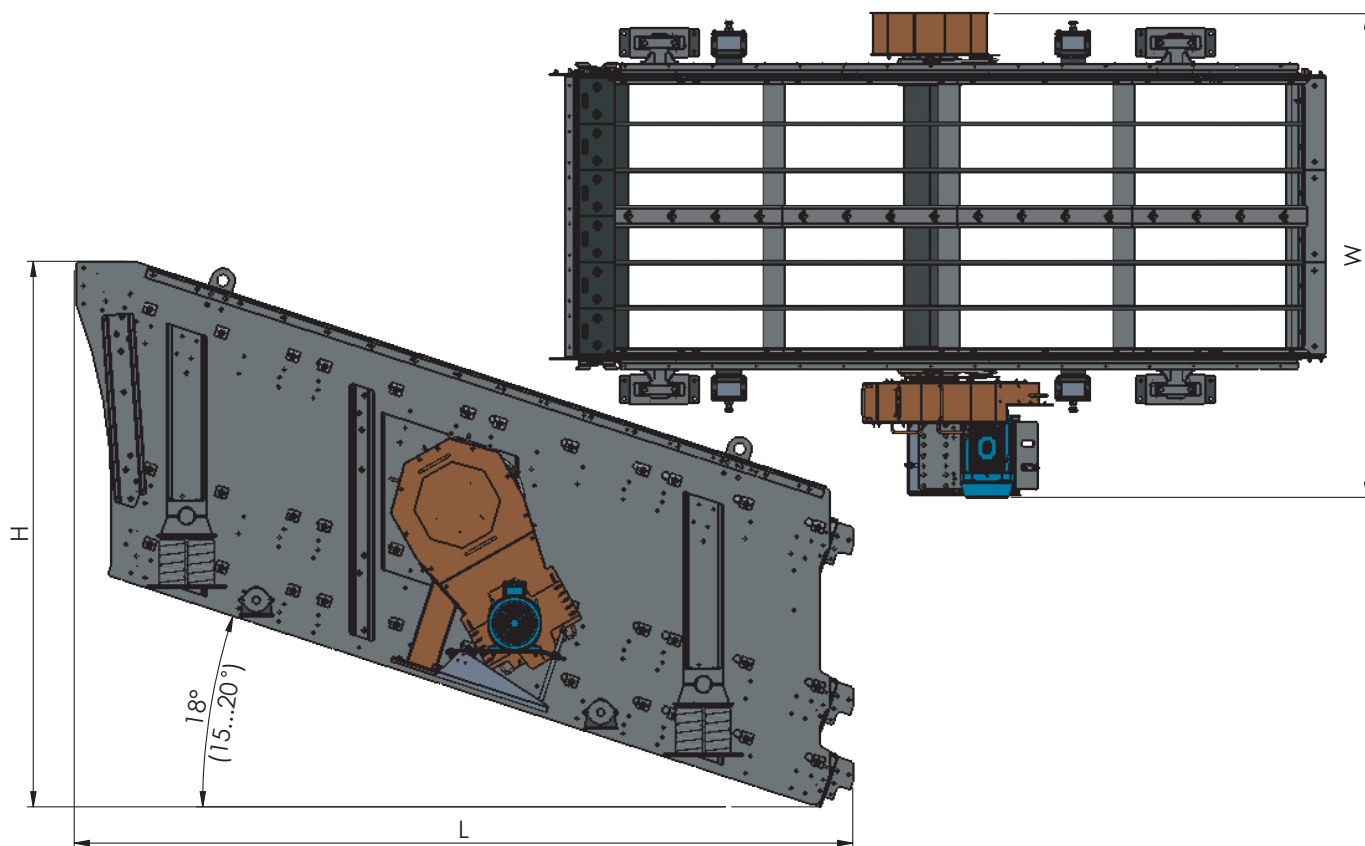
Average weight	kg	3,700	4,750	6,100	7,650
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### NOMINAL OPERATING LIMITS

Max. feed size (at BD 1.8)	mm	300	300	300	300
Max. drop height (at BD 1.8)	mm	750	750	750	750
Inclination angle range	deg.	15-20	15-20	15-20	15-20
Standard inclination angle	deg.	18	18	18	18
Separation range	mm	1-130	1-130	1-130	1-130
Speed range	rpm	780-950	780-950	780-950	780-950
Stroke range	mm	7-12	7-12	7-12	7-12

### ELECTRIC MOTOR (STANDARD ARRANGEMENT)

Installed power	kW	11	11	15	18,5
Motor speed	rpm	1,500	1,500	1,500	1,500
Motor standard		EN/IEC	EN/IEC	EN/IEC	EN/IEC
Efficiency class	IE class	IE3	IE3	IE3	IE3
IP rating		55	55	55	55



### 3 DECK

1543      1853      1863      2163      2463

#### GENERAL TECHNICAL DATA

Stroke motion

Circular

Application

Construction

#### DIMENSIONS

Unit

Deck width (nominal)	ft. / mm	5 / 1,524	6 / 1,829	6 / 1,829	7 / 2,134	8 / 2,438
Deck length (nominal)	ft. / mm	12 / 3,658	16 / 4,877	20 / 6,096	20 / 6,096	20 / 6,096
Screening area per deck	sqr ft. / m <sup>2</sup>	60 / 5.6	96 / 8.9	120 / 11.1	140 / 13.0	160 / 14.9
Overall width (in installation angle; 18 deg.)	mm	2,889	3,194	3,200	3,505	3,830
Overall length (in installation angle; 18 deg.)	mm	3,940	5,100	6,493	6,260	6,493
Overall height (in installation angle; 18 deg.)	mm	2,744	3,037	3,983	3,983	4,137
Qty of mechanisms	pcs	1	1	1	1	1

#### LOADS

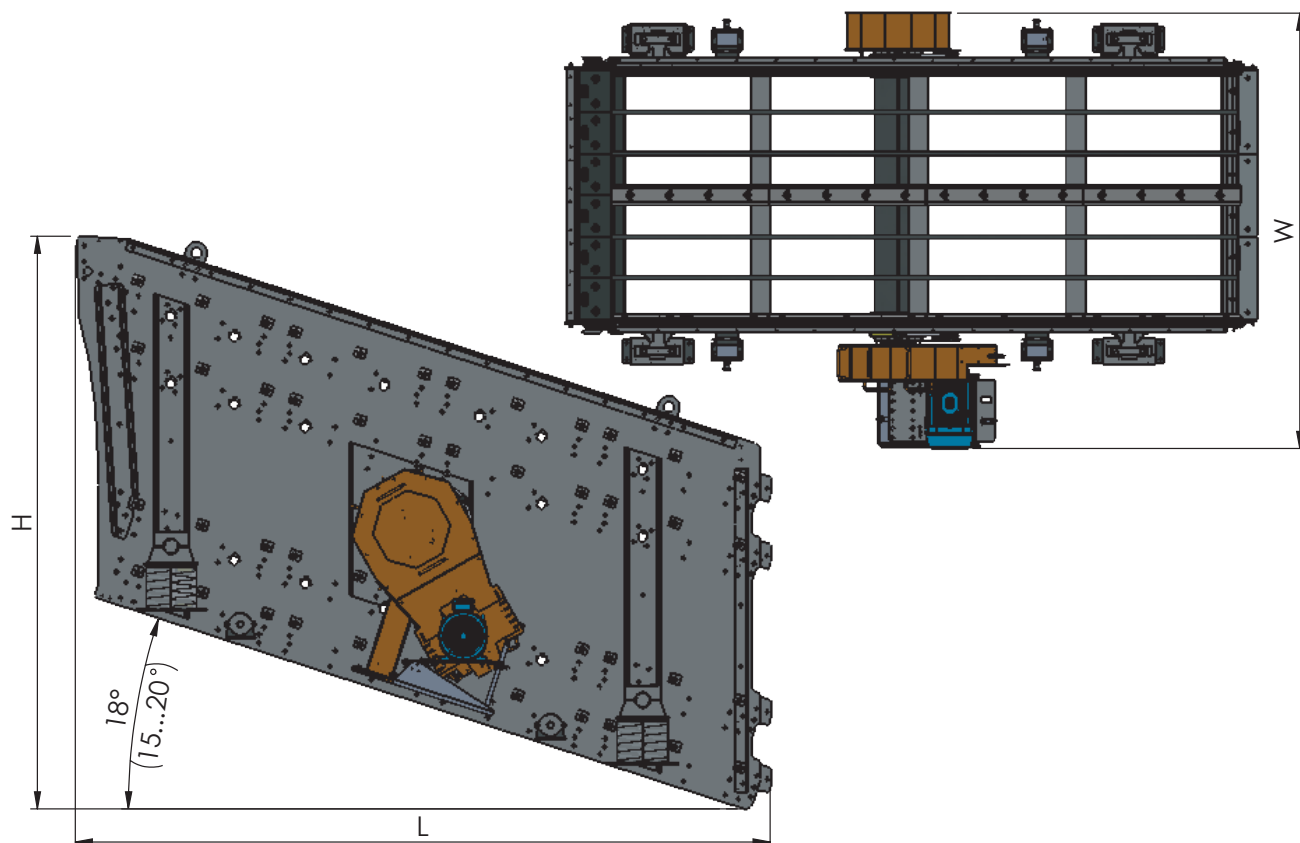
Average weight	kg	4,750	6,800	8,400	8,150	9,900
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#### NOMINAL OPERATING LIMITS

Max. feed size (at BD 1.8)	mm	300	300	300	300	300
Max. drop height (at BD 1.8)	mm	750	750	750	750	750
Inclination angle range	deg.	15-20	15-20	15-20	15-20	15-20
Standard inclination angle	deg.	18	18	18	18	18
Separation range	mm	1-130	1-130	1-130	1-130	1-130
Speed range	rpm	780-950	780-950	780-950	780-950	780-950
Stroke range	mm	7-12	7-12	7-12	7-12	7-12

#### ELECTRIC MOTOR (STANDARD ARRANGEMENT)

Installed power	kW	11	15	18,5	18,5	18,5
Motor speed	rpm	1,500	1,500	1,500	1,500	1,500
Motor standard		EN/IEC	EN/IEC	EN/IEC	EN/IEC	EN/IEC
Efficiency class	IE class	IE3	IE3	IE3	IE3	IE3
IP rating		55	55	55	55	55



#### 4 DECK

1854

1864

2164

2464

#### GENERAL TECHNICAL DATA

Stroke motion

Circular

Application

Construction

#### DIMENSIONS

Unit

Deck width (nominal)	ft. / mm	6 / 1,829	6 / 1,829	7 / 2,134	8 / 2,438
Deck length (nominal)	ft. / mm	16 / 4,877	20 / 6,096	20 / 6,096	20 / 6,096
Screening area per deck	sqr ft. / m <sup>2</sup>	96 / 8.9	120 / 11.1	140 / 13.0	160 / 14.9
Overall width (in installation angle; 18 deg.)	mm	3,200	3,226	3,525	3,830
Overall length (in installation angle; 18 deg.)	mm	5,100	6,260	6,493	6,493
Overall height (in installation angle; 18 deg.)	mm	3,850	4,256	4,504	4,544
Qty of mechanisms	pcs	1	1	1	1

#### LOADS

Average weight	kg	8,000	9,500	10,800	11,600
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#### NOMINAL OPERATING LIMITS

Max. feed size (at BD 1.8)	mm	300	300	300	300
Max. drop height (at BD 1.8)	mm	750	750	750	750
Inclination angle range	deg.	15-20	15-20	15-20	15-20
Standard inclination angle	deg.	18	18	18	18
Separation range	mm	1-130	1-130	1-130	1-130
Speed range	rpm	780-950	780-950	780-950	780-950
Stroke range	mm	7-12	7-12	7-12	7-12

#### ELECTRIC MOTOR (STANDARD ARRANGEMENT)

Installed power	kW	15	18,5	18,5	18,5
Motor speed	rpm	1,500	1,500	1,500	1,500
Motor standard		EN/IEC	EN/IEC	EN/IEC	EN/IEC
Efficiency class	IE class	IE3	IE3	IE3	IE3
IP rating		55	55	55	55







# THE RIGHT MEDIA FOR THE RIGHT OUTCOME

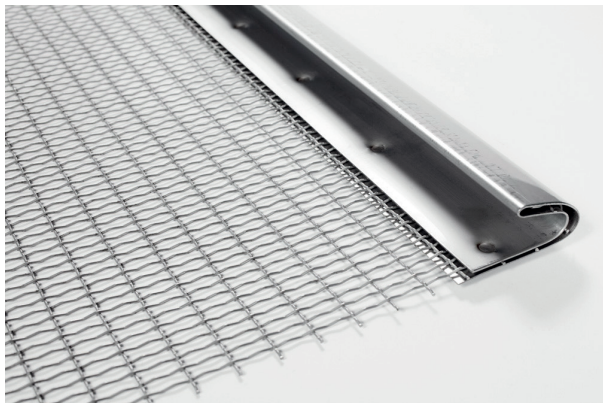
Your screening media is just as important to your operation as choosing the right chamber for your crusher. But it doesn't stop at screens alone. When your setup is optimized for your unique needs, then you really start maximizing your productivity.

Screening media is not one size fits all. Unlike many other suppliers of screen panels, we intimately understand the challenges you face and can work with you to analyze your classification objectives and challenges to create a screening media solution that will maximize your operation – and your output.

With Sandvik, you get an OEM partner with more than a century of experience in crushing and screening. Bringing all of our deep expertise and process knowledge to your operation, we not only provide you with the right screening media. We also have an array of service offerings to optimize your entire crushing and screening circuit, helping you solve problems, and raise your profits.

Some solutions, such as the WX6500 and WX7000, are exclusive to Sandvik and provide additional added value unavailable from other suppliers.

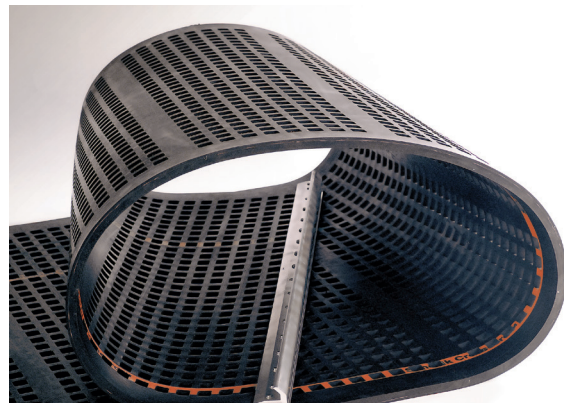
WX1000 WIRE MESH



This is a tensioned screening media used primarily for fine to medium screening in dry applications. Generally with separations between 1-90 mm and max. feed lump size at 200 mm.

The WX1000 media is available in a variety of widths, lengths and with different steel wire thicknesses. A large selection of aperture sizes is available, both square and slotted. Steel wire thickness is selected based on the application: thinner wire when a more flexible cloth or high accuracy is needed, thicker wire when maximum lifetime is requested or when coarse material is fed to the screen. Wire mesh cloths are available in several weave patterns and steel grades.

WX6000 TENSIONED RUBBER SCREENING MEDIA

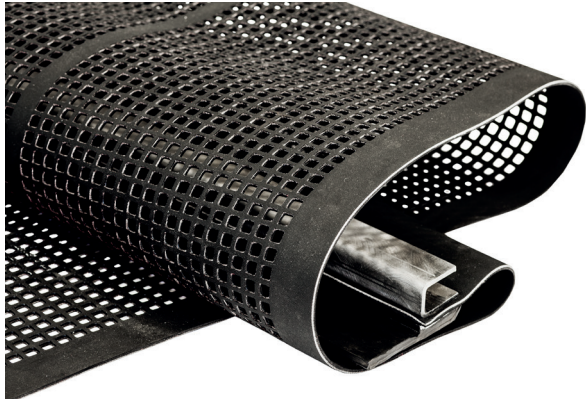


For both cross- and length-tensioned screens, our Sandvik WX6000 tensioned rubber panels are designed with precision-punched holes for fine- to medium-coarse screening in your dry applications. Its flexible rubber reduces the risk of pegging and blinding, and it is hardwearing with strong, heat-treated cord reinforcement near the bottom of the panel to extend its wear life.

These tailor-made panels are designed for screens with crowned decks and support bars, separations between 5.6 and 63 mm, and a max feed lump size of 150 mm.

They can be optimized for either capacity or longest possible wear life, ensuring you get the most out of your screening media.

#### WX6500 TENSIONED RUBBER SCREENING MEDIA

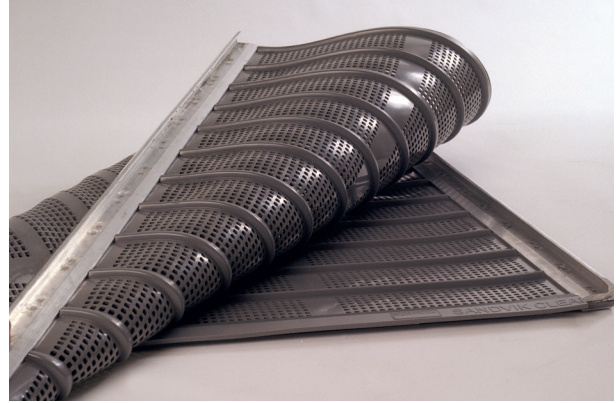


At last there's a screening media that surpasses expectation. With Sandvik WX6500, you no longer have to choose between accuracy and durability. You simply get both.

The difference with Sandvik WX6500 rubber screening media is clear from the moment you encounter it. And it continues throughout the life cycle. Every step of the way, Sandvik WX6500 reduces the time, effort, and costs associated with fine screening.

The WX6500 can be regarded as an all-around screening media designed primarily for final and intermediate stage screening in dry applications, generally with separations between 2 – 32 mm and max. feed lump size of 70 mm.

#### WX7000 TENSIONED ANTI-BLINDING POLYURETHANE SCREENING MEDIA



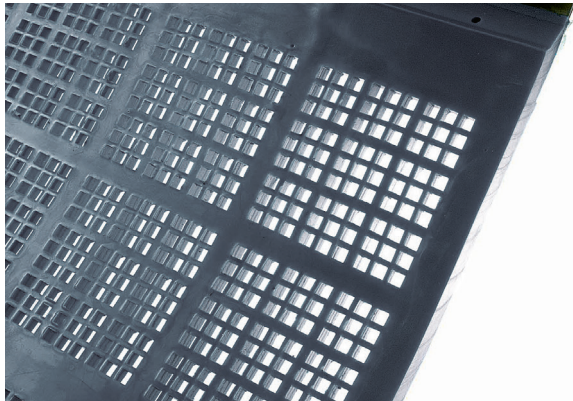
It's the anti-blinding screening media that stays clean even in difficult applications, such as fines combined with moisture.

The unique combination for WX7000's anti-blinding and long life increases both your capacity and profitability. This has enabled our customers to reduce their screening media cost by 30%, and experience up to 35 times longer life than from a conventional wire mesh.

Our tailor-made Sandvik WX7000 tensioned polyurethane panels are your best choice when fine screening and separating 2-16 mm material and a max. feed lump size of 30 mm.

The WX7000 panels ensure superior screening accuracy by the use of our special dam bars that slow down undersized material on the screen deck, while allowing oversized material to pass quickly over the deck. Flexible screen membranes between reinforcing steel wires also keep the panels clean, even in difficult conditions when moisture is combined with fines.

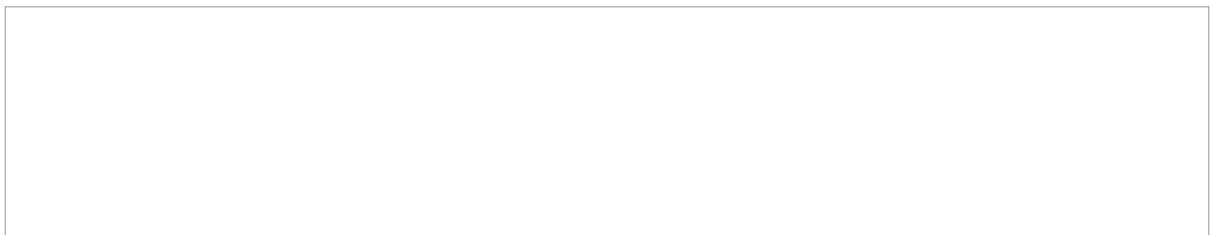
#### WX8500 TENSIONED PU SCREENING MEDIA



The WX8500 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. It is available in a variety of widths, lengths and thicknesses and intended for installation in screens with crowned screen decks complete with support bars. Being made of hardwearing polyurethane, it is specially designed to cope with the tough requirements imposed on screening cloth and gives a long wear 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.



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