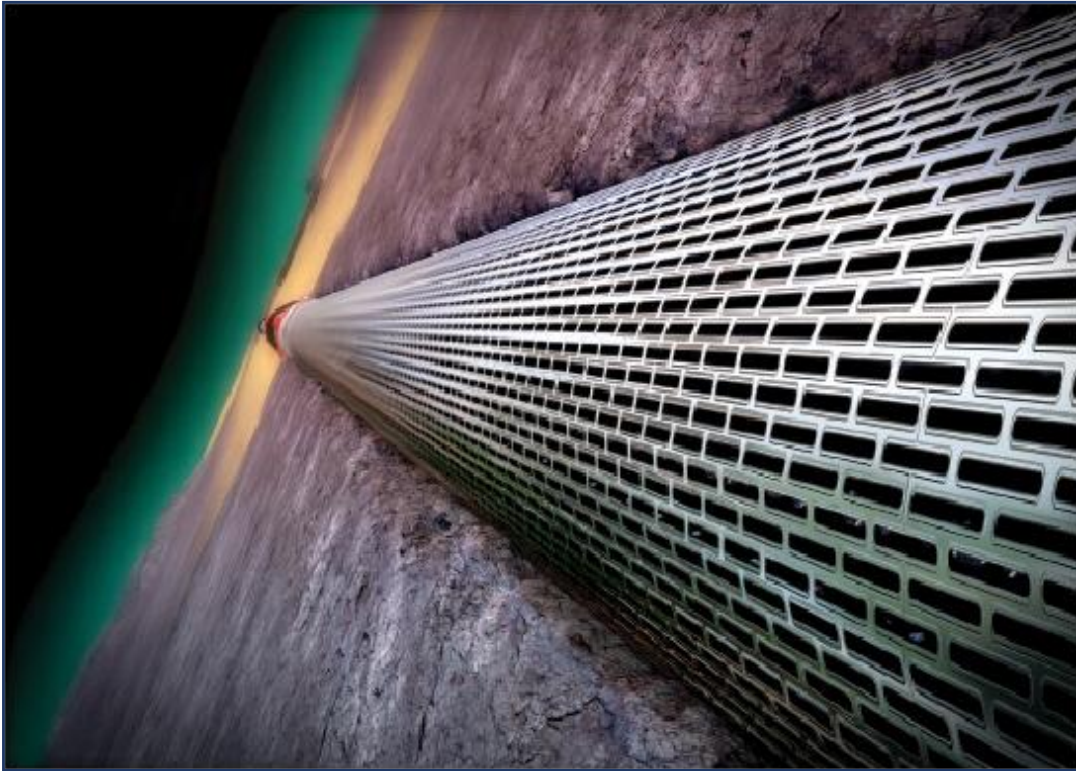


HAILONG ENERGY SERVICE LTD

Email: garth@hailonges.com | Cell: +1 403-801-4461 | www.hailonges.com



HAILONG ENERGY SERVICE LTD

Sand Control Screen Products

Email: garth@hailonges.com

Cell: +1 403-801-4461

www.hailonges.com



Direct Wrap Screen

INTRODUCTION

Hailong Energy Service supplies direct wire-wrapped screens made with a wire jacket shrink-wrapped directly to the base pipe. Screen components are welded to each other, but there is no welding between the screen and the base pipe. This allows the screen and base pipe to act as a single unit, ensuring that the tension, compression, and torque ratings of the screen are nearly identical to those of the base pipe. Base pipe perforations are designed to optimize flow while retaining strength.

FEATURES

- Robust design that minimizes the risk of screen damage while running in hole.
- Consistent, accurate slot size with a variety of wrap-wire profiles available.
- Suitable for running through high dog-leg sections while maintaining sand-control performance.
- Can be installed with conventional casing-handling equipment.





PMC Premium Screen

INTRODUCTION

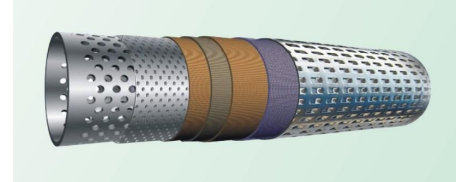
PMC® premium screen consists primarily of a perforated base pipe and a filter jacket. The jacket consists of an inner shroud, inner drainage mesh, inner mesh media, middle drainage mesh, outer mesh media, and an external stainless steel shroud.

The inner drainage mesh, wrapped around the inner shroud, provides even flow distribution and also supports the filter media.

The inner and outer mesh media are designed to meet sand-control requirements for different sand grain diameters.

The middle drainage mesh separates the two layers of filter media, ensuring filtering accuracy.

The stainless steel shroud protects the media layers and drainage mesh as the screen is run into the well.



FEATURES

- Multi-layer 316L stainless steel filter media provides a robust filtration membrane.
- High permeability and large overall flow area to handle high production rates.
- Small outer diameter and light weight make it easy to push along long horizontal sections.
- The field-proven vector shroud design diverts flow during production, increasing the screen's longevity by minimizing erosional effects from formation material.
- Resists plugging and erosion, ensuring a long productive life.
- Simple construction lowers manufacturing costs, making it a very cost-effective product.

SPECIFICATIONS

API Base Pipe		Screen ID (in)	Screen OD (in)	Screen Weight (lb/ft)	Maximum Tensile Load (lbs)	Maximum Torsional Load (ft-lb)
Size (in)	Weight (lb/ft)					
4-1/2	12.6	3.958	5.354	16.7	288,428	12,000
5	15.0	4.409	5.866	20.0	349,865	16,200
5-1/2	17	4.894	6.378	23.3	396,831	20,500
6-5/8	24	5.921	7.480	30.0	554,786	34,900
7	26	6.275	7.874	33.3	603,752	44,880

Other sizes available; please contact us for details.



PPS Screen Jacket

FEATURES

Accurately controlled width: The width of the precision-punched slot screen is accurately controlled within 0.20-1.00 mm, with an accuracy of ± 0.05 mm.

Excellent corrosion resistance: The PPS screen jacket is made of high-quality stainless steel that resists corrosion from acids, alkalis, and salt, and can meet the special requirements of wells containing H₂S and CO₂.

Excellent body strength and anti-deformation ability: The PPS screen's structure gives it excellent body strength and resistance to deformation. Because the filtration jacket is supported by the base pipe, the strength of the perforated pipe is reduced by only 2-3% compared with API casing or tubing.

High-density slots, low flow resistance: Flow resistance is lower because the flow area of the PPS screen is two to three times greater than that of a slotted liner, making it the ideal screen for high-rate production.



SPECIFICATIONS

Slot opening: 200, 300, or 400 microns. Tolerance: 100% of slots ± 0.05 mm

Slot length: 16.5 mm ± 0.5 mm / 9 mm ± 0.5 mm

Sheet metal thickness: 1.9 mm ± 0.1 mm

Material: 304L SS, 316L SS

Shroud overall length: 9.0 m or 4.5 m. Tolerance: ± 10 mm

Open flow area: 3.30% for 200 microns, 4.95% for 300 microns, 6.59% for 400 microns

Sizes available: 3.5 in, 4.5 in, 5.5 in, 6-5/8 in, 7 in, 8-5/8 in



Prepack Screen

INTRODUCTION

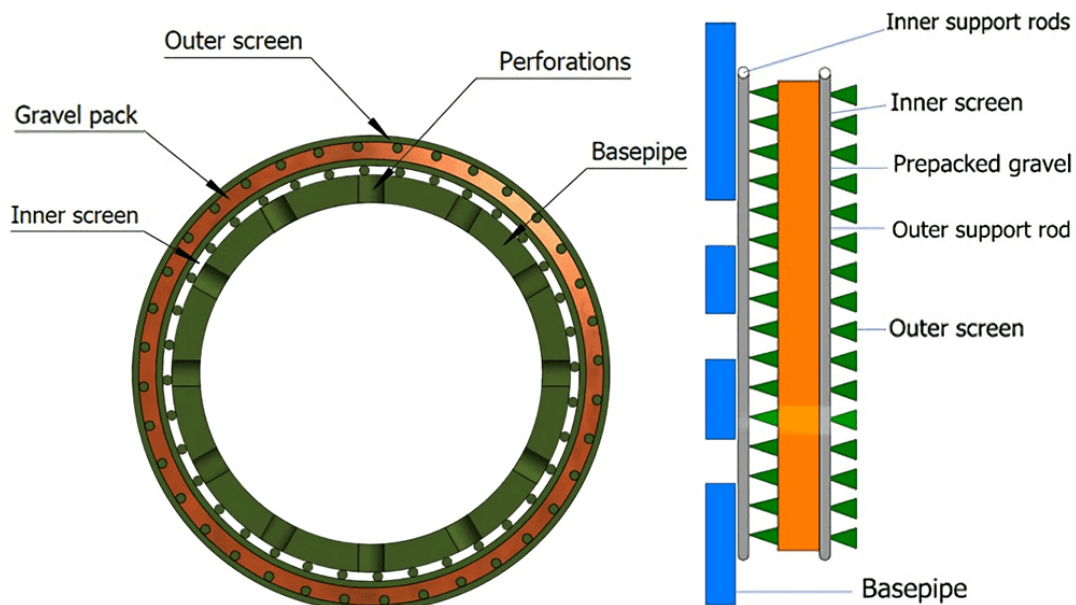
Prepack screen is considered one of the premium screen types. Gravel, which may be resin-coated, is placed in the annulus between the inner and outer screen jackets. The gravel is selected based on the client's sand sample analysis and is packed tightly using a vibration-packing system that ensures proper compactness. It can be used as an alternative to gravel packing in applications where a conventional gravel pack is economically undesirable or not feasible.

Prepacked screens help ensure sand-control integrity by providing extra protection against erosional forces and voids during production.

The standard inner and outer jackets are normally wire-wrapped screens; however, other jacket types, such as precision-punched jackets, are also available.

FEATURES

- High sand-retention efficiency.
- Can be used as a standalone screen.
- High porosity and large open flow area.
- Good erosion protection.
- Simple, rapid installation.
- Customization available to meet any well application.





Premium Disk Screen



INTRODUCTION

The disk screen uses single-wall seamless pipe, tubing, or casing as the screen base pipe. Perforated holes are evenly distributed on the base pipe, into which filter cartridges are installed using a proprietary method that has been successfully tested and proven to work in the most challenging downhole environments. The entire screen joint remains flush.

The disks are 0.75-inch-diameter, 316L stainless steel, fusion-bonded mesh laminates that provide very good erosion and corrosion resistance.

FEATURES

- Its structure is similar to casing or tubing, with no welding, lighter weight, and high strength.
- The filter cartridges are evenly installed on the base pipe, providing reliable protection against damage while running in hole.
- Its evenly distributed filter-hole structure eliminates the need for long blank pipe sections.
- Lighter weight and easy running-in-hole allow favorable sand-control performance in vertical, directional, high-angle, horizontal, side-tracked, and multilateral wells.
- Low flow friction, high permeability, low pressure loss, and high erosion resistance.
- Uniformly or non-uniformly distributed filter cartridges on the base pipe help enhance overall production along the horizontal section.
- Reasonable price, reliable lead times, and low development cost.
- Excellent tensile, compressive, torsional, and collapse strength, while maintaining a large open flow area (OFA).



Slotted Liner

INTRODUCTION

Slotted liner is a robust and effective sand-control solution for horizontal completions in SAGD and other thermal heavy-oil recovery applications. Its excellent ability to withstand installation and operational loads makes it a premier choice for SAGD.

Slotted liners are available in two categories: laser-cut slotted liner and blade-cut slotted liner.

Slotted liner geometry consists of slot length, slot width, slot density, and slot distribution. All of these parameters can be customized to achieve the required open area. For example, a multiple staggered pattern significantly increases the open area compared with a single-cut pattern.

FEATURES

- Cost-effective sand-control solution.
- Flush OD.
- Customizable slot pattern.

SPECIFICATIONS

Slot size: 0.2 mm to 2 mm

