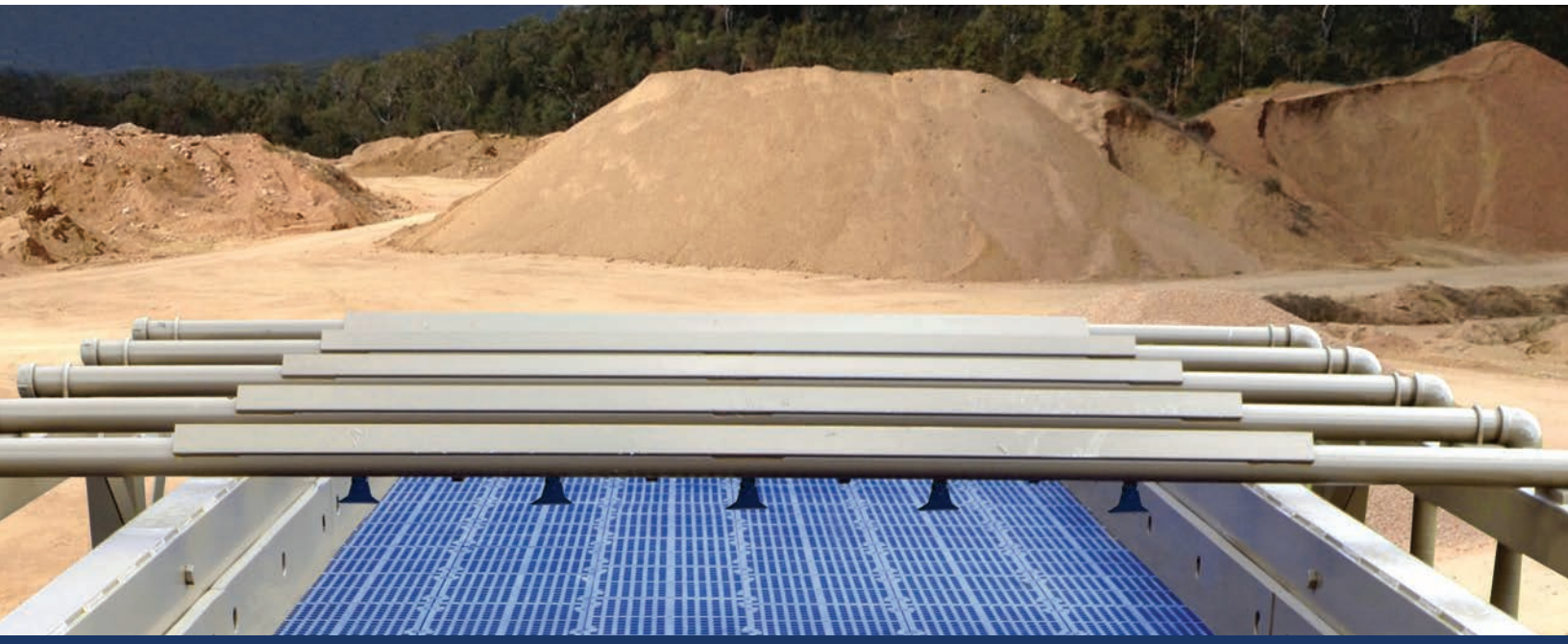
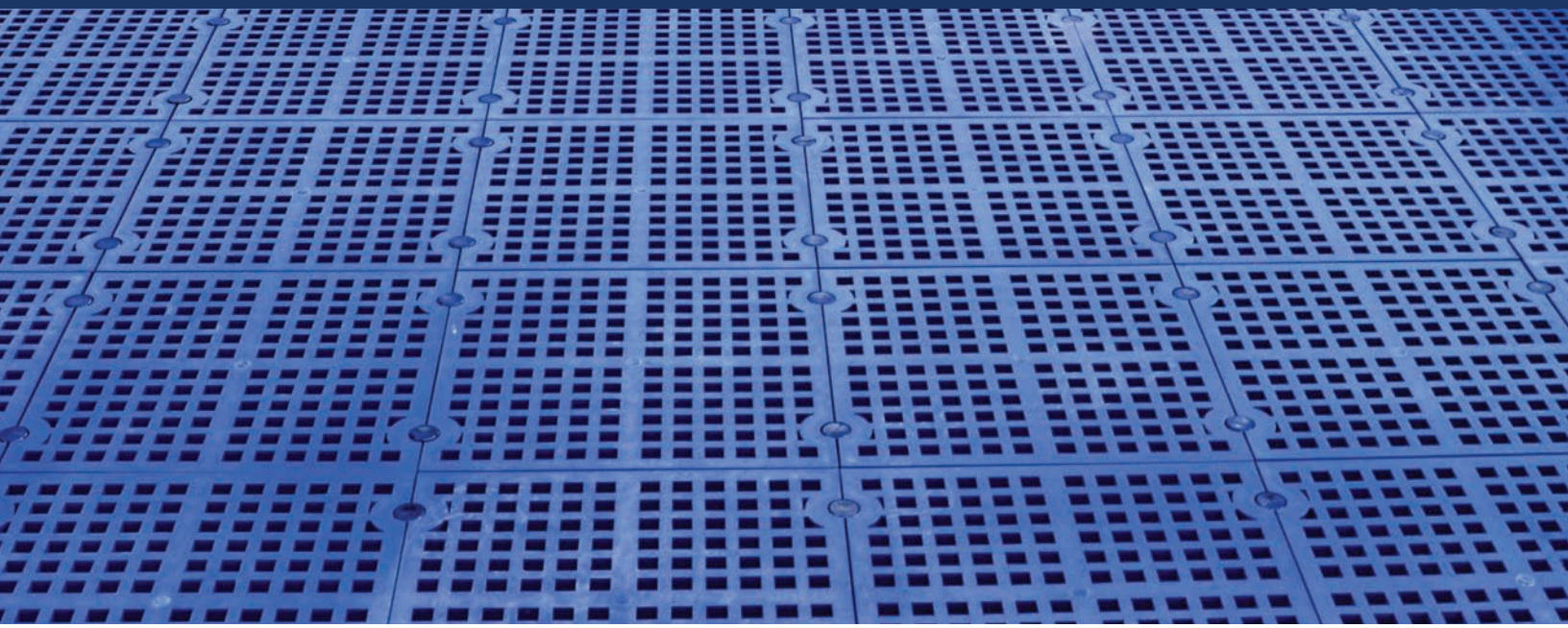


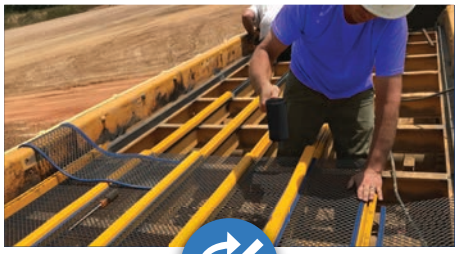
URETHANE PANEL & ACCESSORY GUIDE

Buffalo Wire Works
Est. 1869
Crushing | Sizing | Conveying



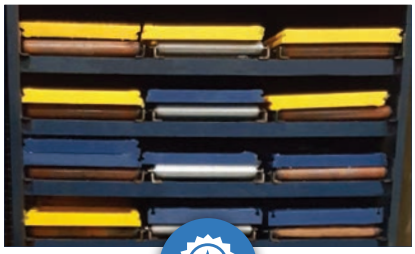
WWW.BUFFALOWIRE.COM | 716.826.4666 | BUFFALO, NY 14206

MORE THAN A WIRE COMPANY



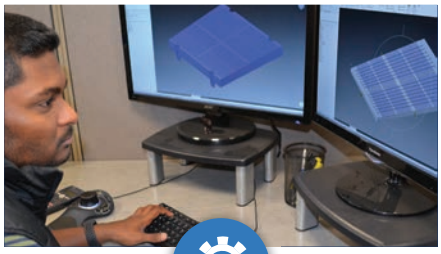
CUSTOMIZED SOLUTIONS

We solve the industry's most complex problems and welcome all challenges! We pride ourselves on being able to cater to your specific application needs.



CUTTING EDGE PRODUCTS

Proudly manufacturing the highest quality products in the United States since 1869. No matter your need, we promise to bring you the best solution.



WORLD CLASS ENGINEERING

We are continuously developing the next generation of products to reduce our customers' overall operating costs. Our products and our staff are beyond dependable.

Buffalo Wire Works is a global leader in manufacturing highly engineered and innovative screening media products. For 150 years, we have been providing excellent quality screening media for a variety of industries, including aggregate, mining, industrial, recycling and architectural. Our proven manufacturing and engineering experience is unsurpassed in the industry. We have the knowledge and equipment to meet and exceed your expectations.

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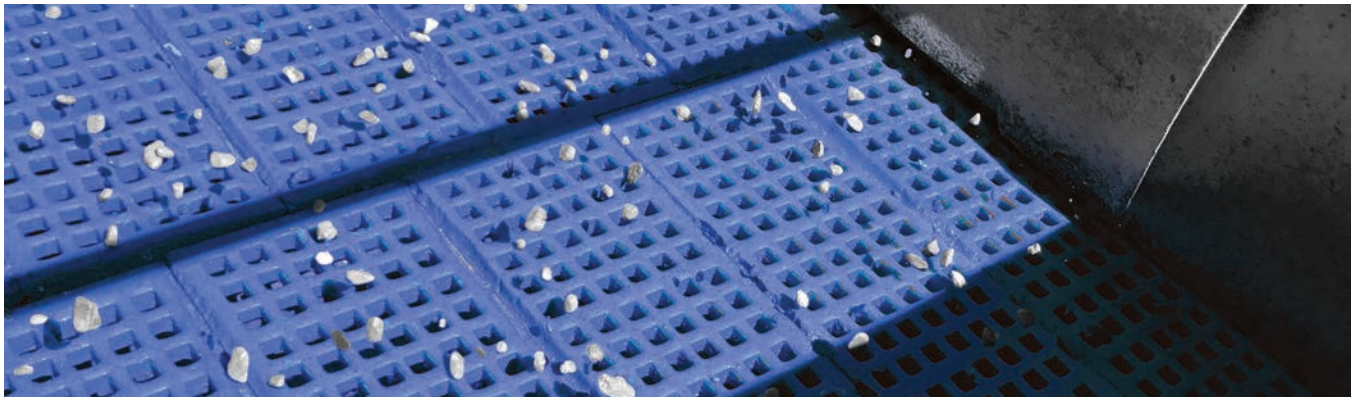
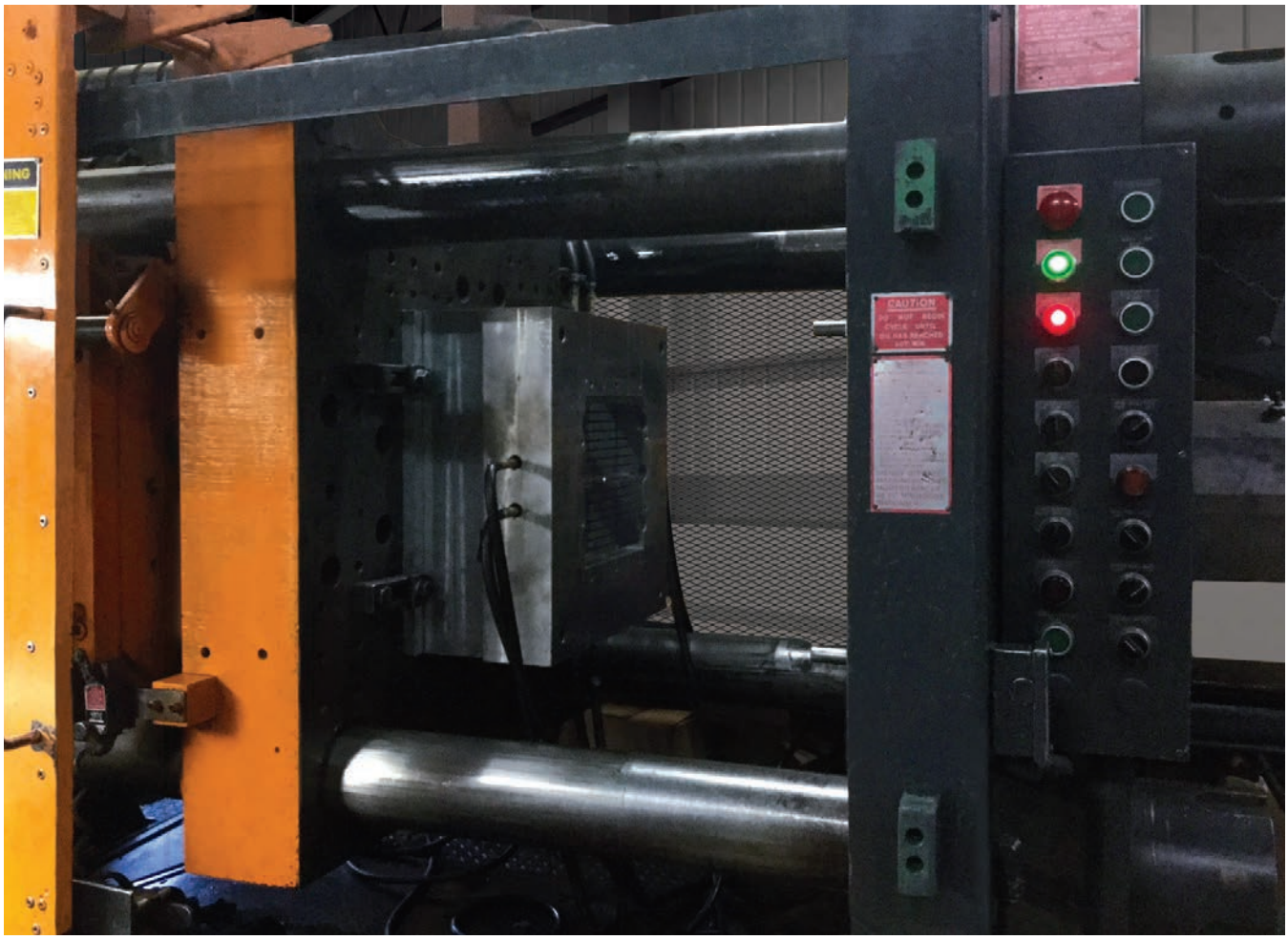


Buffalo Wire Works offers a wide variety of high quality replacement urethane media and accessories. Our urethane products include specifications for standard and maximum open area panels.

URETHANE PANELS & ACCESSORIES

TECHNICAL INFORMATION



Urethane Products

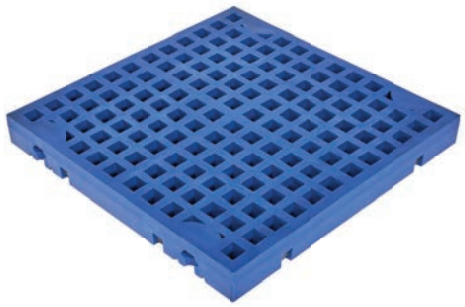
Buffalo Wire Works produces a full range of polyurethane screen panels to screen your most difficult materials. These high quality urethane screens offer longer life in both wet and dry applications while providing superior abrasion resistance and toughness. Either thermoset or thermoplastic processes are applied to provide the finest selection of urethane modular panels, designed to meet every customer's requirements.

Our urethane screens provide efficient screening of materials in numerous industry applications, such as dewatering, mining, stone, sand, gravel and many others.

Why use urethane?

- Lasts 7 to 9 times longer than wire cloth
- Superior abrasion and wear resistance
- Tapered openings and resilience help to reduce blinding and plugging
- Significant noise reduction
- Lightweight and easy to change out
- Wide array of openings and sizes
- Available in standard and maximum open area design
- Mixing of gradations
- Ease of storage
- Various durometers

POLYDECK® POLYSNAP®



- Pin-less panel easily snaps into place
- Available in standard and maximum open area design
- Only a mallet is needed for installation
- 1′ x 1′ panel
- Available in 30, 40, 45 and 50mm thicknesses
- Available in 4 and 6 fastening points
- Available in small and large snap sizes

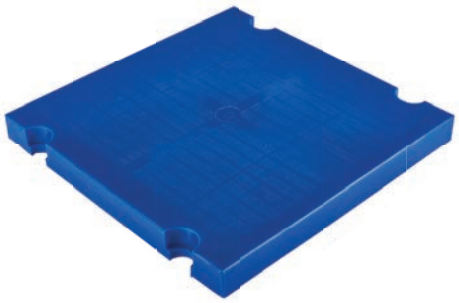
For technical information, see page 18

POLYDECK® PIN & LEG

- Available in standard and maximum open area design
- 1′ x 1′ and 1′ x 2′ panels available
- Available in 30, 40, 45, 50, 60, 80 and 100mm thicknesses
- Available in 4, 6, 8,12,16 and 18 fastening points

For technical information, see page 19

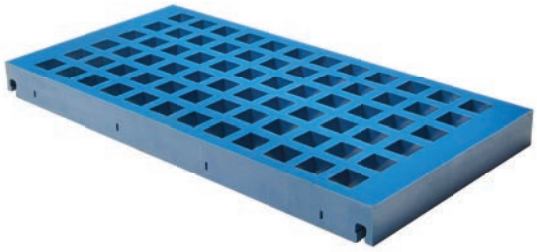
POLYDECK® PIN & SLEEVE



- Available in standard open area design
- Uses separate anchor pin and sleeve
- Use this panel for extra strength in heavy duty applications
- 1′ x 1′ and 1′ x 2′ panels available
- Available in 30, 40, 45, 50, 60, 80 and 100mm thicknesses

For technical information, see page 20

POLYDECK® POLYRAIL™



- Bolt-on rail system
- Easily snaps into place for quick installation
- 2′ x 1′ panel
- Available in 42 to 60mm thicknesses
- Commonly found in the coal industry

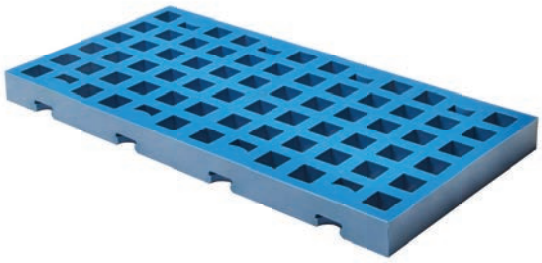
For technical information, see page 21

TEMA ISENMANN WS 85®

- Reinforced design for extra strength and deck loading
- Snaps into knock-in bar or conversion strip
- 1′ x 1′, 1′ x 2′ and 1′ x 4′ panels available (other lengths available upon request)
- Available in 30, 40, 45, 50, 60 and 80mm thicknesses
- Center, side, half side & side runners also available
- Available in single, dual-duro and flexi-membrane

For technical information, see page 22

LINATEX® SNAPDECK® 2000



- Available in maximum open area design
- Pin-less panel change out
- Panels are the same for both side and center installation
- 1′ x 2′ panels available
- Available in 30, 40, 45 and 50mm thicknesses

For technical information, see page 23

LINATEX® SNAPDECK® CLASSIC

- 11- 5/8″ width
- 1' x 2′ and 1' x 4′ panels available
- Available in standard open area design
- Suitable for a variety of applications
- Easy to install and remove
- Build height starts at 40mm

For technical information, see page 24

MCLANAHAN® SNAP

- 12″ width
- 1' x 2′ and 1' x 4′ panels available
- Available in standard open area design
- Ideal in fine aperture designs
- Easy to install and remove
- Build height starts at 40mm
- Classic U-Channel panel

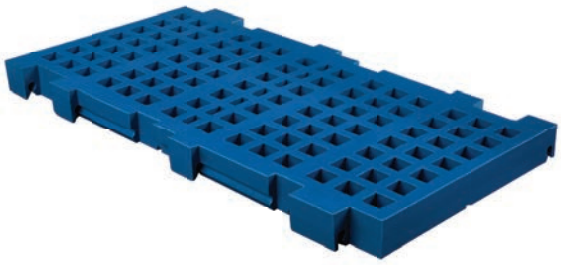
For technical information, see page 24

MCLANAHAN® TECHLOK

- Available in standard open area design
- 1′ x 1′ panel
- Only a mallet is needed for installation
- Available in 30, 40 and 45mm thicknesses

For technical information, see page 25

METSO® TRELLEX® 300 LS, 305 LS



- LS 300 is 300 x 610mm or 500mm
- LS 305 is 305 x 610mm or 500mm
- Standard open area design
- Effective in both wet and dry applications
- Simple snap-on installation
- Build height starts at 30mm

For technical information, see page 26

METSO® TRELLEX® TS

- Step system (TS or Trellstep®) type fits onto rod attached to angle iron
- Available with or without lip
- Ideal for washing systems with river effect
- Build height starts at 30mm

For technical information, see page 27

WESTRAIL™

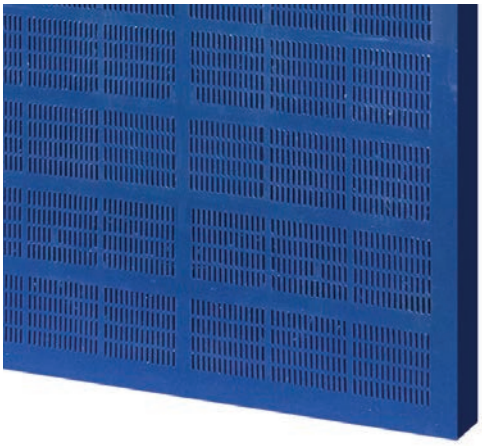
- 2′ x 1′ panel
- Available in standard open area design
- WestRail™ fits onto intermediate rail
- Easy to install and remove
- Build height is 45mm
- 16" x 12", 20" x 12" and 24" x 12" (other lengths available upon request)

For technical information, see page 28

URETHANE TENSION MATS

- Ideal for experiencing the benefits of urethane without conversion costs
- Custom designed to blankout support bars for added wear life
- Fits all crowned decks
- Available in side or end tensioned panels
- 1/2", 1" and 1-1/2" thicknesses available, depending on opening

FLAT FRAMED PANELS



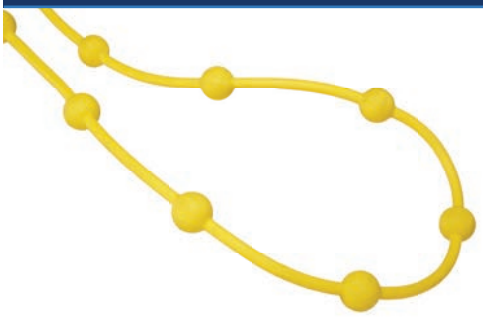
- Popular in Europe from Screening Consultancy & Supplies Ltd.
- Used in wet applications only
- Commonly found on Terex® Washing Systems and Powerscreen® Systems
- All apertures available
- These panels do not have a fastening feature

For technical information, see page 29

URETHANE TROMMEL

- Screens manufactured for different length and diameter trommel machines
- Excellent for screening heavy minerals
- Highly efficient in dredge systems

ANTI-CLOGGING CHAIN



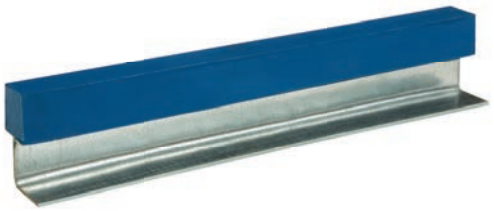
- Flexible urethane rope with mesh cleaning balls attached
- Increases productivity by limiting blinding
- No conversion necessary
- Also safe for use on PFX anti-blinding screens and fine mesh screens

CROWN BAR CONVERTER

- Allows modular panels with a flatdeck to be easily converted to a side tensioned crowned screen deck
- Increases open area and efficiency
- Can be used for temporary or long term conversions
- Multiple heights available for a smooth crown on all machine widths
- Available for Tema and Polydeck® stringers

For technical information, see page 30

DAM ADAPTER



- Slows materials down to easily allow them to pass through openings
- Best for temporarily testing the effect of a dam
- Can be added to any panel

URETHANE CROWN BARS

- Fits 1/4", 3/8", 1/2" and 3/4" wide support bars
- Lasts 5 to 7 times longer than traditional rubber crown bars
- Comes in standard 4' sections (5' sections available upon request)
- Multiple profile shapes and wire heights available

For technical information, see page 31

EDGE TRAPPERS

- Used with Tema Isenmann WS 85® stringers
- Ideal for generating increased open area and throughput
- Easy to use
- Can be used on various media types, including wire cloth and self-cleaning screens
- Side edge available with 5mm or 10mm slot

- **For technical information, see page 30**

TUBE COVERS

- Protects deck support tubes located under each screen deck
- Injection molded and cast
- 14" circumference, 12" length
- Stainless steel hose clamps
- Molded to shape with 4", 6" or 8" diameters (6" is standard)

SPRAY BAR DEFLECTORS

3 Styles Available

- **Round barrel nozzle**
  - Hole orifice ranges from 5 to 9.5mm
  - Thread size of 3/4" or 1/2"
- **Fantail threaded nozzle**
  - Hole orifice ranges from 3.1 to 9.5mm
  - Thread size of 3/4" or 1/2"
- **Metal U-bolt assembly**
  - 1-1/2", 2", 2-1/2" and 3"

For technical information, see page 31

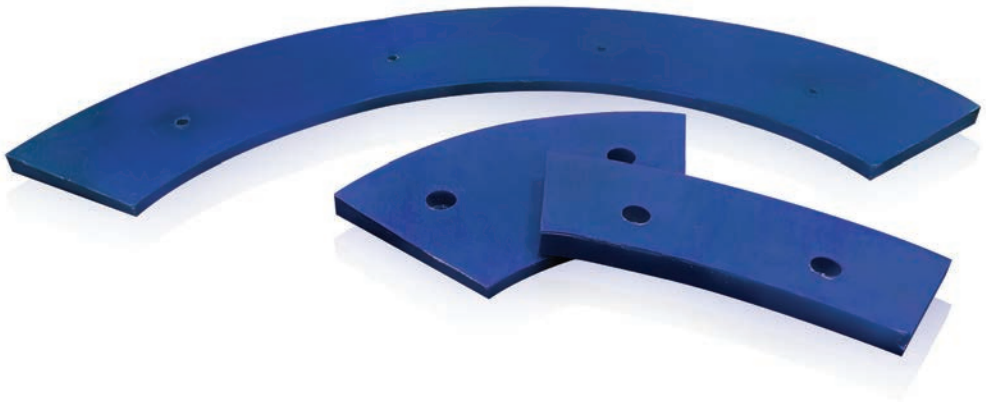
URETHANE COATED TENSION RAILS

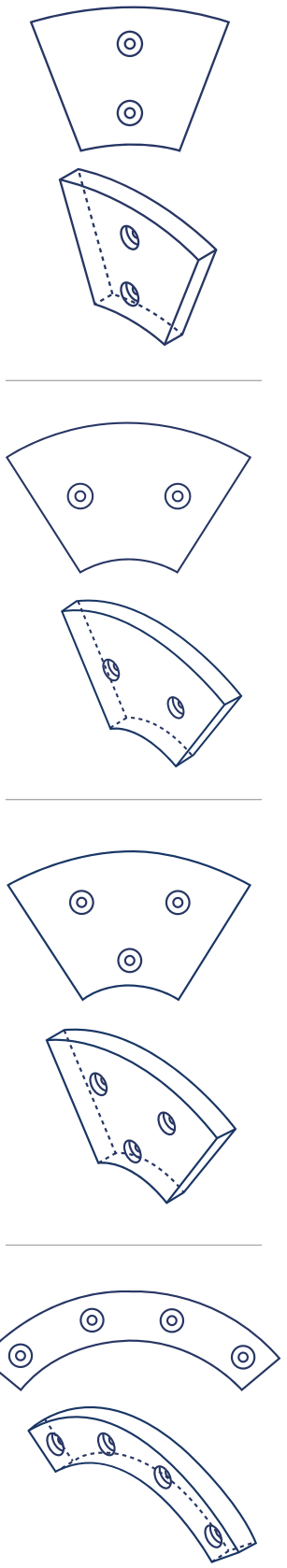
- Custom built to fit many OEM shapes & sizes
- Better overall wear protection when compared to standard steel
- Recommended for use with urethane tension mats

*** See Application Data Sheet on page 35**

CLASSIFIER SHOES (SCREW FLIGHTS)

- Fits on coarse or fine material washers and sand screws
- 4 different style designs for proper fit (see diagram to the right)
- Longer lasting high quality urethane
- Lightweight and easy to install
- Increases machine life and reduces power consumption
- Flexibility of urethane eliminates the need for right hand and left hand
- Available with customizable options, such as lip or full metal backing





COMPATIBLE WITH THESE CLASSIFIER SHOE MACHINES

- Eagle
- Trio
- Gator
- Denver
- McLanahan®
- Greystone®
- Akins
- Cindaco
- Kolberg® Pioneer
- Nermco
- Armadillo
- Telsmith®
- Wemco®
- And more...

OPTIONS FOR MATERIALS OF CONSTRUCTION

- Urethane (optional full metal back, optional contour)
- Urethane (optional ceramic beads at ends for additional wear protection)
- Cast Metal (Ni-Hard, Hi-Chrome)

We can also manufacture your existing classifier shoe. Simply send a physical sample of your classifier shoe and submit an **application data sheet*** for the desired design.

*** See Application Data Sheet on page 36**

TRAINING GUIDES

- The easiest way to keep your conveyor belt aligned; install one on each side of the belt
- Attaches to any idler
- Available to fit 4", 5" and 6" cans
- Item is normally in stock

CONVEYOR FLIGHTS

- 100% wear resistant urethane
- Designed to fit multiple width drag conveyors
- Lasts longer than traditional metal

URETHANE SKIRTING

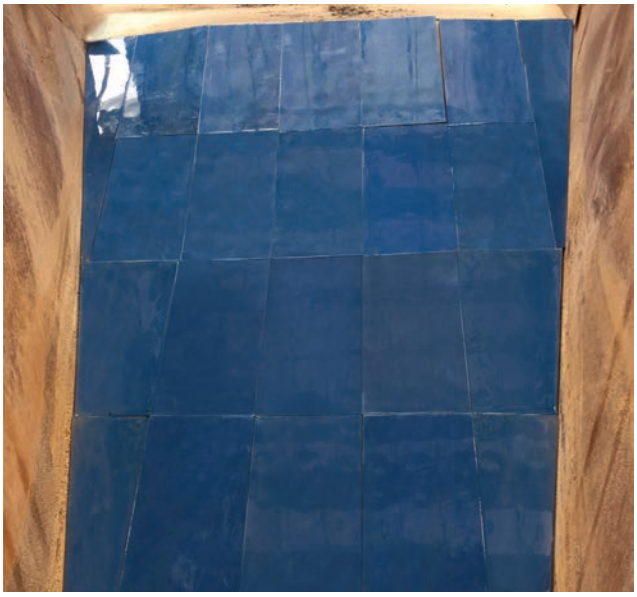
- Ideal for lining transfer points
- 4", 5", 6" heights available (standard 1/2" thickness)
- 25' rolls (standard)
- Rolls larger than 25' available upon request

MODULAR & CUSTOM LINERS

Buffalo Wire Works manufactures a wide variety of urethane wear liners for your toughest applications. From light to heavy duty wear protection, our liners are available from 1/2" to 3" thick, with sizes ranging from 12" x 12" to 60" x 120". We offer urethane sheets, as well as magnetic and weldable liners.

MODULAR STANDARD PROTECTION

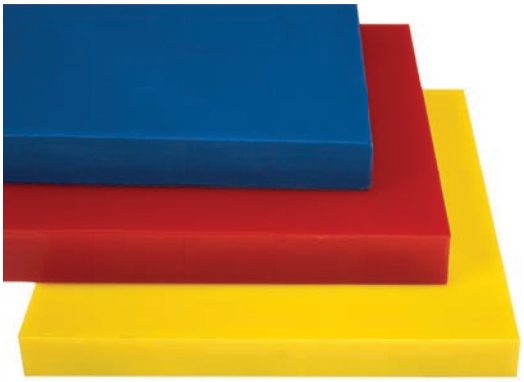
- Available in standard 12" x 12" wear panels for easy installation
- Stocked in 1" and 2" thick pads
- Designed to fit your individual wear protection system
- Easy to replace small sections based on your application
- Allows flexibility to install thicker panels in high wear areas



CUSTOMIZED PROTECTION

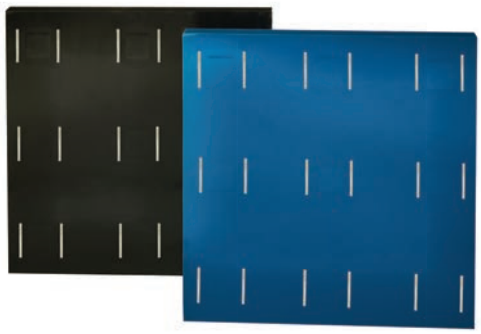
- Custom wear solutions designed for complex shapes and layouts
- Custom shaped parts help to reduce installation and downtime
- Wear surfaces can be manufactured in most shapes to maximize wear life, resulting in lower operating costs
- Custom kits are designed with numbered layouts and parts for accurate installation and simple reordering

URETHANE SHEETS



- Used in both wet and dry applications
- Available in 60, 70, 80 and 90 durometers
- Thicknesses greater than 1/2" available
- Standard sizes are 48” x 96” or 48” x 120”

MAGNETIC LINERS



- One of the most powerful magnetic liners in the industry
- No bolts, adhesives, welding, cutting or retrofitting required
- For use in both static and vibratory applications
- Products offered include discharge lips, feed lips, pan liners and chute liners
- Easy to install, remove and replace in high wear areas
- Modular designs adaptable to custom shapes
- Unique encapsulated magnet design reduces corrosion
- Thicknesses greater than or equal to 3/4" available

WELDABLE LINERS

- Used in both wet and dry applications
- Available in 60, 70, 80 and 90 durometers
- Thicknesses greater than or equal to 1/2" available
- Available in 1’ x 1’ modular panels or custom designed kits

Chute and Bin Liners:
Customized based on customer supplied drawings, identifying shape (length, width & thickness) and style (steel patches encapsulated into urethane or full metal backed bonded to urethane)

Feed Pan Assembly:
Full metal backing bonded to urethane with bolt pattern for machine installation

Technical Information

Buffalo Wire Works has a complete offering of synthetic screening systems and subframes to meet your most demanding screen applications. Our team of engineers and technical sales representatives will work closely with your operations team to select the best system for your production needs. This includes a technical assessment of your operation, its unique characteristics and specific requirements.

What kind of technical information?

- Manufacturer
- Brand Name
- Manufacturing Method
- Panel Size
- Panel Orientation
- Opening Options
- Flow Direction
- Panel Thickness
- Installation
- Fastening System
- Fastening Design
- Design Features
- Stringer Details
- Panel Design
- How to Measure

DIFFERENCES BETWEEN SOA/MOA PANELS & SUBFRAMES

POLYDECK® - STANDARD OPEN AREA BORDER (SOA)

Stringer Details: First generation stringer
- 2" wide tube with holes cut in it

Fastening Design: Suitable for Pin & Sleeve and Pin & Leg

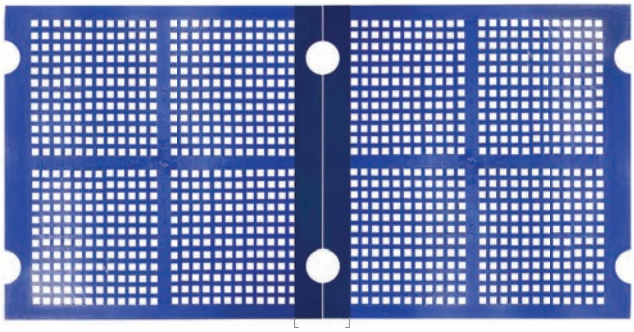
- Panel option with skirt (available upon request) and maximum open area screen design, helps protect the subframe

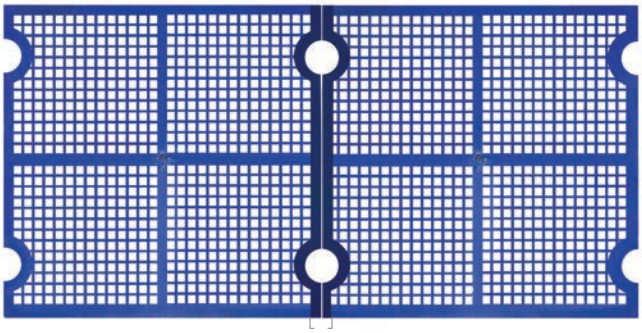
POLYDECK® - MAXIMUM OPEN AREA BORDER (MOA)

Stringer Details: Second generation stringer
- 1/2" wide steel beam
- Available in 3", 4", 5" and 6" heights

Fastening Design: Suitable for Pin & Leg and Polysnap®

- Full length stringers for new screens to meet OEM standards
- Jigged systems pre-fabbed for in-field conversion

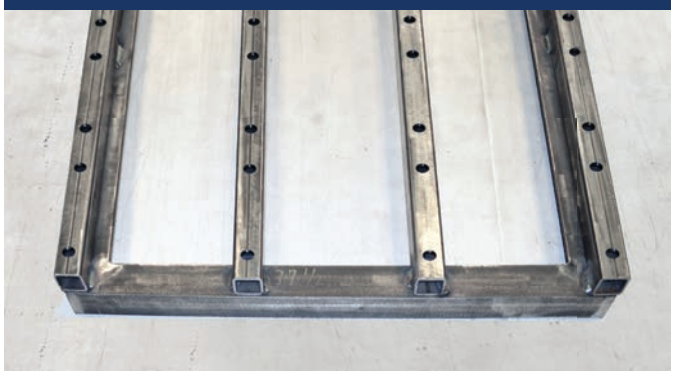




Polydeck® Panels – Identifying Standard & Maximum Open Area

The best place to identify the necessary panel is from the subframe (see below). SOA panels are used on subframes that are 2" wide and MOA panels are used on subframes that are ½" wide. SOA panels have a 1" perimeter from the edge of the panel where it is fastened to the beginning of the openings, while MOA panels have a 3/8" perimeter. Note that MOA panel openings are not in a straight line at the edge of the panel since they contour around the fastening system.

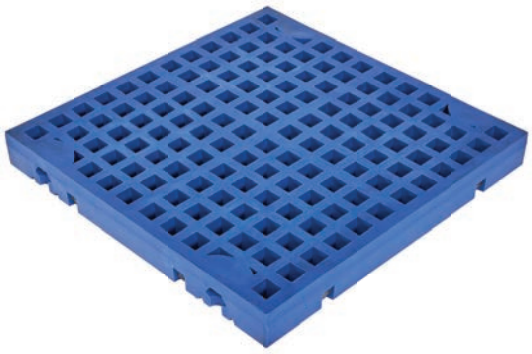
Standard Open Area Subframe



PipeTop II™ Subframe (MOA)

POLYDECK® POLYSNAP®

* See Application Data Sheet on page 38



Manufacturer: Polydeck®

Brand Name: Polysnap®

Design Features: Designed to fit into the PipeTop II™ subframe. Easy snap installation without use of pins.

Manufacturing Method: Cast or injection

Panel Size: 1′ x 1′, 1′ x 2′

Opening Options: Square, slotted, VR and continuous slot

Opening Range: .25mm to 4-1/2"

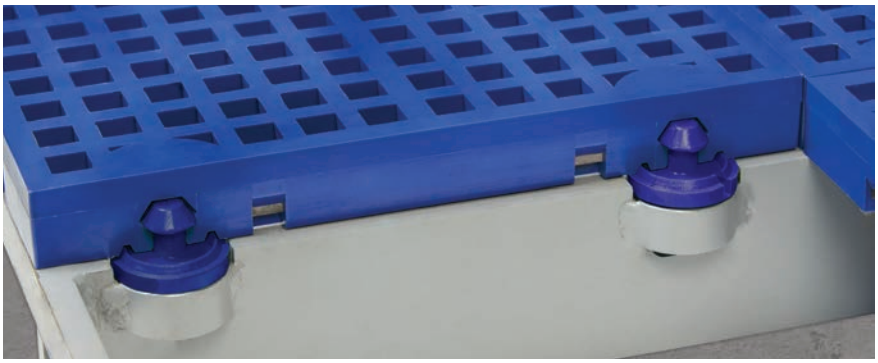
Panel Orientation: 1′ x 1′ and 1′ x 2′

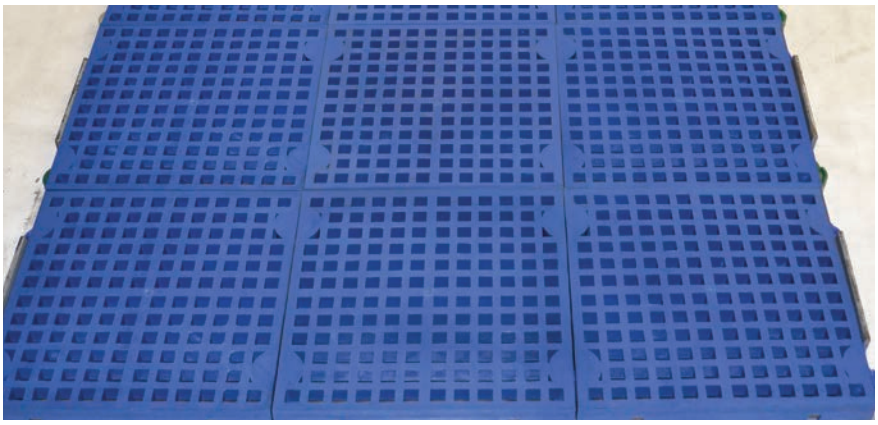
Flow Direction: Dependent on panel size; i.e. parallel to fastening side

Panel Thicknesses: 30, 40, 45 and 50mm

Additional information on page 06

Installation/Fastening System





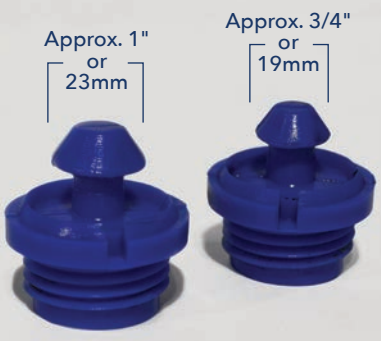
Additional Features

Fastening Design: Mushroom shaped snap feature

Design Features: Flatdeck with easy part removal & installation

In a standard Polydeck® system, the large screw caps are typically red and the small screw caps are typically black.

Screw caps come in large (left) or small (right)



POLYDECK® PIN & LEG

* See Application Data Sheet on page 38

Additional information on page 06

Manufacturer: Polydeck®

Brand Name: Pin-Style

Design Features: Traditional Pin & Leg design allows for maximum open area panel options.

Manufacturing Method: Cast or injection

Panel Size: 1′ x 1′, 1′ x 2′

Opening Options: Square, slotted, VR and continuous slot

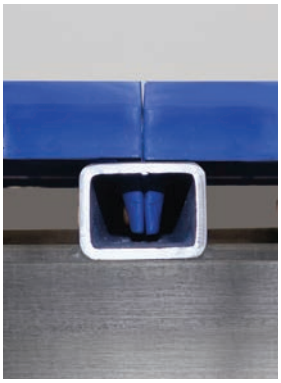
Opening Range: .25mm to 4-1/2"

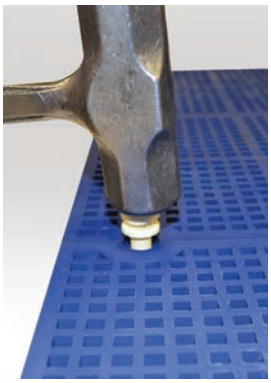
Panel Orientation: 1′ x 1′ and 1′ x 2′

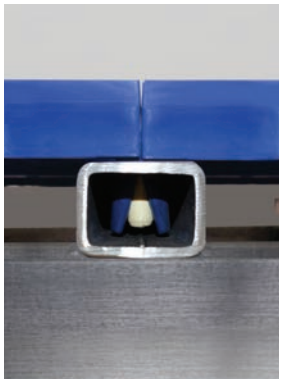
Flow Direction: Dependent on panel size; i.e. parallel to fastening side

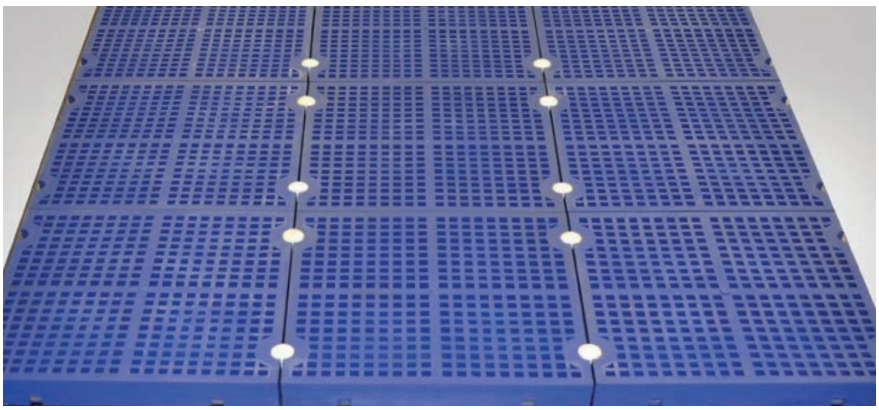
Panel Thicknesses: 30, 40, 50, 60, 70, 80 and 100mm

Installation/Fastening System









Additional Features

Fastening Design: Pins are hammered into the legs to secure the panel to the subframe (see photos to the left).

Design Features: Flatdeck with easy part removal & installation

Pin & Leg

Rubber Pins

POLYDECK® PIN & SLEEVE

* See Application Data Sheet on page 38

Additional information on page 06

Manufacturer: Polydeck®

Brand Name: Pin & Sleeve

Design Features: First generation large head pin anchoring system, designed for SOA subframes.

Manufacturing Method: Both 1′ x 1′ and 1′ x 2′ panels can be cast or injected

Panel Size: 1′ x 1′, 1′ x 2′

Opening Options: Square and slotted

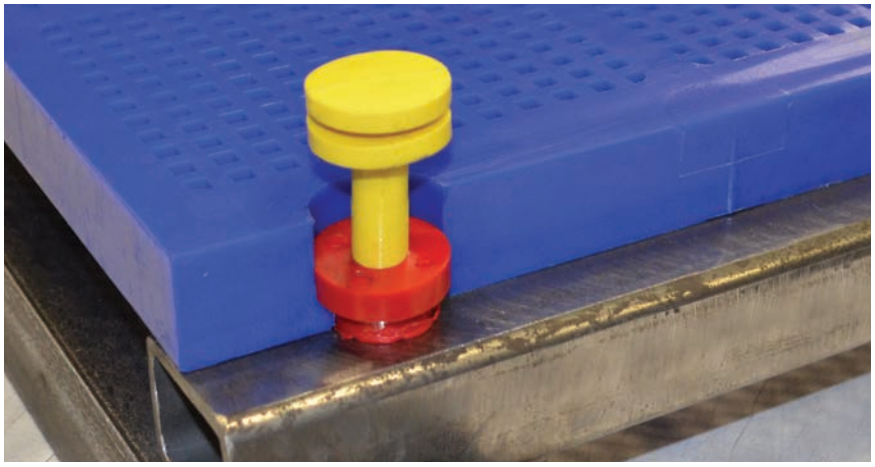
Opening Range: .25mm to 4-1/2"

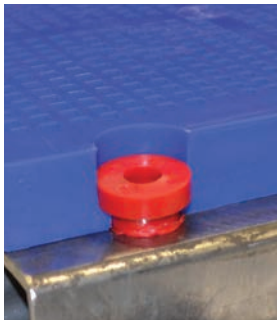
Panel Orientation: 1′ x 1′ and 1′ x 2′

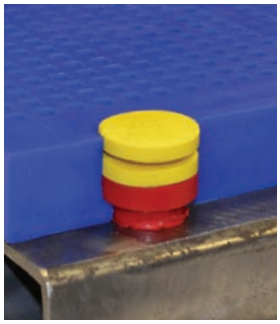
Flow Direction: Dependent on panel size; i.e. parallel to fastening side

Panel Thicknesses: 30, 40, 50, 60, 70, 80 and 100mm

Installation/Fastening System







Additional Features

Fastening Design: Pins are hammered into the sleeve to secure the panel to the subframe (see photos to the left).

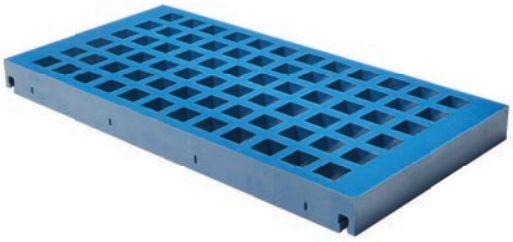
Design Features: Flatdeck with easy part removal & installation

Ideal for heavy loading and high G-force machines

Pin & Sleeve Pins

POLYDECK® POLYRAIL™

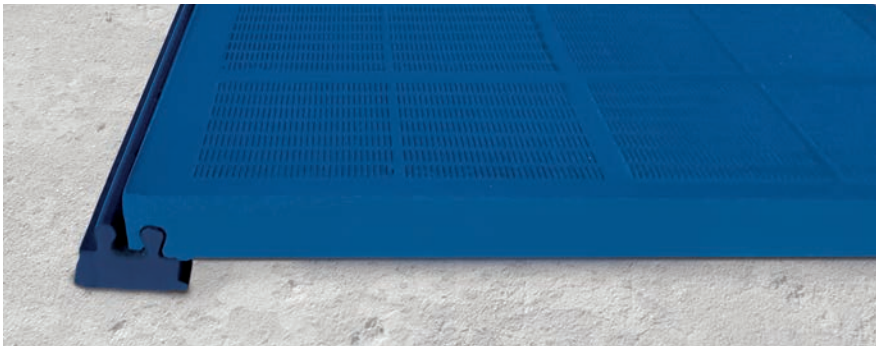
* See Application Data Sheet on page 38

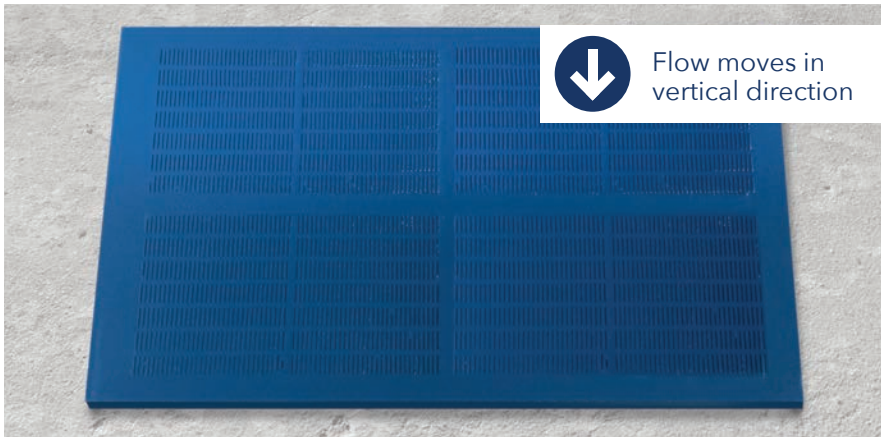


Manufacturer: Polydeck®
Brand Name: Polyrail™
Design Features: 24" x 12" panels snap into customer rail system
Manufacturing Method: Cast
Panel Size: 24" x 12", 20" x 12", 16" x 12"
Opening Options: Square, VR and slotted
Opening Range: 1.0mm to 2"
Panel Orientation: 24" x 12"
Flow Direction: Parallel to shortest side
Panel Thicknesses: 42mm - 60mm

Additional information on page 06

Installation/Flow Direction



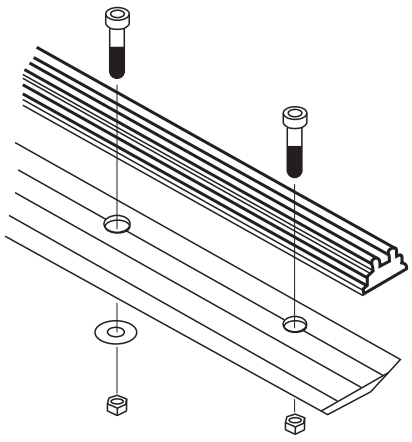


Additional Features

Fastening Design: These panels each attach to a shared stringer with parallel dual snap features. Each panel will snap along the 1" side.

Design Features: Flatdeck system with mounts every two feet, predominantly used in the coal industry.

Stringer Details: Urethane stringers bolt down to machine



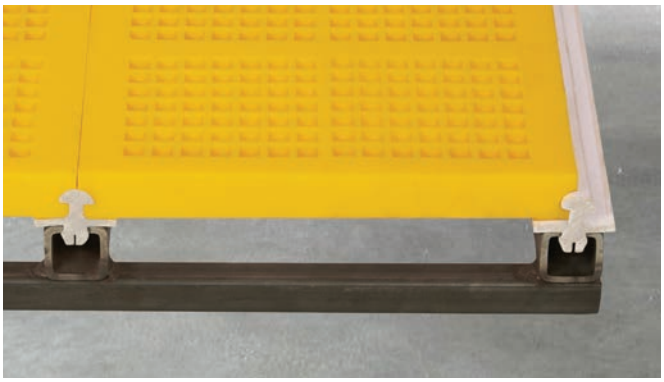
TEMA ISENMANN WS 85®

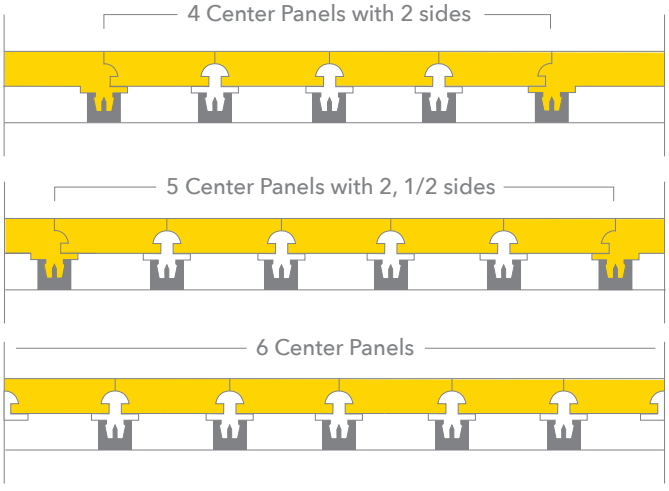
* See Application Data Sheet on page 39

Additional information on page 07

Manufacturer: Tema
Brand Name: WS 85®
Design Features: Flatdeck standard border SOA
Manufacturing Method: Cast
Panel Size: 1′ x 1′, 1′ x 2′ and 1′ x 4′
Opening Options: Square and slotted
Opening Range: .25mm to 4-1/2"
Panel Orientation: 1′ x 1′, 1′ x 2′ and 1′ x 4′ (other lengths available upon request)
Flow Direction: Parallel to longest side
Panel Thicknesses: 30, 40, 50, 60, 70, 80 and 100mm
Material Options: Standard, Flexi and Dual Durometer

Installation/Fastening System





Additional Features

Fastening Design: Panels have a unique groove design along the length of the panel and are installed with the flow of the screen. These panels are then pinched together and secured between two knock-in bars (as shown to the left)

Design Features: Four components make a urethane system: center panels, side panels, knock-in bars and side runners

Center Panel

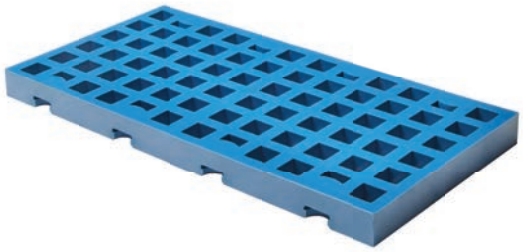
Side Panel

Knock-In Bar

Side Runner

LINATEX® SNAPDECK® 2000

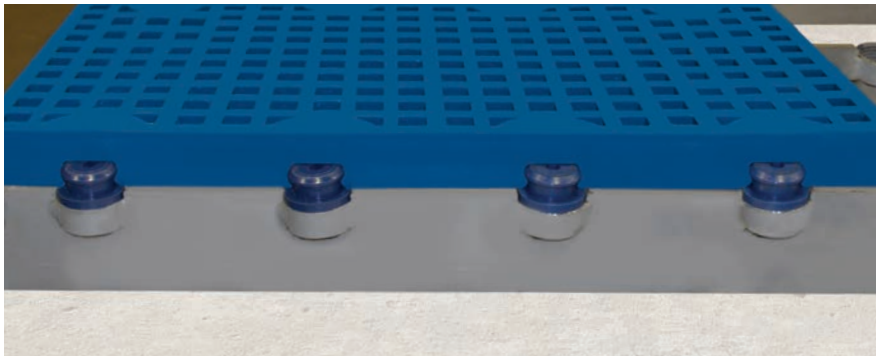
* See Application Data Sheet on page 40

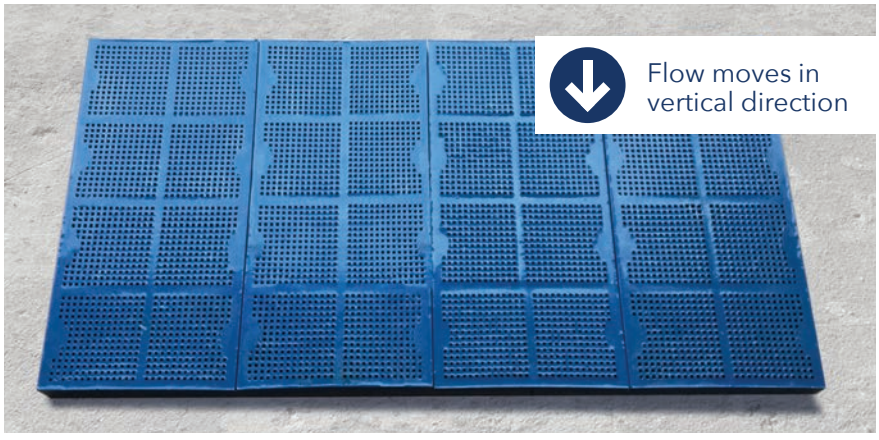


Manufacturer: The Weir Group
Brand Name: Linatex® Snapdeck® 2000
Design Features: MOA design system
Manufacturing Method: Cast
Panel Size: 1′ x 2′
Opening Options: Square and slotted
Opening Range: 1.0mm to 3"
Panel Orientation: 1′ x 2′
Flow Direction: Parallel to longest side
Panel Thicknesses: 30, 40 and 50mm

Additional information on page 07

Installation/Flow Direction





Additional Features

Fastening Design: Two panels meet together along the subframe and attach to the button shaped snap feature. The snap features are located at 3" - 6" - 6" - 3"

Design Details: Excellent holding force design, ideal for heavy duty applications.

Pin-less system allows for higher open area and decreased downtime due to easy panel installation.

Buffalo Wire's subframe uses replaceable screw caps as shown below.

LINATEX® SNAPDECK® CLASSIC/MCLANAHAN® SNAP

* See Application Data Sheet on page 40

Additional information on page 07

Manufacturer: The Weir Group

Brand Name: Linatex®/McLanahan® Type 4

Design Features: Flatdeck system with SOA design.
Stringers can be welded or bolted to the machine
Simple snap-in design, with no anchor accessories.

Manufacturing Method: Cast

Panel Size: 1′ x 2′ and 1′ x 4′

Opening Options: Square and slotted

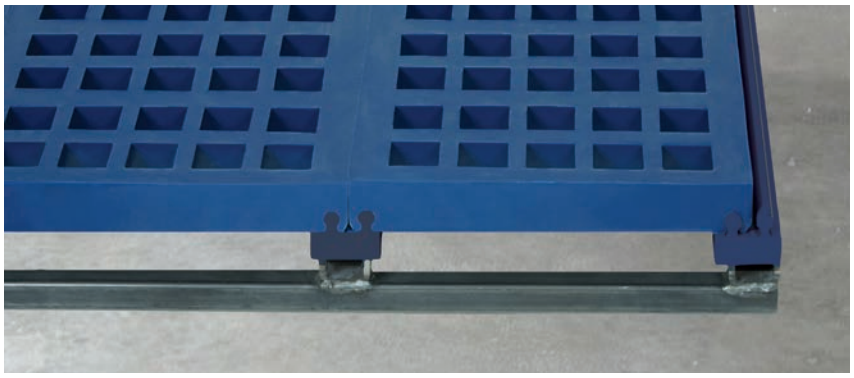
Opening Range: .25mm to 4-1/2"

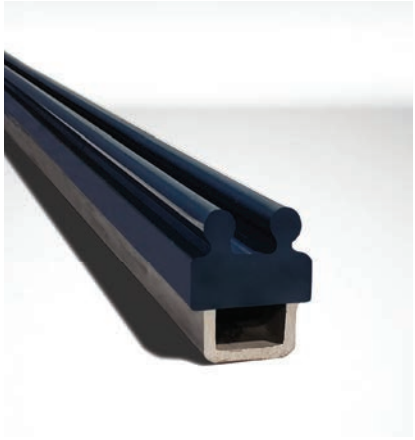
Panel Orientation: 1′ x 2′ and 1′ x 4′

Flow Direction: Parallel to longest side

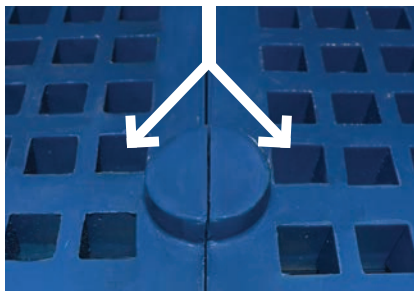
Panel Thicknesses: 40 to 80mm
Standard length 24″ or 48″
Linatex® = Standard width 11-5/8″
McLanahan® = Standard width 12″

Installation/Flow Direction





Material Flow



Panel with Diverters: The primary function of a diverter is to deflect materials into open area of panel

Additional Features

Fastening Design: Two parallel rods running with the flow

Stringer Details: Two 12mm rods, 1″ apart on center rods installed with the flow

MCLANAHAN® TECHLOK

* See Application Data Sheet on page 40

Additional information on page 07

Manufacturer: McLanahan®

Brand Name: Techlok

Design Features: Fits directly into the PipeTop II™ subframe using a different snap anchoring design.
SOA panels with a large locking snap feature; work well in high frequency and dewatering applications.

Manufacturing Method: Cast or injection

Panel Size: 1′ x 1′

Opening Option: Slotted

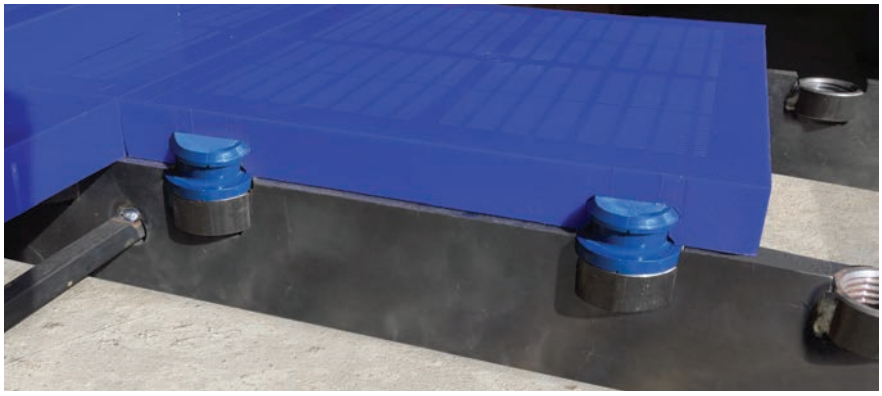
Opening Range: .25mm to 2.5"

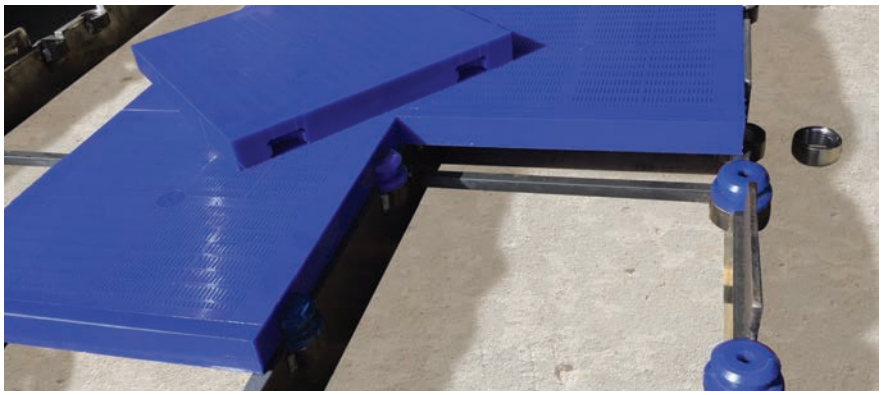
Panel Orientation: 1′ x 1′

Flow Direction: Parallel to fastening side

Panel Thicknesses: 30 or 40mm

Installation/Fastening System

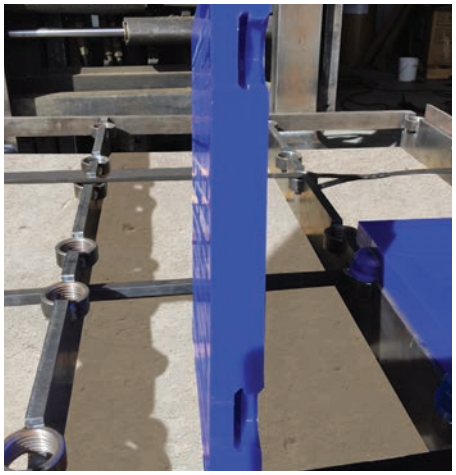




Additional Features

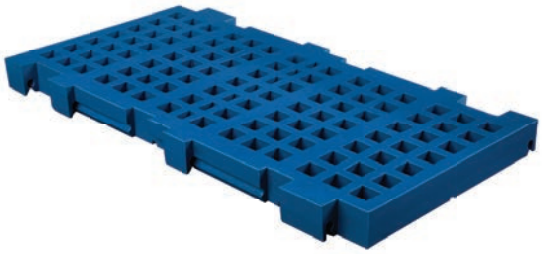
Fastening Design: Two panels meet together along the subframe and attach to the button shaped snap feature. The snap features are located at 2" - 8" - 2"

Stringer Features: This panel works with the PipeTop II™ (MOA) and SOA subframes



METSO® TRELLEX® 300 LS, 305 LS

* See Application Data Sheet on page 41



Manufacturer: Metso®

Brand Name: Trellex® LS

Design Features: Flatdeck mounting with a hold down strip standard border, SOA design

Manufacturing Method: Cast

Panel Size: 1′ x 2′

Opening Options: Square and slotted

Opening Range: .25mm to 4-1/2"

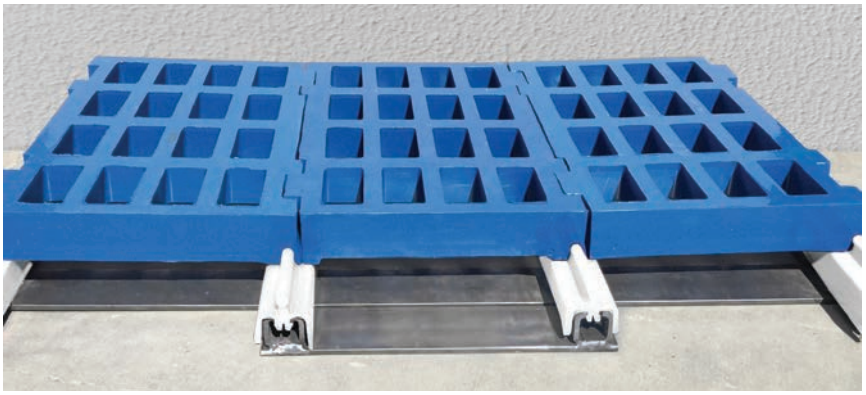
Panel Orientation: 1′ x 2′

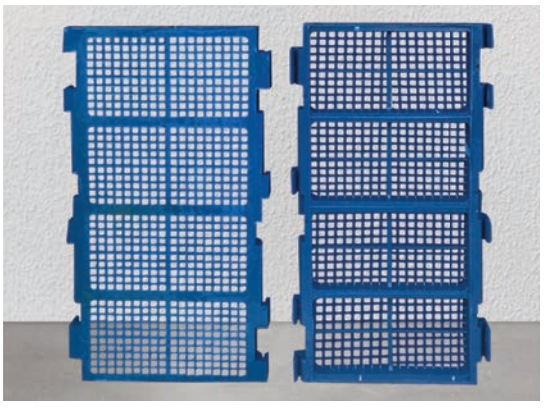
Flow Direction: Parallel to longest side

Panel Thicknesses: 30, 40, 50, 60, 70 and 80mm
LS 300 is 300 x 610mm or 500mm
LS 305 is 305 x 610mm or 500mm
Center, side & half side panels available

Additional information on page 08

Installation/Fastening System





Additional Features

Fastening Design: Two panels meet together along a single rod and fit together like a jigsaw puzzle. The rods are parallel to the longer side and the panels are secured on both sides.

Stringer Details: Urethane hold down strip design snaps into square steel box tubing, parallel to 24" side.

Panel Design: The 300 and 305 dimensions can be difficult to measure. The best way to measure is to put 2 round rods in the snap area and measure center to center between each snap detail (see how to measure section on page 34).

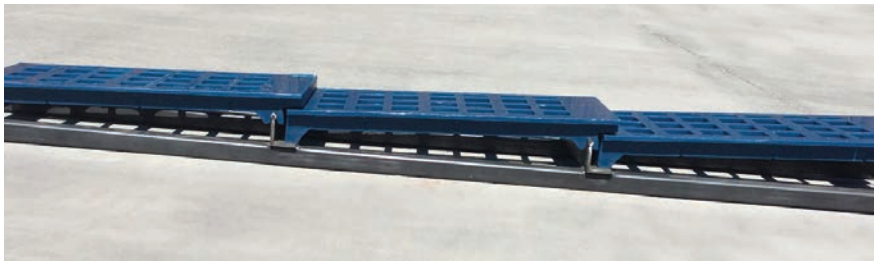
METSO® TRELLEX® TS

* See Application Data Sheet on page 41

Additional information on page 08

Manufacturer: Metso®
Brand Name: Trellex® TS
Design Features: 1′ x 2′ panels with cascade effect to roll rock for better washing
Manufacturing Method: Cast
Panel Size: 1′ x 2′
Opening Options: Square and slotted
Opening Range: .25mm to 4-1/2"
Panel Orientation: 1′ x 2′
Flow Direction: Parallel to longest side
Panel Thicknesses: 30, 40, 50, 60, 70 and 80mm

Installation/Fastening System



Trellex® TS- No lip

Trellex® TS with lip

Additional Features

Fastening Design: Single snap over round rod on the discharge end. The feed end of the panel is held down by the previous panel. Panels with a lip (optional) help hold the panel next to it down. Lips are optional on 30mm thick panels but are mandatory on 40mm thick panels.

Stringer Details: Stringer is welded every 24″ against the flow of the screen.

Panel Design: 30mm TS panels have a measurement of 30mm from the top of the screen surface to the center line of round snap. The heel height is 2.440″.

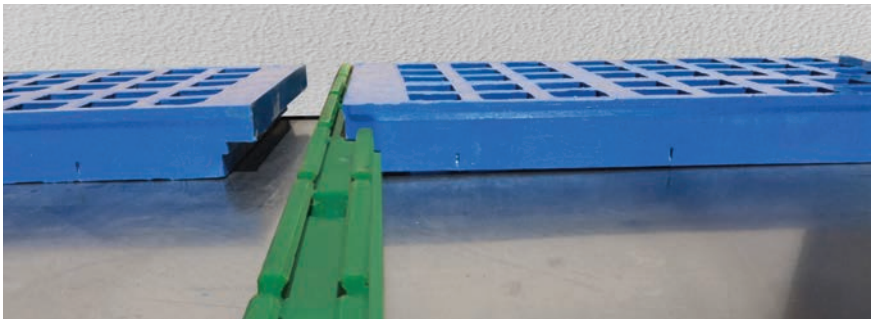
40mm TS panels have a measurement of 40mm from the top of the screen surface to the center line of round snap. The heel height is 2.812″.

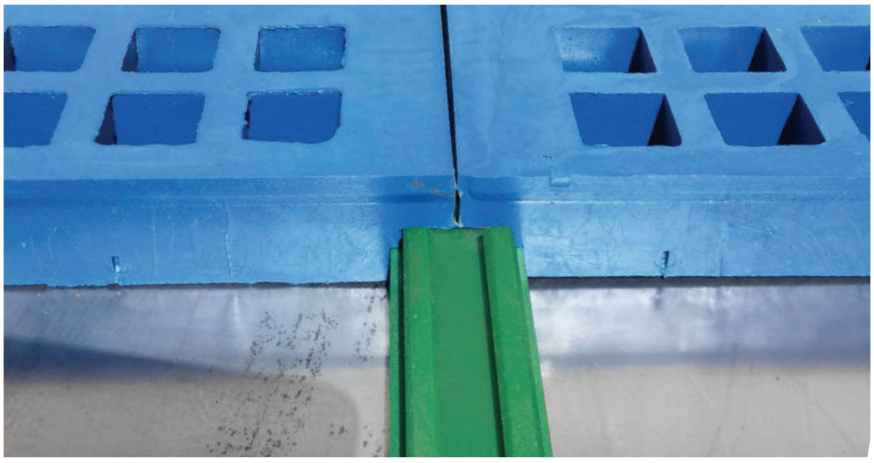
WESTRAIL™

Manufacturer: The Western Group
Brand Name: WestRail™
Design Features: 24" x 12" panels snap into customer rail system
Manufacturing Method: Cast
Panel Size: 24" x 12", 20" x 12", 16" x 12"
Opening Option: Square
Opening Range: .25mm to 2.25"
Panel Orientation: 24" x 12"
Flow Direction: Parallel to shortest side
Panel Thickness: 45mm

Additional information on page 08

Installation/Fastening System





Additional Features

Fastening Design: These panels each attach to a shared stringer with parallel dual snap features. Each panel will snap along the 1" side.

Stringer Details: Bolt down urethane stringer mounted parallel to flow on the deck.

FLAT FRAMED PANELS

Additional information on page 09

Manufacturer: Screening Consultancy & Supplies Ltd.

Commonly found on: Terex® Washing Systems, Powerscreen® Systems and MWS McCloskey Washing Systems®

Design Features: Blank/slab panel drops into tray on deck

Manufacturing Method: Cast

Panel Size: 12-7/16" x 29-7/16" x 1-3/16"
35" x 12-7/16" x 1-3/16"

Opening Options: Square and slotted

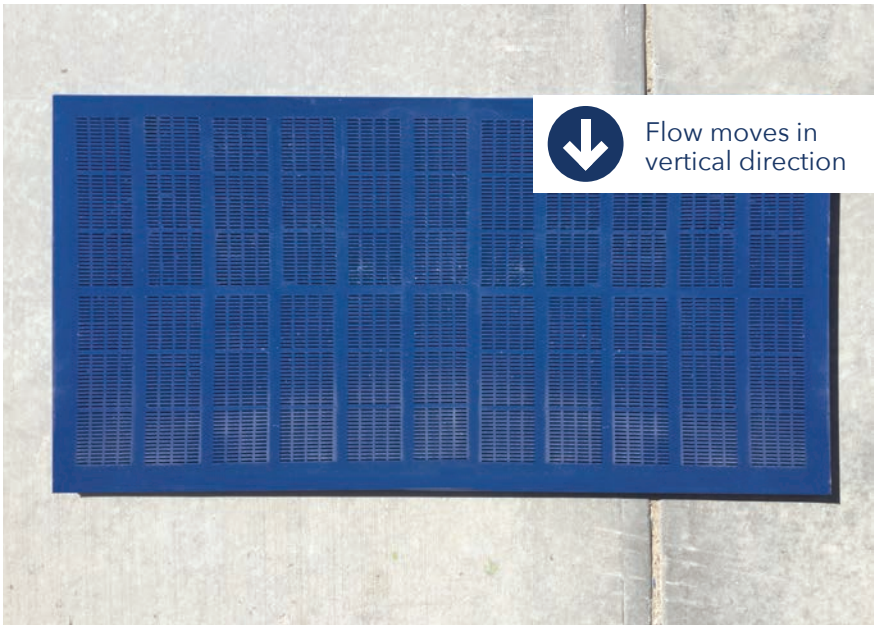
Opening Range: .25mm to 4-1/2"

Panel Orientation: 35" x 12-7/16" long

Flow Direction: Parallel to the shortest side

Panel Thickness: 30mm

Installation/Flow Direction



Additional Features

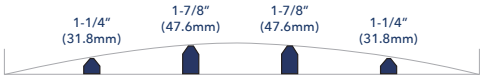
Fastening Design: These framed panels are rigid by design and hold their integrity. Most screens are designed to have two panels per machine and meet at a center hold down. Wider machines may need a third panel and two center hold downs.

These panels are held down to the screen deck subframe with pressure on each side: one on the side liners and a wedge system and another in the center, with a center hold down and a wedge system.

CROWN BAR CONVERTER

Additional information on page 10

ADAPTOR HEIGHTS			
INCHES	MM	INCHES	MM
1	25.4	1-3/4	44.5
1-3/16	30.0	1-7/8	47.6
1-1/4	31.8	2-1/8	54.0
1-11/16	42.9	2-1/4	57.2



5ft. wide machine

Design Features: These parts are designed to change your flat modular screen deck into a side tensioned crowned deck. Available in 8 different heights to allow you to mix and match for an even crown across different screen widths. Pairs best with Buffalo Wire's PFX screens to increase production on overloaded modular screen decks.

6ft. wide machine

7ft. wide machine

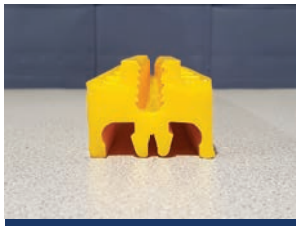
8ft. wide machine

EDGE TRAPPERS

Design Features:

Converts Tema Isenmann WS 85® stringers on flatdeck to wire by pinching it between urethane components. Traps wire screen by the edge. Side edge available with 5mm or 10mm slot, depending on wire diameter.

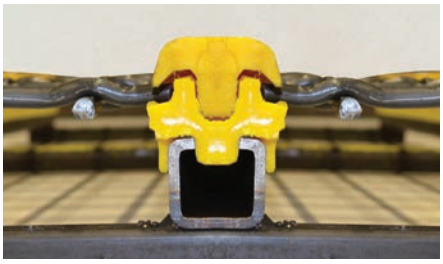
Top



Bottom

Side

Additional information on page 11



Easy and cost efficient option to increase the open area and efficiency of a screen deck. Edge trappers installed with PFX and PFX-HT anti-blinding screens help increase performance. The components of this system can be used multiple times as the screens wear out.

URETHANE CROWN BARS

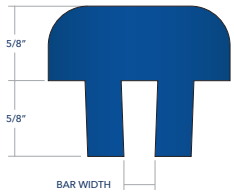
Additional information on page 10

Design Features: Covers crown bars for wire or urethane tension screens.

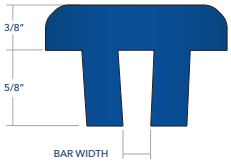
Four different profiles:

1. Flat Top: 5/8", heavy duty and short legged
2. Flat Top: 3/8", heavy duty and short legged
3. Round Top: 1/2", heavy duty and long legged
4. Flat Top: 1/2", heavy duty, cast urethane and long legged

Profile 1

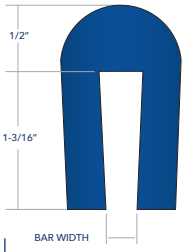


Profile 2

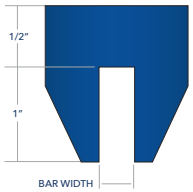


Available in 1/4", 3/8",1/2" and 3/4" wide support bars

Profile 3



Profile 4



Only available in 3/8" wide support bars

SPRAY BAR DEFLECTORS

Additional information on page 11

Spray systems are used to add water to the screening process for either washing materials or dust control. Washing the stone helps stop the fines from attaching to dry materials and carrying over a screen. Spray systems are typically designed to impact the screening surface at 45 degrees and in most cases are positioned against the flow of materials. There are 3 different styles of spray bar deflectors and they should all have a pressure of approximately 40 PSI at the spray nozzles.

Spray Bar Covers

Helps to protect your spray bars from the wear and tear of falling materials. They are easily attached and held in place with hose clamps.

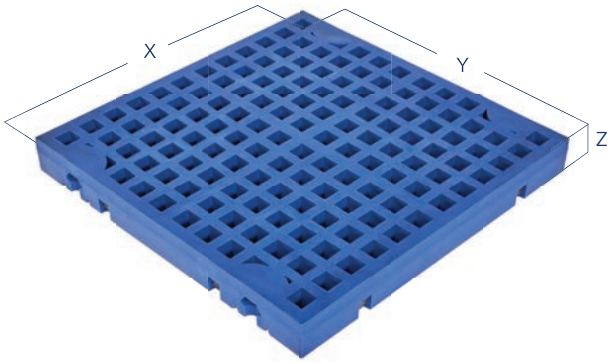
Spray Bar Boots

These parts are designed to keep the water inside of the machine's side plates and prevent it from escaping into nearby walkways and platforms. They are designed to fully cover holes in machine sidewalls, limit material buildup and can be easily installed on water pipes.

Spray Bar Shield

HOW TO MEASURE PANELS

Measuring panels is extremely important to ensure we are making panels to fit your specific screen deck needs. While measuring may seem standard on most panels, there are still some panels where measuring can be more complicated.

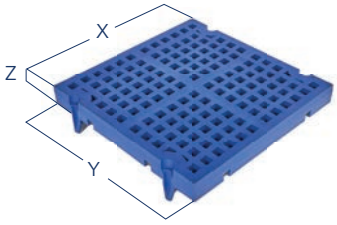


Polydeck® Polysnap® & Polydeck® Pin & Sleeve

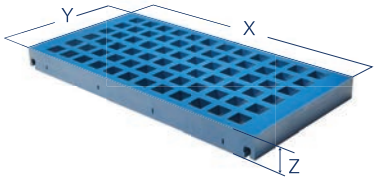
All panels are measured for length, width and thickness. See the diagrams below for the correct place to measure each screen:

X = Width of panel
Y = Length of panel
Z = Build height (BH) or panel thickness needs to be measured where shown on panel

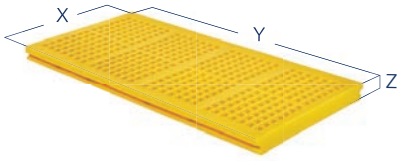
See page 33 for information on how to measure web thickness and depth.



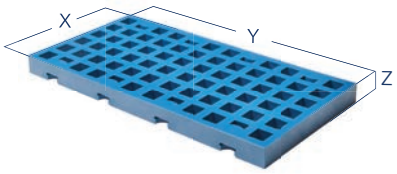
Polydeck® Pin & Leg
(see page 33 for more info)



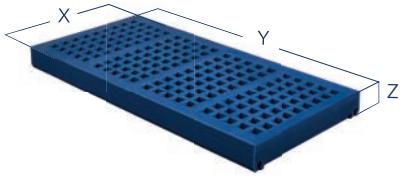
Polydeck® Polyrail™
(see page 33 for more info)



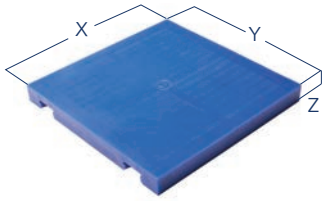
Tema Isenmann WS 85® Center Panel
(see page 34 for more info)



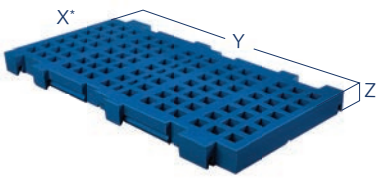
Linatex® Snapdeck® 2000
(see page 33 for more info)



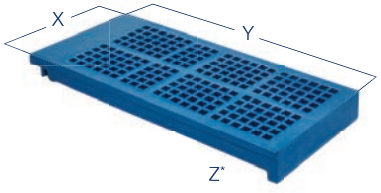
Linatex® Snapdeck® Classic & McLanahan® Snap (see page 33 for more info)



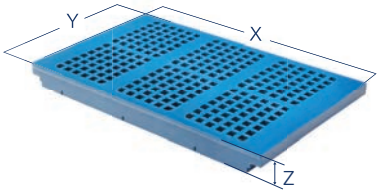
McLanahan® Techlok
(see page 33 for more info)



Metso® Trellex® 300 LS, 305 LS
(*see page 34 for more info)



Metso® Trellex® TS
(*see page 34 for more info)



WestRail™
(see page 33 for more info)

HOW TO MEASURE PANELS

RULES THAT APPLY TO ALL PANELS

Measuring Web Thickness

Measure the web pattern in both the X and Y direction using the outside jaws on a caliper, for accuracy. Do not close the calipers too hard as the urethane has some give.

Figure 1

Figure 2

Measuring Depth

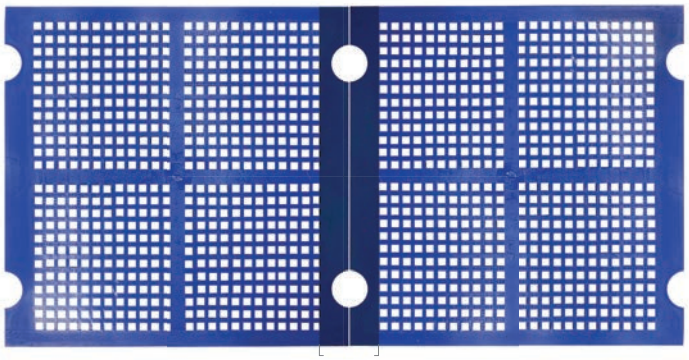
Web depth is measured from the bottom side of the panel to the top. Place the panel on a flat surface with the top side, face down. Open the calipers larger than necessary and insert the depth gauge end of the caliper into an opening in the center of the panel (Figure 1), then push down closing the caliper until it hits the underside of the panel (Figure 2).

RULES THAT APPLY TO POLYDECK® PANELS

Identifying Standard & Maximum Open Area

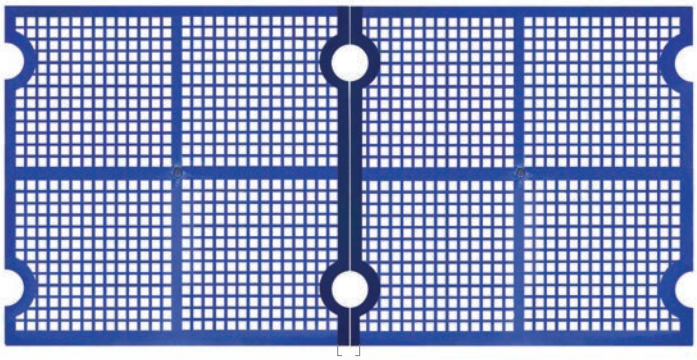
The best place to identify the necessary panel is from the subframe (see below). SOA panels are used on subframes that are 2" wide and MOA panels are used on subframes that are ½" wide. SOA panels have a 1" perimeter from the edge of the panel where it is fastened to the beginning of the openings, while MOA panels have a 3/8" perimeter. Note that MOA panel openings are not in a straight line at the edge of the panel since they bend around the fastening system.

Standard Open Area



Approx. 2"

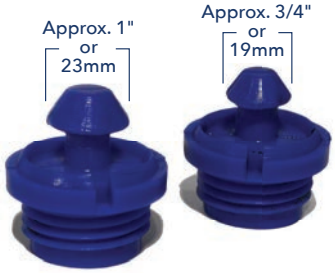
Maximum Open Area



Approx. 1/2"

Determining whether a Polysnap® panel uses small or large screw caps

The small screw cap is typically black with a standard head measuring approximately 19mm across the base head feature. The small black screw cap is typically used on ≤ 30mm BH panels as there is ample frictional force to hold the panel in place in most general applications. The large screw cap is typically red with a large head measuring approximately 23 mm across the base head feature. The large red screw cap is often used on ≥ 40mm BH panels because greater surface area is required. Higher frictional force is needed to hold the panel in place in heavier duty applications.



HOW TO MEASURE PANELS

RULES THAT APPLY TO TEMA PANELS

Center panel thickness (Z) - Measure from either side where there are no holes. The thickness measured here will be the overall thickness of the panel (as shown in Figure 3).

Side panel build height (Z) - The easiest spot to get a consistent measurement is from the bottom of the side wall edge or just inside the knock in bar feature to the top of the panel. These two measurements should be consistent and are 5mm larger than the overall thickness of the panel (as shown in Figure 4).

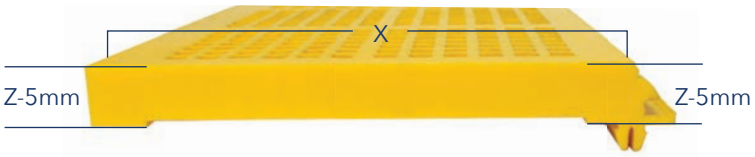
Side panel width (X) - Measure across top of the panel. Ignore the added dimension of the knock in bar feature (as shown in Figure 4).

Dual Durometer - Please note that under visual inspection as shown below there is commonly a slight difference in colors between the two different durometer materials in a dual durometer panel (as shown in Figure 3). You can also easily feel the difference in material hardness when pressing your fingernail into the top and bottom of the panel.

Figure 3

Z can be measured on either side of the panel

Figure 4



Z = measurement minus 5mm
"Z" can be measured on either side of the panel

RULES THAT APPLY TO METSO® PANELS

Metso® Trellex® LS (X)
The most detailed way to get this measurement is from the center of the snap feature to the center of the snap feature. However since this can be hard to measure on the panel, measure across the top of the panel where there is half a groove on both sides of the panel (see Figure 5). The measurement will either be 300 or 305mm (11-13/16" or 12") so please be careful measuring.

Figure 5

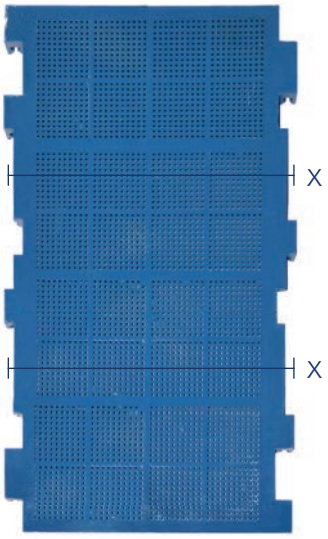


Figure 6

Figure 7

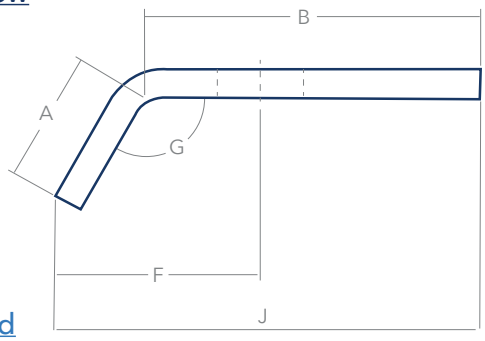
Metso® Trellex® TS (Z)
Measure the panel thickness (see Figure 6) from the center of the round snap feature to the top of the panel. The overall dimension of the panel will either be 30 or 40mm thick. To verify the correct thickness (see Figure 7), the heel measurement of a 30mm thick panel will be 2-7/16" (2.440" on a caliper) and the heel end of a 40mm thick panel will be 2-13/16" (2.812" on a caliper).

TENSION RAILS

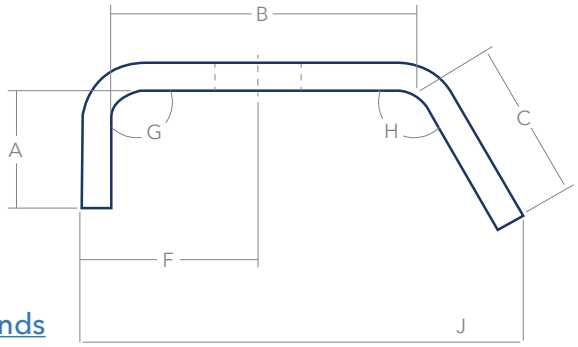
Date: _____ Salesperson: _____

Customer Name: _____ Customer Site: _____

Profile View

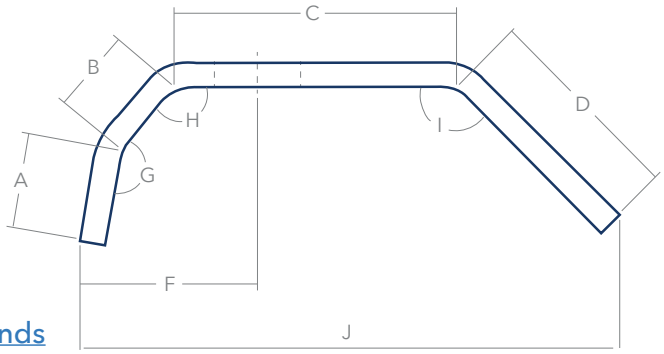


1 Bend



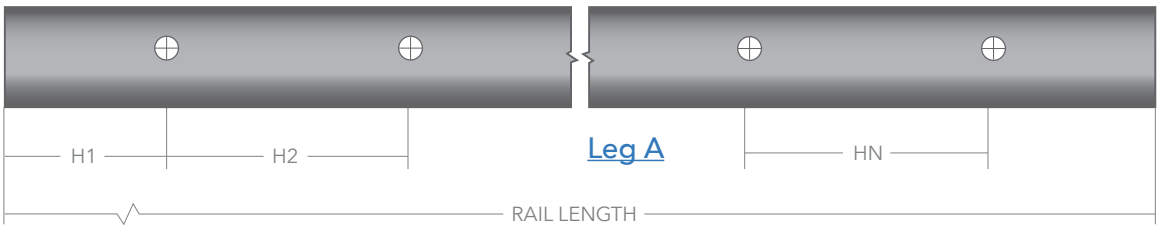
2 Bends

Leg A is installed in screen hook
(left side in all profile view images)



3 Bends

Top View



Leg A

N= Number of holes
Top edge in "Top View" represents leg A that goes in screen hook.
Bends in rail are angled down (into page).

Profile View: A _____ B_____C _____ D_____ F_____G_____ H_____ I_____ J_____

Top View: H1 _____ H2 _____ H3_____ H4_____ H5_____ H6_____ H7_____ H8 _____

Rail Length: _____ Plate Thickness:_____ Hole Size:_____ X _____

Hole Type (s=square, c=circle, r=rectangular, o=oblong): _____

For oblong holes, first number is the dimension perpendicular to length of rail, second number is the dimension parallel to length to rail.

CLASSIFIER SHOES

Date: _____ Salesperson: _____

Customer Name: _____ Customer Site: _____

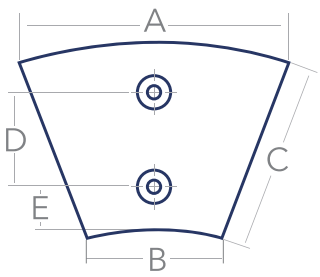
PRODUCT SPECIFICATIONS

Brand: _____ Screw Diameter: _____

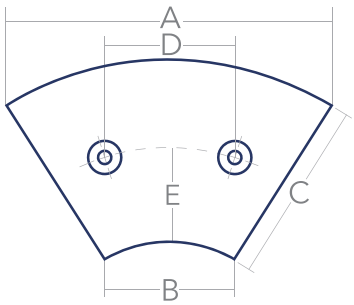
Bolts: ☐ 5/8" Round Bolts ☐ 1/2" Round Bolts ☐ 5/8" Carriage Bolts ☐ 1/2" Carriage Bolts

Style: ☐ 1 ☐ 2 ☐ 3 ☐ 4 Side Profile Style: ☐ 1 ☐ 2

Style 1



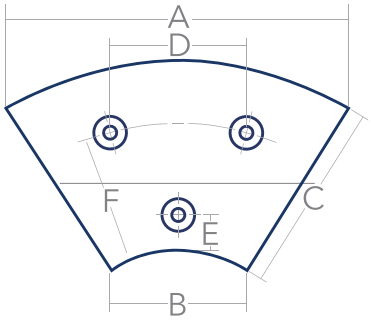
Style 2



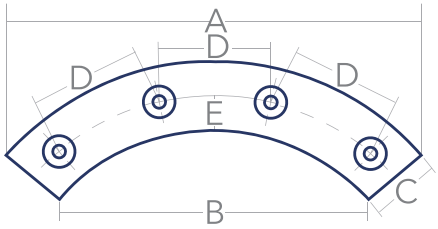
Profile 1

Profile 2

Style 3



Style 4



Dimension A: _____ Dimension B: _____ Dimension C: _____

Dimension D: _____ Dimension E: _____ Dimension F: _____

T1 (thickness 1 at bottom): _____ T2 (thickness 2 at top): _____

Lip Dimension if Applicable: T3 (width): _____ T4 (added thickness): _____

MAGNETIC LINERS

Date: _____ Salesperson: _____

Customer Name: _____ Customer Site: _____

PRODUCT SPECIFICATIONS

Maximum Feed Size: _____ Tons Per Hour: _____ TPH

Impact Angle: _____

A. Zero (0) Degrees = Sliding

B. Ninety (90) Degrees = Direct Impact
i. If > Zero (0) Degrees, What is Drop Height? _____

Liner Being Replaced (Check all that Apply)

- ☐ Steel
- ☐ Urethane
- ☐ Rubber
- ☐ Ceramic
- ☐ Magnetic
- ☐ Bolted
- ☐ Welded

Liner Type (Check all that Apply)

- ☐ Discharge Lip
- ☐ Feed Box
- ☐ Chute
- ☐ Hold Down Liner
- ☐ Bottom
- ☐ Side

Surface Condition (Check all that Apply)

- ☐ Flat
- ☐ New
- ☐ Irregular
- ☐ Rusty
- ☐ Painted

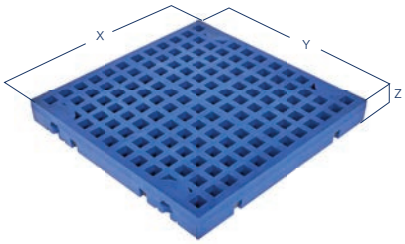
Application: ☐ Dry ☐ Wet ☐ Static ☐ Vibratory

Physical Dimensions: _____ For Simple Shapes: L= _____ W= _____ H= _____

Otherwise sketch below:

Photographs: A. Products B. Surface C. Application Environment

POLYDECK® COMPATIBLE PANELS



Date: _____ Salesperson: _____

Customer Name: _____

Customer Site: _____

NEW PRODUCT SPECIFICATIONS

Attachment Style: ☐ Polysnap® ☐ Large Polysnap® ☐ Pin & Leg ☐ Pin & Sleeve ☐ Polyrail™

Panel Size (X,Y): ☐ 1′ x 1′ ☐ 1′ x 2′ ☐ 2′ x 1′ Other _____

Opening: _____ Build Height (Z): _____ Material: ☐ Urethane ☐ Rubber

Attachment Option (# of pins): ☐ 4 ☐ 6 ☐ 8 ☐ 12 ☐ 18

Opening Shape Type: ☐ Square ☐ Slotted ☐ Zig-Zag ☐ Brick ☐ Round

Web Type: ☐ Standard ☐ Flex ☐ Heavy ☐ Light Other _____

Slot Direction: ☐ With Flow ☐ Against Flow

Options: ☐ Dam ☐ Bevel Angle ☐ Skid Bar Other _____

EXISTING SPECIFICATIONS

Current Annual Usage: _____ Current Panel Life: _____

Current Issues: _____

TECHNICAL INFORMATION

Sample Available: ☐ Yes ☐ No If not, fill out below:

Web Width along X dimension: _____ # Openings along X dimension: _____

Web Width along Y dimension: _____ # Openings along Y dimension: _____

Web Thickness: _____

APPLICATION INFORMATION

Machine Mfg No: _____ Screening Material: _____

Application: ☐ Dry ☐ Wet Spray Bars: ☐ Yes ☐ No

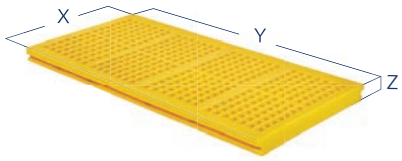
Feed Rate: _____ TPH Avg Running per Week: _____ hrs

Material Feed Size: _____ Drop Height: _____

Working Temperature: ☐ Ambient ☐ >170°F ☐ < 40°F Humidity: _____

Deck Size: Width = _____ Length = _____ Wall to Wall Dimension: _____

TEMA ISENMANN WS 85® COMPATIBLE PANELS



Date: _____ Salesperson: _____

Customer Name: _____

Customer Site: _____

NEW PRODUCT SPECIFICATIONS

Attachment Style: ☐ Center ☐ Side with Knock-in-Bar ☐ Side without Knock-in-Bar

Panel Size (X,Y): ☐ 1′ x 1′ ☐ 1′ x 2′ ☐ 1′ x 4′ Other _____

Exact Width of Side Panel: _____ Opening: _____ Build Height (Z): _____

Material: ☐ Urethane ☐ Rubber Duro Type: ☐ Single ☐ Dual

Opening Shape Type: ☐ Square ☐ Slotted ☐ Zig-Zag ☐ Brick ☐ Round

Web Type: ☐ Standard ☐ Flex ☐ Heavy Other _____

Slot Direction: ☐ With Flow ☐ Against Flow

Options: ☐ Dam ☐ Bevel Angle ☐ Skid Bar Other _____

EXISTING SPECIFICATIONS

Current Annual Usage: _____ Current Panel Life: _____

Current Issues: _____

TECHNICAL INFORMATION

Sample Available: ☐ Yes ☐ No If not, fill out below:

Web Width along X dimension: _____ # Openings along X dimension: _____

Web Width along Y dimension: _____ # Openings along Y dimension: _____

Web Thickness: _____

APPLICATION INFORMATION

Machine Mfg No: _____ Screening Material: _____

Application: ☐ Dry ☐ Wet Spray Bars: ☐ Yes ☐ No

Feed Rate: _____ TPH Avg Running per Week: _____ hrs

Material Feed Size: _____ Drop Height: _____

Working Temperature: ☐ Ambient ☐ >170°F ☐ < 40°F Humidity: _____

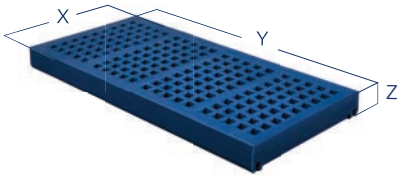
Deck Size: Width = _____ Length = _____ Wall to Wall Dimension: _____

LINATEX® SNAPDECK®/MCLANAHAN® COMPATIBLE PANELS

Date: _____ Salesperson: _____

Customer Name: _____

Customer Site: _____



NEW PRODUCT SPECIFICATIONS

Attachment Style: ☐ Snapdeck® 2000 ☐ Linatex® Snapdeck® Classic/McLanahan® Snap

Panel Size (X,Y): ☐ 1′ x 1′ ☐ 1′ x 2′ ☐ 1′ x 4′ Other _____

Exact Panel Width: ☐ 11-5/8″ ☐ 12″ Opening: _____ Build Height (Z): _____

Material: ☐ Urethane ☐ Rubber Duro Type: ☐ Single ☐ Dual

Opening Shape Type: ☐ Square ☐ Slotted ☐ Zig-Zag ☐ Brick ☐ Round

Web Type: ☐ Standard ☐ Flex ☐ Heavy Other _____

Slot Direction: ☐ With Flow ☐ Against Flow

Options: ☐ Dam ☐ Bevel Angle ☐ Skid Bar Other _____

EXISTING SPECIFICATIONS

Current Annual Usage: _____ Current Panel Life: _____

Current Issues: _____

TECHNICAL INFORMATION

Sample Available: ☐ Yes ☐ No If not, fill out below:

Web Width along X dimension: _____ # Openings along X dimension: _____

Web Width along Y dimension: _____ # Openings along Y dimension: _____

Web Thickness: _____

APPLICATION INFORMATION

Machine Mfg No: _____ Screening Material: _____

Application: ☐ Dry ☐ Wet Spray Bars: ☐ Yes ☐ No

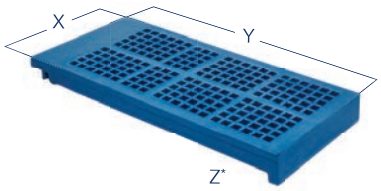
Feed Rate: _____ TPH Avg Running per Week: _____ hrs

Material Feed Size: _____ Drop Height: _____

Working Temperature: ☐ Ambient ☐ >170°F ☐ < 40°F Humidity: _____

Deck Size: Width = _____ Length = _____ Wall to Wall Dimension: _____

METSO® TRELLEX® COMPATIBLE PANELS



Date: _____ Salesperson: _____

Customer Name: _____

Customer Site: _____

NEW PRODUCT SPECIFICATIONS

Attachment Style: ☐ LS ☐ TS

Panel Size: ☐ 305mm x 610mm ☐ 300mm x 500mm Other _____

Opening: _____ Build Height (Z): _____

Material: ☐ Urethane ☐ Rubber Duro Type: ☐ Single ☐ Dual

Opening Shape Type: ☐ Square ☐ Slotted ☐ Zig-Zag ☐ Brick ☐ Round

Web Type: ☐ Standard ☐ Flex ☐ Heavy Other _____

Slot Direction: ☐ With Flow ☐ Against Flow

Options: ☐ Dam ☐ Bevel Angle ☐ Skid Bar Other _____

EXISTING SPECIFICATIONS

Current Annual Usage: _____ Current Panel Life: _____

Current Issues: _____

TECHNICAL INFORMATION

Sample Available: ☐ Yes ☐ No If not, fill out below:

Web Width along X dimension: _____ # Openings along X dimension: _____

Web Width along Y dimension: _____ # Openings along Y dimension: _____

Web Thickness: _____

APPLICATION INFORMATION

Machine Mfg No: _____ Screening Material: _____

Application: ☐ Dry ☐ Wet Spray Bars: ☐ Yes ☐ No

Feed Rate: _____ TPH Avg Running per Week: _____ hrs

Material Feed Size: _____ Drop Height: _____

Working Temperature: ☐ Ambient ☐ >170°F ☐ < 40°F Humidity: _____

Deck Size: Width = _____ Length = _____ Wall to Wall Dimension: _____

DECK CONVERSION

Date: _____ Salesperson: _____

Customer Name: _____ Customer Site: _____

NEW PRODUCT SPECIFICATIONS

Attachment Style: ☐ Pin & Leg ☐ Tema ☐ Linatex® Snapdeck® Classic Other _____

Panel Size (X,Y): ☐ 1′ x 1′ ☐ 1′ x 2′ ☐ 1′ x 4′ Other _____

Opening: _____

Material: ☐ Urethane ☐ Rubber

Opening Shape Type: ☐ Square ☐ Slotted ☐ Zig-Zag ☐ Brick ☐ Round

Web Type: ☐ Standard ☐ Flex ☐ Heavy ☐ Light Other _____

Slot Direction: ☐ With Flow ☐ Against Flow

EXISTING SPECIFICATIONS

Current Annual Usage: _____ Current Panel Life: _____

Current Issues: _____

APPLICATION INFORMATION

Factory or In-Field Installation: ☐ Yes ☐ No

Machine Mfg No: _____ Screening Material: _____

Application: ☐ Dry ☐ Wet Spray Bars: ☐ Yes ☐ No

Feed Rate: _____ TPH Avg Running per Week: _____ hrs

Material Feed Size: _____ Drop Height: _____

Working Temperature: ☐ Ambient ☐ >170°F ☐ < 40°F Humidity: _____

Deck Size: Width = _____ Length = _____ Wall to Wall Dimension: _____

NOTES:

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