



For productive, sand-free oil and gas well completions

# Precision Pipe Base Well Screens

- **Proven keystone profile wire construction for self-cleaning reliability**
- **Efficient design assures maximum flows**
- **Stainless steel for longest life**
- **Precise welds at every rod/wrap contact point for strength and close tolerance**

Recognized as a leader in petroleum production technology for over 15 years, Stren offers precision well screens, the cost effective and efficient solution for maintaining maximum flows. Stren screens increase well productivity and lengthen pump life.

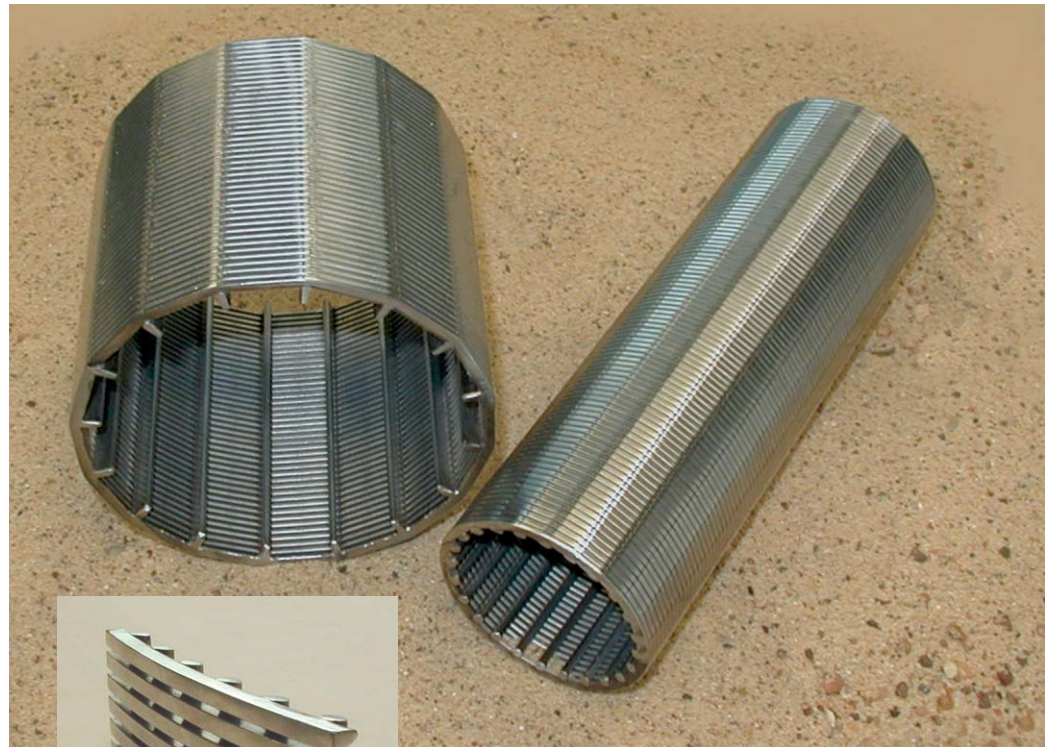
Stren screens use trapezoidal, or wedge shaped radial wire, welded to longitudinal rods, forming a one-piece screen with strength and high open flow area.

The keystone profile wire wraps are resistance welded at every contact point with the strengthening rods that help maintain precise slot openings. Accuracy is critical, with slots consistently held as narrow as 0.002". Slot size is generally determined through analysis of reservoir materials.

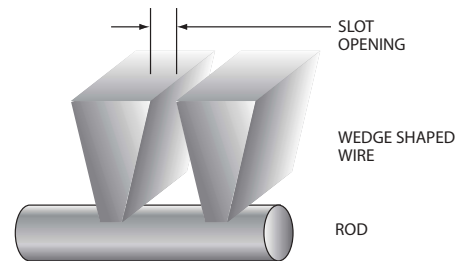
Sand grain size distribution is determined through sieve analysis to determine proper slot opening to yield efficient, sand-free production.

The triangular shaped wire bars form "V" shaped, inwardly-widening openings that resist clogging through a natural self-cleaning action.

Optimized wire and rod cross section configurations provide the appropriate blend of strength and maximum open area for increased hydraulic efficiency.



Wedge shaped wire construction welds stainless steel rods in precise alignment to achieve the best combination of flow rate and strength.



Keystone profile wire welded pipe base screens are the accepted standard in gravel packing completions in the industry. Stren produces its precision series pipe base screen to meet the demanding standards of producers and gravel packing service companies.

Pipe base configurations available in standard API carbon and alloy steel tubulars, threaded and coupled. Sizes through 16" O.D. Special sizes, materials and threads upon request. Standard and corrosion resisting alloys including 316L stainless steel, Inconel 825, Monel and more can be custom fabricated to meet your needs in our Houston plant.



**Stren precision profile wire pipe base screens. All standard API tubulars, alloys, threads and perf patterns.**

## PRECISION KEYSTONE PROFILE WIRE PIPE BASE SCREEN

Nom. Size(In.)	Pipe I.D.	PIPE O.D.	Pipe Lbs/Ft	Coupling O.D.	Screen O.D.**	Ship Lbs/Ft	INLET AREA (SQ. INCHES PER FOOT) **					
							SLOT SIZE (IN THOUSANDTHS)					
							0.008	0.01	0.012	0.016	0.02	0.03
1-1/4	1.38	1.66	2.27	2.05	2.10	3.6	6.8	8	9.6	12	17	23
1-1/2	1.61	1.90	2.71	2.20	2.31	4.0	7.9	9	12	16	20	25
2	2.06	2.37	3.65	2.87	2.80	5.0	9.1	13	15	18	24	31
2-1/2	2.46	2.87	5.79	3.37	3.48	7.8	12	15	17	21	27	36
3	3.06	3.50	7.58	4.00	4.10	12.0	13	18	20	24	32	43
4	4.02	4.50	10.79	4.62	5.10	25.0	16	21	24	31	37	50
5 OD	4.40	5.00	15.00	5.56	5.60	24.0	18	24	26	32	41	57
5-1/2 OD	4.95	5.55	15.50	6.05	6.10	25.0	19	23	27	37	42	58
6	6.06	6.62	18.97	7.39	7.20	28.0	23	27	30	38	48	67
7 OD	6.36	7.00	23.00	7.65	7.60	35.0	25	29	33	43	51	71
7-5/8 OD	7.00	7.62	26.40	8.50	8.20	37.0	26	31	36	46	56	78
8	7.98	8.62	28.55	9.62	9.30	38.0	28	35	40	50	63	86
9-5/8	8.92	9.62	36.00	10.62	10.22	47.0	30	38	45	56	70	95
10	10.02	10.75	40.48	11.75	11.40	49.0	33	42	50	61	78	104
12	12.00	12.75	49.56	14.00	13.40	67.0	39	50	54	70	91	125
13-3/8 OD	12.61	13.37	54.50	14.37	14.10	72.0	40	52	60	73	94	131
14 OD	13.25	14.00	54.57	–	14.62	81.0	41	55	57	77	101	136
16 OD	15.25	16.00	62.58	–	16.72	93.0	46	58	61	82	104	144

\*

*\*Please contact engineering support at Houston manufacturing plant for your larger diameter needs.*

*\*\*Approximate—dependent upon profile wire/rod cross section combination selection*

Pipe base configurations are available in standard API carbon and alloy steel tubulars. Perforations may be varied to meet special requirements. Pipe is drilled and deburred inside and out on our high speed, automatic perforating machines.

Precision fitted rod base screen jackets are slipped over perforated tubulars and welded in place.

Stren can produce all standard pipe

and telescope screen sizes, as well as any custom diameters to meet your application requirements.

Our chart will help in your selection process for standard products, or you may call us for technical support in any application, including screen material selection and complete sand analysis laboratory services for assistance in slot size determination.



Stren Inc.  
*Engineered Products for Industry*

15045 Woodham Drive  
Houston, Texas 77073

Tel (281) 820-0202

Fax (281) 820-5909

email: [sales@stren.net](mailto:sales@stren.net)

See us at [www.stren.net](http://www.stren.net)