

**TEMA ISENMANN**

## Saddle Top and T-Bar Rail Systems



Screening Solutions

## Saddle Top and T-Bar Rail Systems

### Saddle Top System

The Saddle Top frame was developed so that the screen panel fastening holes on conventional runners could be replaced instead of replacing the complete runner. Furthermore, some of the existing runner systems do not support the internal frame of the panel, reducing panel life.

#### Pins and Sleeves

All standard types of fastening systems can be used including round pins, H-pins and knock through pins. Round and "H" type Hi-Flow sleeves can be used.

#### Screen Panels

The Saddle Top frame accommodates most conventional polyurethane or rubber 305 mm x 305 mm modular screen panels with either 4 pin or 6 pin fastening systems.

#### Saddle Top

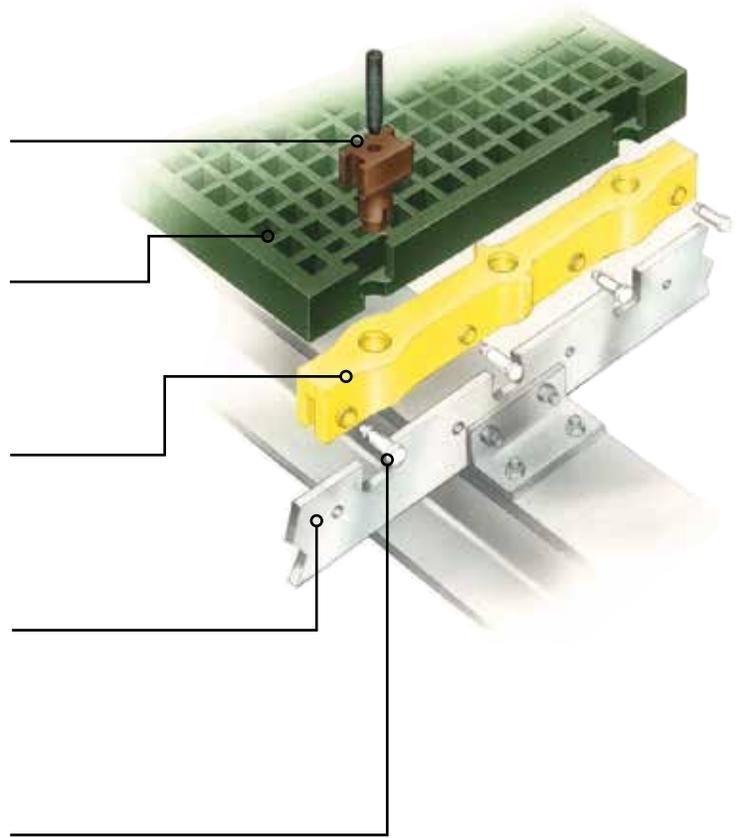
The patented Saddle Top is manufactured from polyurethane and fits onto a flat bar runner that is, in turn, fastened, via cleats, to the cross members of the vibrating screen.

#### Flat Bar Runner

The flat bar runners are laser cut from mild steel for standard applications, 3CR12 for corrosive environments or VRN 500 for abrasive applications. The flat bar runners are manufactured to suit your specific screen length requirements.

#### Snapper Pin

Each Saddle Top is fastened in place by 4 nylon snapper pins.



### T-Bar System

The T-Bar Runners were initially developed for Multotec Hi-Flow modular screen panels. Further development has allowed these runners to be manufactured from mild steel for standard applications, 3CR12 for corrosive environments and VRN 500 for abrasive applications.

T-Bar Runners are used in high impact areas where the polyurethane Saddle Top is not suitable. Combinations of T-Bar Runners on the feed end of the screen and Saddle Tops for the rest of the screen can be used for impact resistance and maximum life.

#### Pins and Sleeves

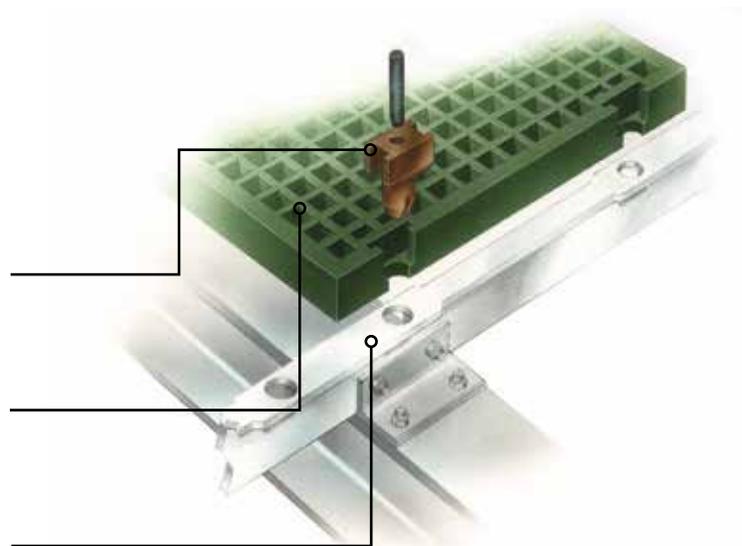
Conventional Multotec round pins and sleeves or H-pin and sleeve systems are available.

#### Screen Panels

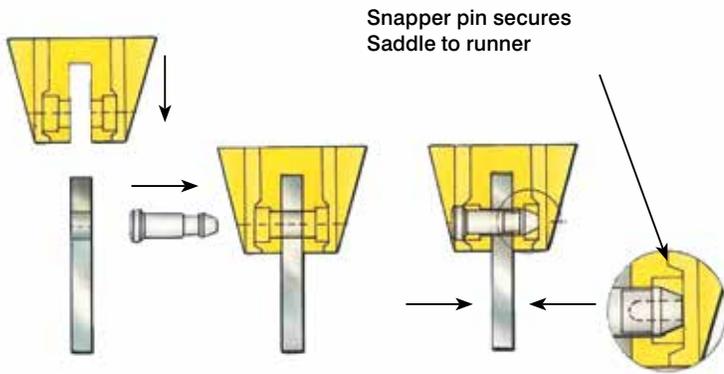
The T-Bar Runners accommodate most conventional polyurethane or rubber 305 mm x 305 mm modular screen panels.

#### T-Bar Runners

Manufactured from laser cut flat bar with horizontal and vertical sections welded together then fastened to the vibrating screen cross members by cleats and bolts or Huckbolts.

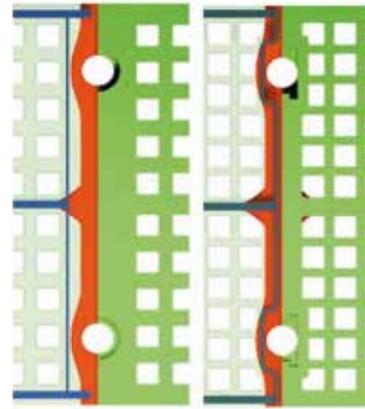


## Saddle Top Installation



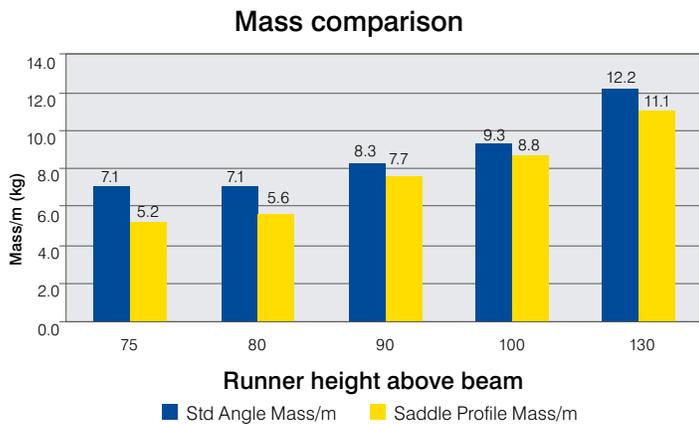
The polyurethane Saddle Top is a replaceable ex-stock item that can be changed in the same time as a modular screen panel.

## Panel Support



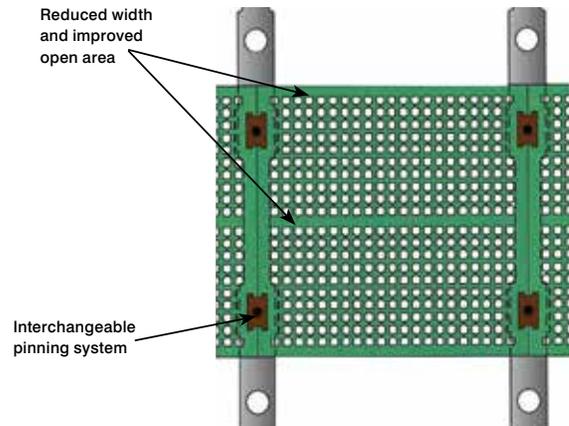
This illustration shows how the Saddle supports the internal frame of the modular screen panel, increasing panel life.

## Standard vs Saddle Top Runner

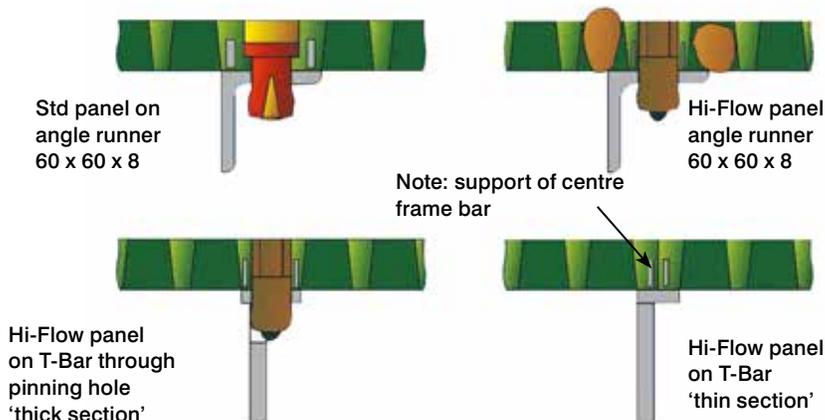


Using Saddle Top frames, the mass of the screen frame reduces, improving the G-Force produced by the screen drive.

## Rail Systems



The benefit of this rail system is that it can be used with conventional and Hi-Flow panels without compromising open area.

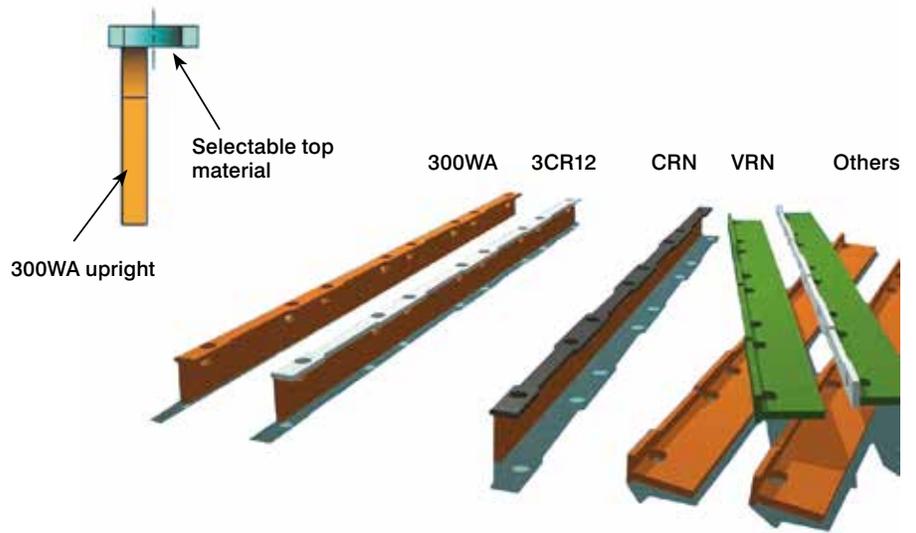


## T-Bar Support System

The T-Bar Rail not only supports the screen panel but the internal frame as well, without interfering with the apertures. Conventional or Hi-Flow panels are accommodated.

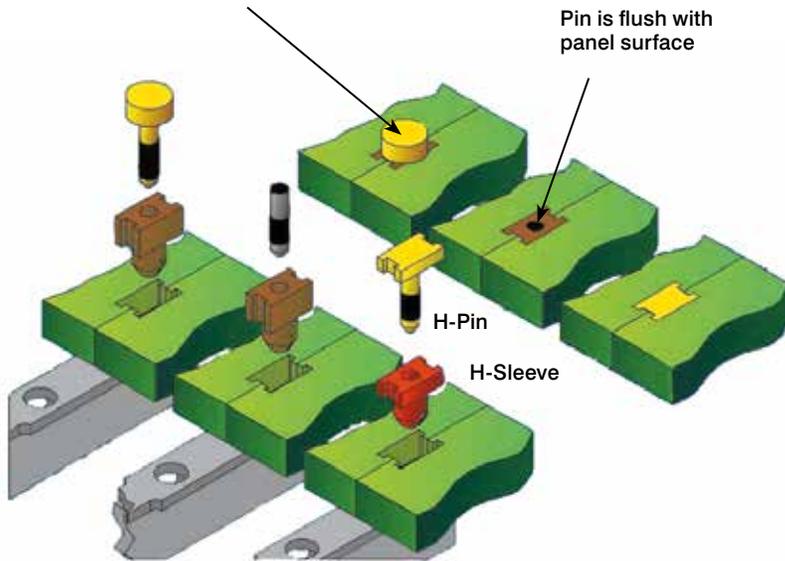
## T-Bar Materials

Different material combinations are available to cater for impact, abrasive and corrosion resistance.



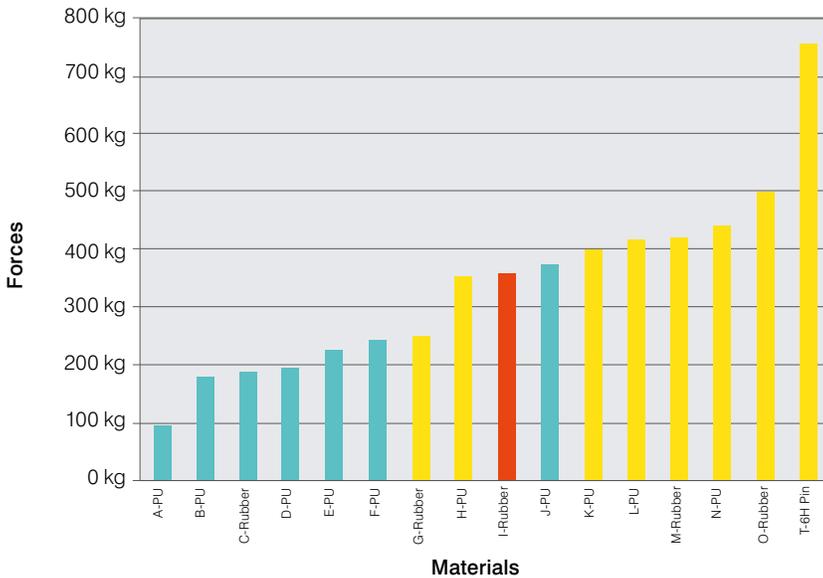
Exposed head acts as deflector

Pin is flush with panel surface



## H-Type Pinning Systems

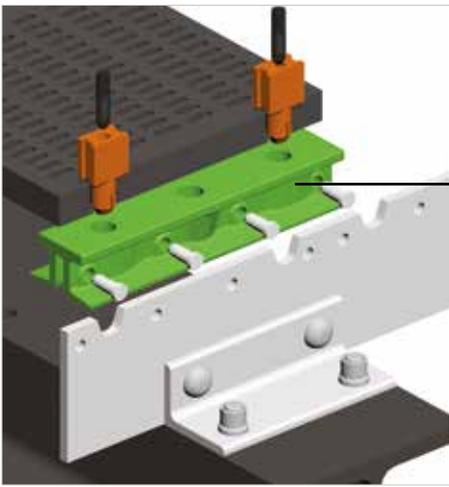
The H-Type pinning system is becoming more and more popular as it can be used on both conventional Multodeck and Hi-Flow panels. It not only fastens the panels to the screen deck, it also locks the panels together, improving panel stability and eliminates gaps between panels.



## Increased Fastening Forces

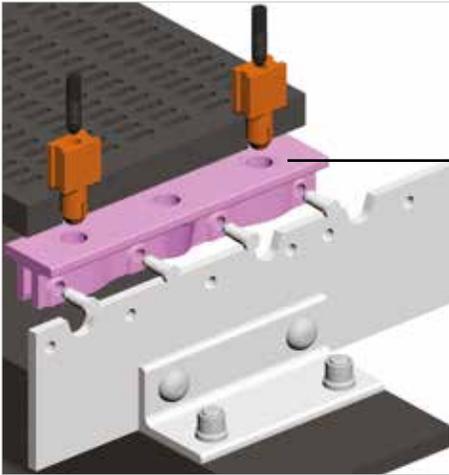
Improved panel fastening forces are achieved, reducing the possibility of panels being dislodged.

- Std pinning system various frames
- H-Pinning system various frames
- Conventional product 6-pin system



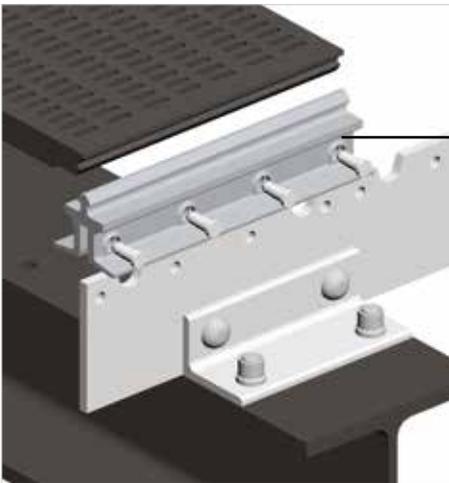
### Heavy Duty with Deflectors

**Applications:** For use where extra panel support is required. Deflectors provide additional protection for the runners.



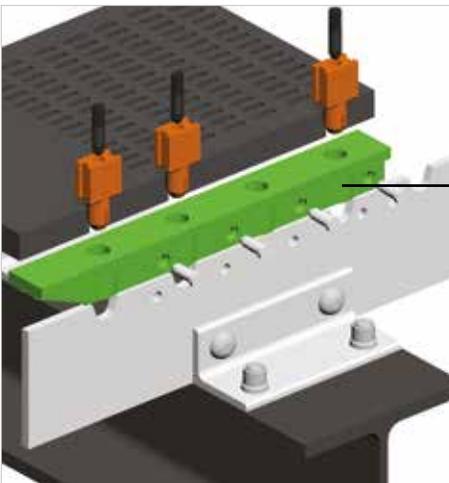
### Heavy Duty

**Applications:** For use where extra panel support is required.



### T-Lok

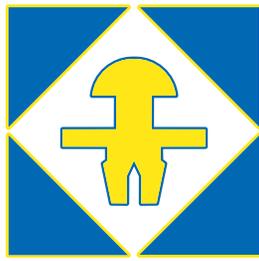
**Applications:** For use with the Multotec T-Lok panel



### 450 mm long Saddle Top

**Application:** For use on screen discharge lips to address misplacement or short-circuiting of material





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