

WeldSlot PP

Slip-on wire-wrapped prepacked screen

APPLICATIONS

- Cased-hole and openhole gravel packs
- Cased-hole frac packs
- Cased-hole and openhole stand-alone screens
- High-rate water packs
- Oil and gas applications

ADVANTAGES

- Long life in harsh production environments
- Simple, rapid installation

FEATURES

- High sand retention efficiency
- Welding process and rigorous quality control for greater strength
- Availability with ceramic or resin-coated gravel
- Keystone-shaped wire wrap that allows self-cleaning action for greater flow and less chance of clogging
- Welding at each point of contact with the rod wire to prevent separation when pulled or bird-nesting when milled
- Full customization to meet any well application

WeldSlot PP* slip-on wire-wrapped prepacked screens provide robust sand control in oil and gas applications. They can be used in non-gravel-packed wells, but their traditional use has been in long, horizontal openhole wells and cased holes that are difficult to completely gravel pack. Prepacked screens help ensure sand control integrity beyond the gravel-pack process by providing extra protection against erosional forces and voids during production.

Screen construction

WeldSlot PP screen construction allows fluid to travel through prepacked gravel and then move laterally and radially unimpeded around the basepipe to the nearest perforation.

The screen is prepacked with graded sand sized to filter reservoir particulates. This sand forms a 0.22-in-thick gravel pack.

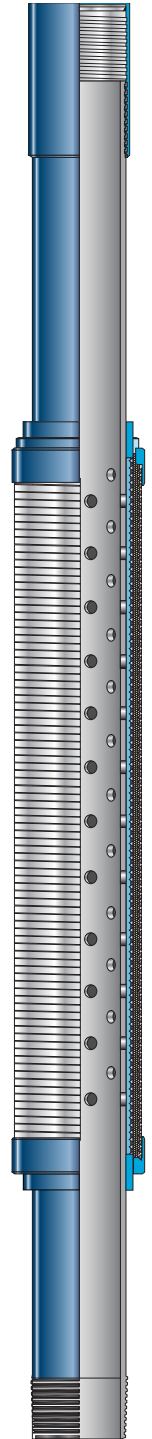
Inner and outer wire-wrapped jackets, sized to retain the graded sand, provide extra support and redundant sand control. They are made of 90 wire welded to longitudinal ribs for robustness and durability. Each point of contact is welded with rod wire to prevent separation when pulled. The standard wire is made of 316L stainless steel; other materials are also available. The jackets are available in a variety of widths and heights.

Quality control

The Schlumberger screen manufacturing process and rigorous quality control standards ensure the highest quality product and maximum screen strength, sand retention, and erosion resistance. Custom-engineered screen fabricating machines ensure precise tolerances, and quality control procedures ensure adherence to API specifications.

Customization options

Correct screen selection is a critical step in successfully completing a well. Schlumberger technical staff will help match the appropriate WeldSlot PP screen to the application or recommend customizing the screen to meet a particular well application. Schlumberger's extensive manufacturing capabilities enable quick responses to custom orders anywhere in the world.



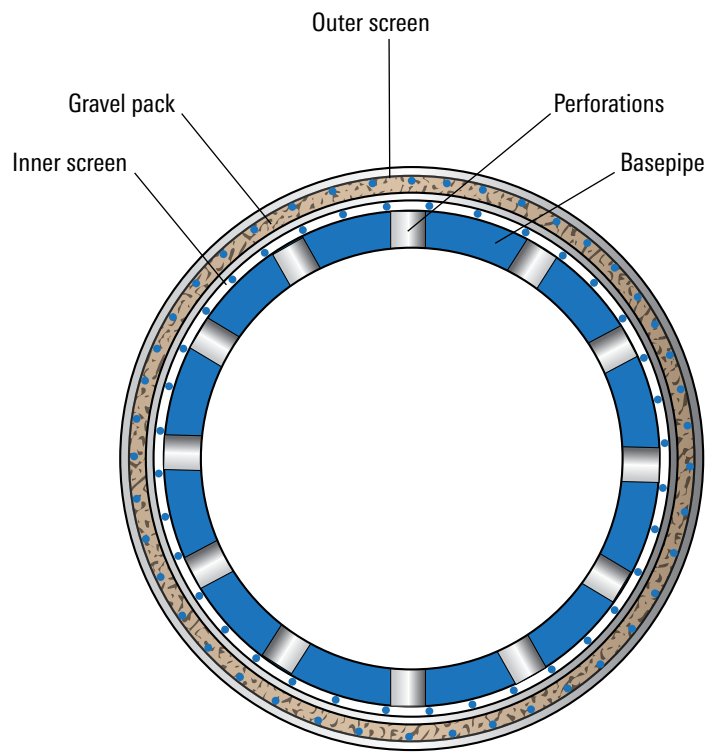
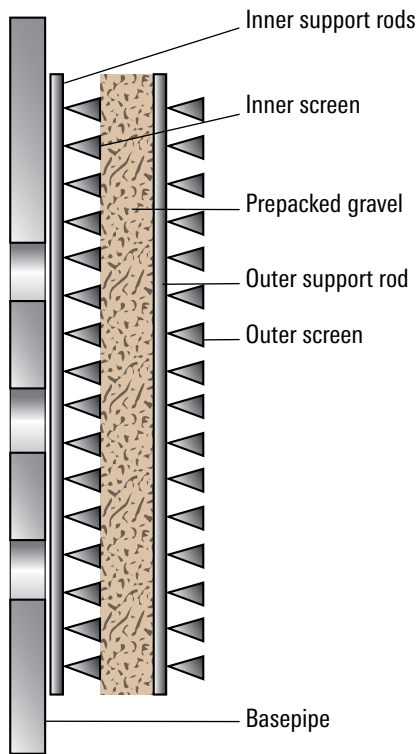
WeldSlot PP slip-on wire-wrapped prepacked screen.

WeldSlot PP

WeldSlot PP Screen Specifications

Basepipe Size, in	Basepipe Weight, lbm/ft	Annulus (Profile Wire Centralizer), in	Min. Basepipe ID, in	Pack Dimension, in	Max. Screen OD, in	Max. Assembly OD, in	Number of Perforation Holes per ft	Max. Tensile Rating (L-80), lbf	Max. Torque Rating (L-80), [†] lbf.ft	Max. Collapse Rating, psi	Max. Burst Rating, psi
2.375	4.6	0.115	1.995	0.22	3.28	3.42	48	64,549	2,720	11,671.00	3,900
2.875	6.4	0.170	2.441	0.22	3.91	4.05	48	90,863	4,678	10,582.00	3,300
3.500	9.2	0.105	2.992	0.22	4.41	4.55	48	132,350	8,342	9,041.00	2,700
4.000	9.5	0.115	3.428	0.22	4.93	5.07	48	182,485	13,180	8,567.10	2,400
4.500	12.6	0.103	3.958	0.22	5.43	5.57	48	201,851	17,077	7,095.72	2,100
5.000	15.0	0.090	4.408	0.22	5.90	6.04	48	243,489	22,529	6,447.28	1,900
5.500	17.0	0.105	4.892	0.22	6.40	6.54	56	277,349	27,974	6,663.04	1,700
6.625	24.0	0.105	5.920	0.22	7.51	7.65	60	392,049	48,657	6,516.88	1,400
7.000	29.0	0.105	6.276	0.22	7.89	8.03	66	371,569	49,492	6,915.92	1,300

[†] Torque value based on perforated basepipe.
Note: ISO certifications are available on request.



WeldSlot PP sand screen construction.

slb.com/sandscreens