

More Throughput, More Production, More Profit

Since 1996, Major Wire's revolutionary Flex-Mat® screen media technology has proven its value in more than 25,000 screening applications worldwide. Customers have experienced significant cost-reducing, revenue-generating results from Flex-Mat 3 Modular in metallic and non-metallic minerals, aggregate, recycle, asphalt, green waste, top soil, fertilizer and other applications.

Proven Benefits Of Flex-Mat® 3 Modular Screen Media

- Increases open area up to 100%
- Increases throughput due to independent vibrating wires
- Precise passing ensures product meets specifications
- Self-cleaning capability virtually eliminates blinding, pegging and clogging
- Can use as full decks or where throughput problems exist

Engineered To Fit Existing Systems

- Matching frame styles for simple installation
- Similar flat surface as polyurethane/rubber panels



FLEX-MAT® 3 MODULAR
HIGH-PERFORMANCE SCREEN MEDIA

FLEX-MAT[®] 3 MODULAR

Flex-Mat[®] 3 Modular's distinctive lime-green polyurethane strips bond individual wires allowing them to vibrate independently at different frequencies. This virtually eliminates blinding, pegging and clogging and creates more screening action while maintaining proper sizing dimensions.

Openings from 30 mesh or 0.0197" (0.5 mm) to 1.575" (40 mm)

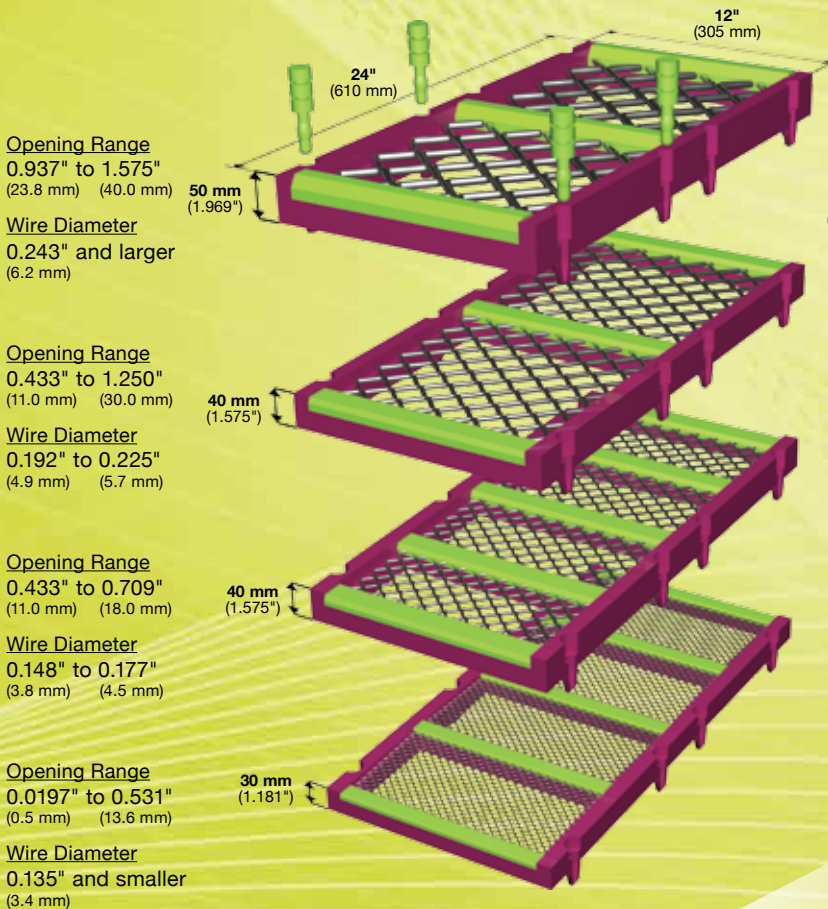
Crown adaptors are available for converting modular panels to crowned tensioned decks

Modular conversion adaptors are available for changing Pin type to Grooved type or other systems

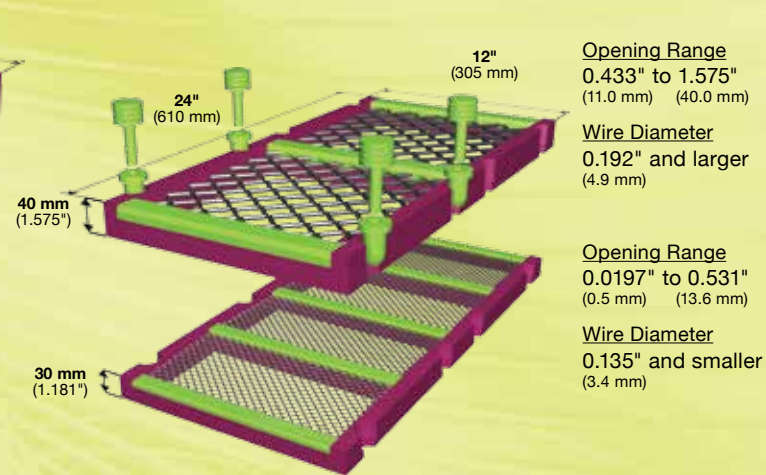
PIN TYPES

Also available in 12" (305 mm) by 12" (305 mm)

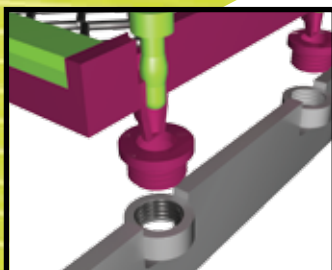
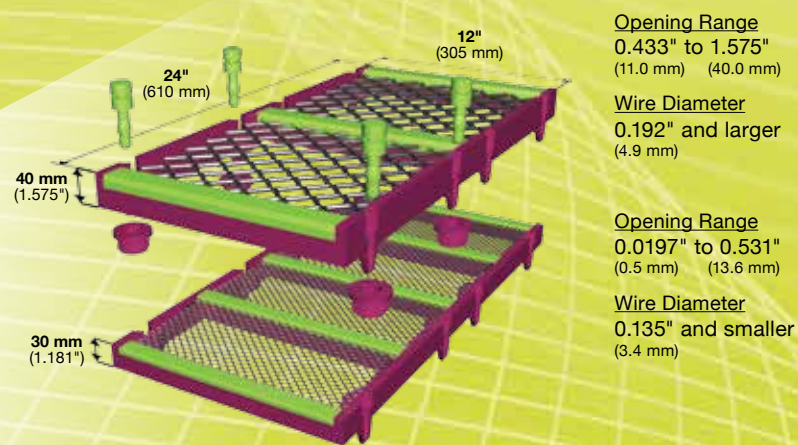
Pin & Leg (23 mm pin head)



Pin & Sleeve (33 mm pin head)



Pin & Leg - MAXI (23 mm pin head)



SNAP TYPES

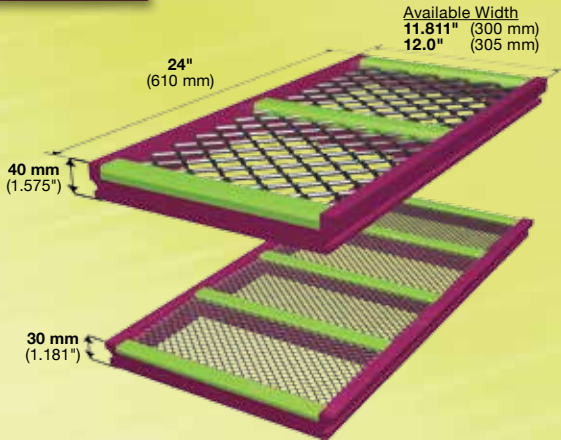
Grooved

Opening Range
0.433" to 1.575"
(11.0 mm) (40.0 mm)

Wire Diameter
0.192" and larger
(4.9 mm)

Opening Range
0.0197" to 0.531"
(0.5 mm) (13.6 mm)

Wire Diameter
0.135" and smaller
(3.4 mm)



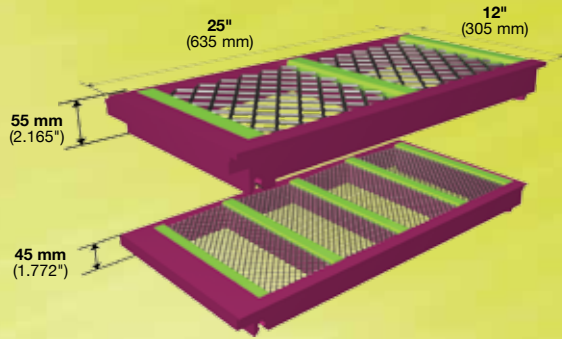
Step

Opening Range
0.433" to 1.575"
(11.0 mm) (40.0 mm)

Wire Diameter
0.192" and larger
(4.9 mm)

Opening Range
0.0197" to 0.531"
(0.5 mm) (13.6 mm)

Wire Diameter
0.135" and smaller
(3.4 mm)



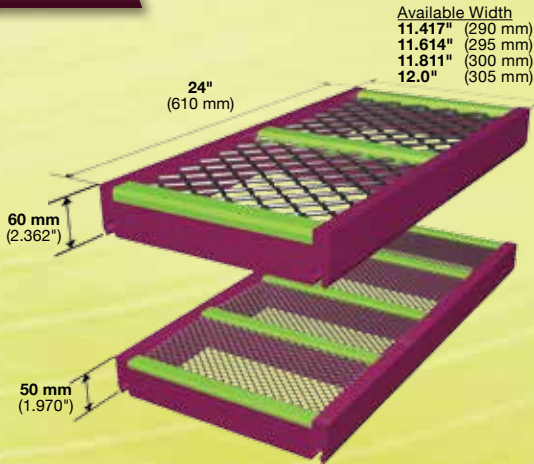
Snap "C"

Opening Range
0.433" to 1.575"
(11.0 mm) (40.0 mm)

Wire Diameter
0.192" and larger
(4.9 mm)

Opening Range
0.0197" to 0.531"
(0.5 mm) (13.6 mm)

Wire Diameter
0.135" and smaller
(3.4 mm)



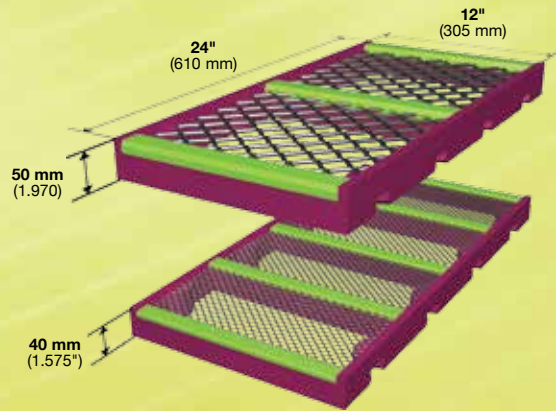
Snap "2K"

Opening Range
0.433" to 1.575"
(11.0 mm) (40.0 mm)

Wire Diameter
0.192" and larger
(4.9 mm)

Opening Range
0.0197" to 0.531"
(0.5 mm) (13.6 mm)

Wire Diameter
0.135" and smaller
(3.4 mm)



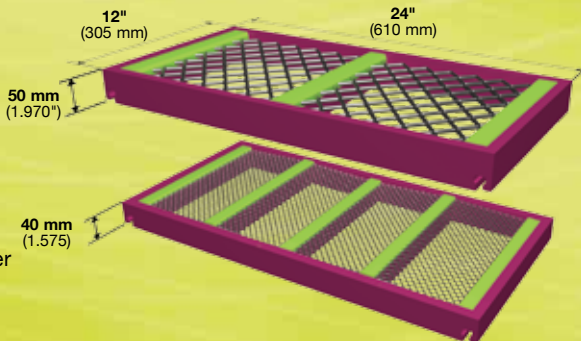
Snap "P"

Opening Range
0.433" to 1.575"
(11.0 mm) (40.0 mm)

Wire Diameter
0.192" and larger
(4.9 mm)

Opening Range
0.0197" to 0.531"
(0.5 mm) (13.6 mm)

Wire Diameter
0.135" and smaller
(3.4 mm)



True Open Area Calculation

Polyurethane or rubber modular panel open area is calculated based on the entire surface area of the panel, providing the "True Open Area"

Do not use "Relative Open Area" which is calculated only on the area where the holes exist and not on the full panel.

Refer to Flex-Mat® 3 Modular Specification Sheet to find out the "True Open Area" per specification and panel type.

To calculate the "True Open Area" of polyurethane or rubber panels, follow this calculation:

$$\frac{(\text{Surface of a hole}) \times (\text{Number of holes})}{\text{Surface of the panel}}$$

(width x length) (per panel) (width x length)

Example:

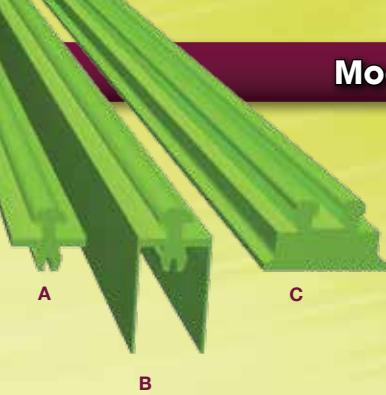
$$\frac{(4 \text{ mm} \times 4 \text{ mm}) \times (2,448 \text{ holes})}{(605 \text{ mm} \times 300 \text{ mm})} =$$

21.6%



Note: If your panel type is not shown, please submit a sample of your current panel, detailed description or photo for evaluation.

Modular Accessories



A Nocking Bar
For Grooved panels

B Nocking Bar With Side Protection
For Grooved panels
For 40 mm x 80 mm support

C Mounting Bar
For Snap "P" panels

D 33 mm pin head
For 40 mm thick panels

E 33 mm pin head
For 30 mm thick panels

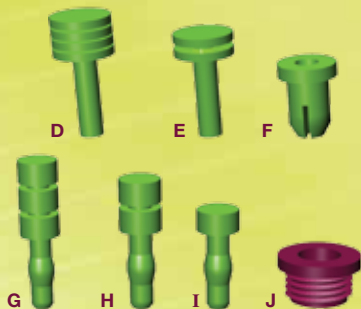
F Sleeve
For 33 mm pin heads

G 23 mm pin head
For 50 mm thick panels

H 23 mm pin head
For 40 mm thick panels

I 23 mm pin head
For 30 mm thick panels

J Threaded Insert
For MAXI panel frames



Modular Series Options

Series / Benefits

Opening Sizes

Series D

Provides precise sizing of passing material in most standard applications

0.059" – 1.575"
(1.5 mm – 40 mm)



Series S

Removes fines, produces a cleaner retained product and reduces blinding of wet and sticky materials

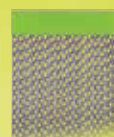
0.059" – 1.575"
(1.5 mm – 40 mm)



Series T

Reduces blinding of very fine materials

0.0197" – 0.055"
(0.5 mm – 1.4 mm)



Greater Open Area

19.9% 25.6%
An Increase Of 28%

Slot: 0.079" x 0.236"
(2 mm x 6 mm)

Series D: 0.79" Opening
(2 mm)

15.2% 29.4%
An Increase Of 93%

Square: 0.157" x 0.157"
(4 mm x 4 mm)

Series D: 0.157" Opening
(4 mm)

30.6% 44.9%
An Increase Of 46%

Slot: 0.5" x 2"
(12.7 mm x 50.8 mm)

Series S: 0.5" Opening
(12.7 mm)

The Difference Is Clear



Before

After

Flex-Mat® 3 Modular also increases throughput by virtually eliminating blinding, pegging and clogging.

25,000+
FLEX-MAT
APPLICATIONS

FLEX-MAT 3

Also Available In Tensioned Panels

Content of this brochure is subject to change without notice.

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MAJOR Innovations When It Comes Down To Your WIRESM

FLEX-MAT 3

OPTIMUM WIRE

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Proven Solutions



TPU Flex-Mat 3 is made with recyclable Thermoplastic Polyurethane.