

Urethane OEM Scalping Screens

for MD series shakers

FEATURES

- Choice of two opening sizes, 0.8mm or 2.5 mm
- Small screen size: just 61 x 66 cm
- Patent-pending self-latching feature
- Smooth top surface
- Internal steel reinforcing structure

BENEFITS

- Effective scalping of sticky clay
- Easy to handle and install
- Reduced downtime resulting from easy screen removal
- Does not rust or delaminate

Urethane screens can be used for effectively scalping sticky clay from the top deck of the shaker, reducing the load on the primary decks that can be caused by these formations.

The urethane screens for MD series shakers have narrow slotted openings with a tapered cross section. Two opening sizes are available: 0.8 x 118 mm, which has a similar cutpoint as a 20 mesh market grade screen, and 2.5 x 118 mm, which is similar to an 8 mesh market grade screen. The rectangular openings and tapered cross section of the opening improves blinding resistance over standard square mesh scalping screens.

The smooth top surface of the urethane screens transports gumbo and sticky clay formations off of the scalping deck. On typical scalping screens, gumbo and sticky clay embed into the coarse, single layer of woven wire cloth, preventing good solids conveyance off of the screens. Gumbo can build up in large pats that eventually cause the loss of whole mud off of the shaker. In field tests, the urethane screens proved very effective in handling solids in these formations.

Urethane is used in many industrial applications to resist abrasive wear. Urethane scalping screens fully utilize these wear resistant properties in the abrasive environment of the shale shaker, resulting in a screen that can last several times longer than standard scalping screens.

Each urethane screen has a high strength reinforcing cage that is molded into the screen, efficiently transferring the vibratory energy from the shaker to the screen surface.

Push-and-lock latches are located on the ends of the screens to make screen changes easy without the use of any tools. Urethane screens should only be used in water based drilling fluids. Some oil based fluids can cause the urethane to swell and will shorten screen life.

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