

ASW MILL SLOTTED LINERS

For safe, economical and reliable sand control completions and SAGD applications

The ASW Slotted Liner (sometimes called a standalone screen or scab liner) is a robust and cost-effective solution that provides borehole stability and effective sand control in long horizontal completions and low productivity wells. It is also used in Steam Assisted Gravity Drainage (SAGD) applications for effective downhole steam distribution.

Slotted liners are manufactured with CNC controlled slotting machines, which can produce

a full spectrum of slot designs. Slot widths range from 0.010 in. to 0.250 in. Base pipe diameters range from 1.5 in. up to 18.0 in. Pipe lengths of any size can be slotted.

The slot size and slotting pattern are customized to achieve the required open area based on customer specifications. Multiple-staggered, non-overlapping patterns optimize tensile and torsion strength and increase the open area by two times compared to single cut patterns.

All slotted joints are de-burred, cleaned and drift tested according to API standards. Every slot is visually inspected and cleaned. All threads and couplings are thoroughly cleaned and lubricated.

The size, grade and weight of the base-pipe are per API casing or tubing specification as required based on customers instructions.



Base pipe
provides overall support and strength.

Slots
machined both radially and axially on base pipe by CNC indexing system to the desired width, length and density.

Applications

- Stand-alone sand control applications in well-sorted reservoir sands
- Steam distribution in SAGD wells
- Wellbore support.

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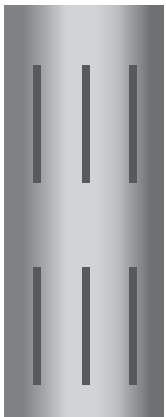
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Advantages

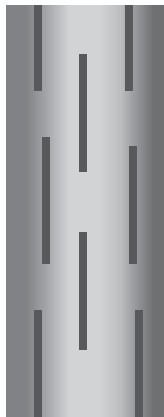
- Custom designed for every well
- Slot widths from 0.010 inch to 0.250 inch
- Slot widths determine characteristics of sand control
- Inflow performance controlled by slot density and convergence flow (not open area)
- Mimics barefoot completion while providing sand control
- Maximizes flow area
- Reduces radial flow resistance
- Proven, economical and reliable completion technique.

Slots	Sizes (in.)	Sizes
Width	0.010 to 0.250	250 μ to 18 mm
Length	1.5 to 3.0	38 mm to 76 mm

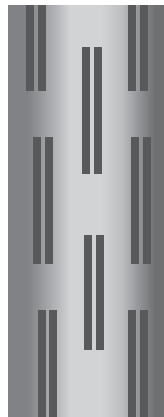
Slotting patterns



Line slot pattern

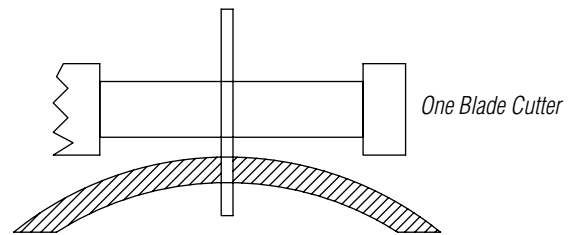


Staggered slot pattern

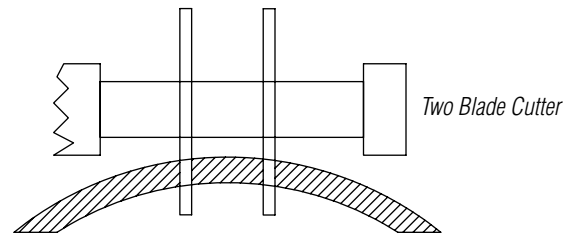


Multiple staggered slot pattern

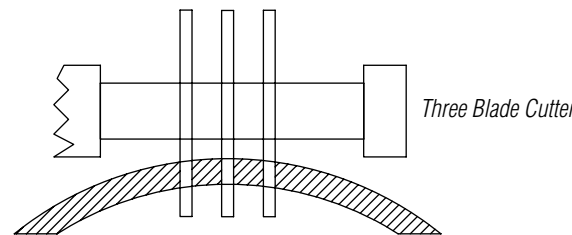
Cutter setup for various slot patterns



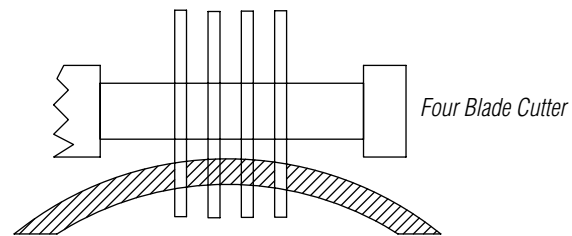
One Blade Cutter



Two Blade Cutter



Three Blade Cutter



Four Blade Cutter

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18102 East Hardy Road
Houston, Texas 77073 USA
Phone: 281.233.0214
Toll-free: 800.577.5068
Fax: 281.233.0487
Email: info@alloyscreenworks.com
www.alloyscreenworks.com

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