

AccuRite Screens

APPLICATIONS

- Cased hole and openhole gravel packs
- Cased hole frac packs
- Cased hole and openhole stand-alone screens
- Other specific well applications, with customization

BENEFITS

- Long-life performance in harsh production environments
- Easy, fast installation
- Excellent performance in high-rate gravel-pack applications
- Robust sand control solution that helps prolong the life of the screen

FEATURES

- Welding processes and quality control that ensure greater strength and less chance of downhole failure
- Inlet area that is up to 30 times more effective than slotted pipe of same gauge
- Wire-wrap design that supports self-cleaning action for greater flow and less chance of plugging
- Welding at each point of contact with rod wire so that screens do not separate when pulled and do not "bird nest" if milled

AccuRite™ wire-wrapped screens provide excellent sand control in oil and gas applications.

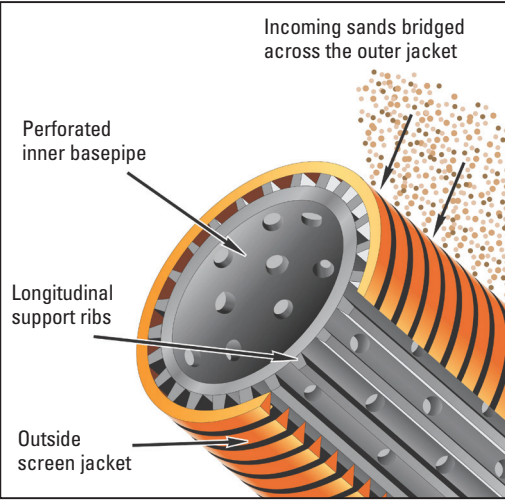
High-quality control standards ensure maximum screen strength and erosion resistance and prevent the screen from being easily plugged by fines or produced solids. The assemblies are usually either 32 ft [9.8 m] of screen jacket on 38 ft [11.6 m] of basepipe or 16 ft [4.9 m] of screen jacket on 20 ft [6.1 m] of basepipe. Other customized lengths can be provided.

AccuRite wire is available in a variety of widths and heights for different applications. It is available in both 304SS and 316L stainless steel. AccuRite screens use either 90L-, 90-, 90H-, 47-, or 47H-shaped wire and longitudinal rib configurations. House-shaped cross-section wire is typically used for heavy-duty applications to avoid erosion, whereas keystone-shaped wire is used for standard applications when self-cleaning is required.

Custom-engineered screen manufacturing equipment ensures precise tolerances and quality control. Selection of the appropriate screen is based on a variety of factors and is a critical step in the well completion process. Schlumberger technical staff can help in this selection to ensure optimal well and screen performance for your application.



AccuRite wire-wrapped screens.



AccuRite screen components.

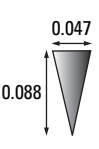
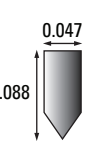
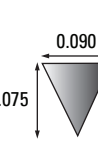
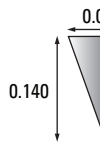
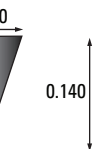
AccuRite Screens

Specifications

Basepipe Size, [†] in [mm]	Basepipe Weight, lbm/ft [kg/m]	Min. ID, in [mm]	Screen OD, in [mm]	Fishing OD, in [mm]	Hole Size ID, in [mm]	Holes/ ft	Max. Tensile Rating, [‡] lbf [N]	Max. Torque Rating, [‡] lbf.ft [N.m]
2.375 [60.3]	4.6 [6.8]	1.995 [50.6]	2.660 [67.6]	3.040 [77.2]	0.375 [9.5]	40	67,946 [302,239]	2,863 [3,882]
2.875 [73.0]	6.4 [9.5]	2.441 [62.0]	3.160 [80.3]	3.540 [89.9]	0.375 [9.5]	50	93,673 [416,678]	4,823 [6,540]
3.500 [88.9]	9.2 [13.7]	2.992 [76.0]	3.790 [96.3]	4.160 [105.7]	0.375 [9.5]	60	135,051 [600,737]	8,512 [11,542]
4.000 [101.6]	11.0 [16.4]	3.476 [88.3]	4.290 [109.0]	4.660 [118.4]	0.500 [12.7]	40	170,176 [756,981]	12,438 [16,866]
4.500 [114.3]	12.6 [18.7]	3.958 [100.5]	4.800 [121.9]	5.187 [131.7]	0.500 [12.7]	40	203,890 [906,948]	17,249 [23,390]
5.000 [127.0]	15.0 [22.3]	4.408 [112.0]	5.312 [134.9]	5.687 [144.4]	0.500 [12.7]	50	242,278 [1,077,706]	22,417 [30,397]
5.500 [139.7]	17.0 [25.3]	4.892 [124.3]	5.812 [147.6]	6.190 [157.2]	0.500 [12.7]	50	280,151 [1,246,174]	28,682 [38,893]
6.625 [168.3]	20.0 [29.8]	6.049 [153.7]	6.950 [176.5]	7.320 [185.9]	0.500 [12.7]	60	324,628 [1,444,017]	41,072 [55,694]
7.000 [177.8]	23.0 [34.2]	6.366 [161.7]	7.330 [186.2]	7.700 [195.6]	0.500 [12.7]	70	369,720 [1,644,596]	49,246 [66,778]

[†]Other sizes are available upon request.

[‡]The values for all mechanical properties are based on 80,000-psi material and contain an engineering safety factor.

Wire	47	47H	90L	90	90H
Dimensions (in)					
Weight (g/m)	15	19	23	45	61
Open area (at 200 um)	14.4%	14.4%	8.0%	8.0%	8.0%

AccuRite wire sizes.

www.slb.com/completions

Schlumberger