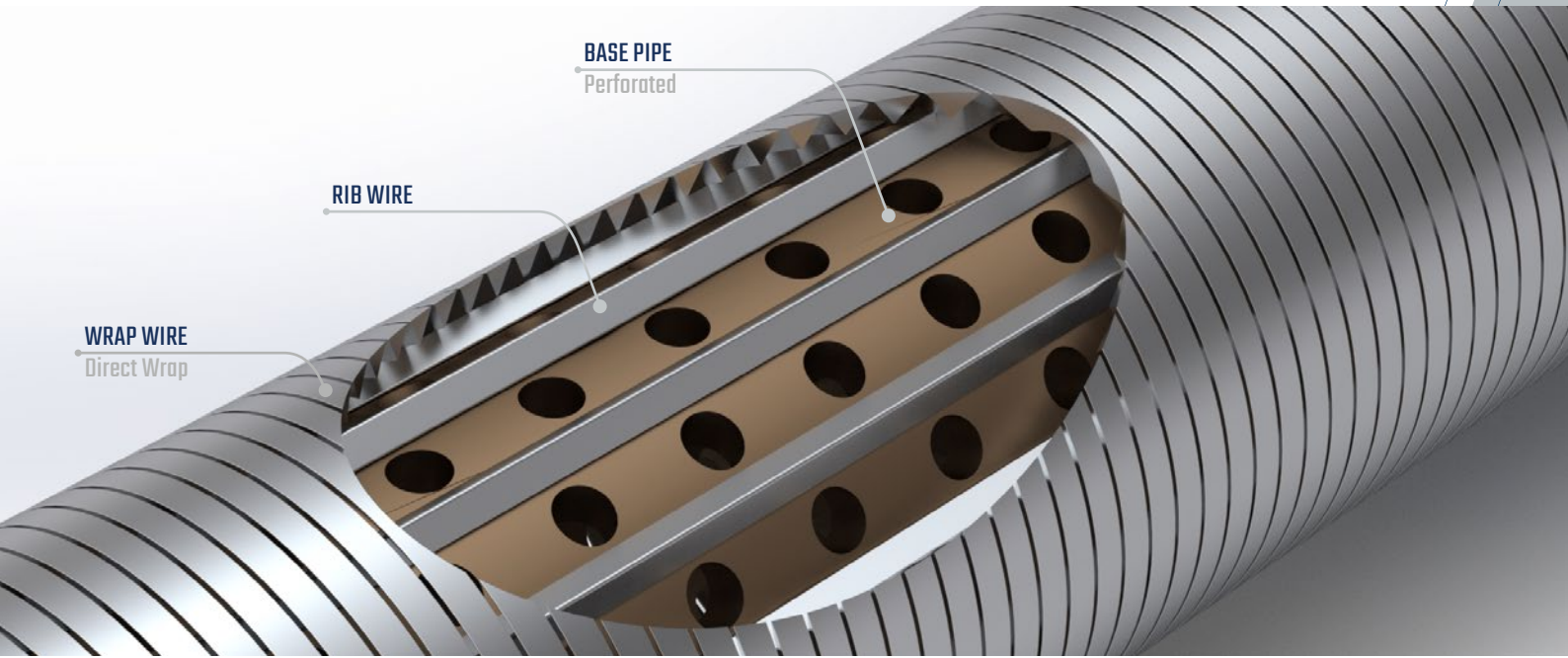


# CAPTURE

DIRECT WRAP SCREEN

PRODUCT TECHNICAL DATA



Capture is a robust Direct Wrap on pipe screen designed for stand alone and gravel pack sand control applications. The profile/shaped wire is wrapped directly on the *base pipe* providing conformance and eliminating the gap between screen and *base pipe*. This process creates a unified structure producing enhanced mechanical properties such as collapse, burst, bend, tensile, compression and torque superior to conventional slip-on WWS.

This makes Capture ideal for Deepwater, high CAPEX investment wells requiring quality and reliability, Extended Long Reach Completion (ERD) wells with demanding deployment conditions and SAGD requiring sand control integrity for thermal cyclic loading wells.

With the latest Direct Wrap machine technology and vision measurement systems, Capture delivers a world class screen product with excellent slot control from 50µm to 5,000µm and measurement of slots from compliance with ISO 17824 to client specific QCP with 100% of slots measured with a resolution of 5µm.

## APPLICATIONS

- ▢ Deepwater, High CAPEX wells
- ▢ Wellbores with high pressure requirements
- ▢ Openhole stand alone screen completions
- ▢ Openhole & cased hole gravel pack completions
- ▢ High Temp, High Pressure, SAGD

## BENEFITS

- ▢ Increased completion longevity
- ▢ Excellent mechanical properties
- ▢ Excellent slot control
- ▢ Reliability and cost effective

## FEATURES

- ▢ Consistent & accurate slot openings (Optical slot measurement)
- ▢ The Direct Wrap of screen provides reduced product OD
- ▢ Different wire (radial) & rib (axial) configuration available based on requirements and well condition
- ▢ "Lite" cost effective, erosion resistant "House Shape" profile wire and heavy-duty screens
- ▢ Inherent damage resistance during installation
- ▢ Available in various screen coverage, metallurgy requirements (incl 316Lss, 304ss, Incoloy 825, Custom)
- ▢ Available in diameters from 2-3/8" to 10"



## MANUFACTURING & QUALITY

The manufacture of Capture undergoes rigorous quality assurance and control practices including a detailed Quality Control Plan, full material and operator traceability and optical slot inspection, all reported in the Quality Dossier delivered with the product.

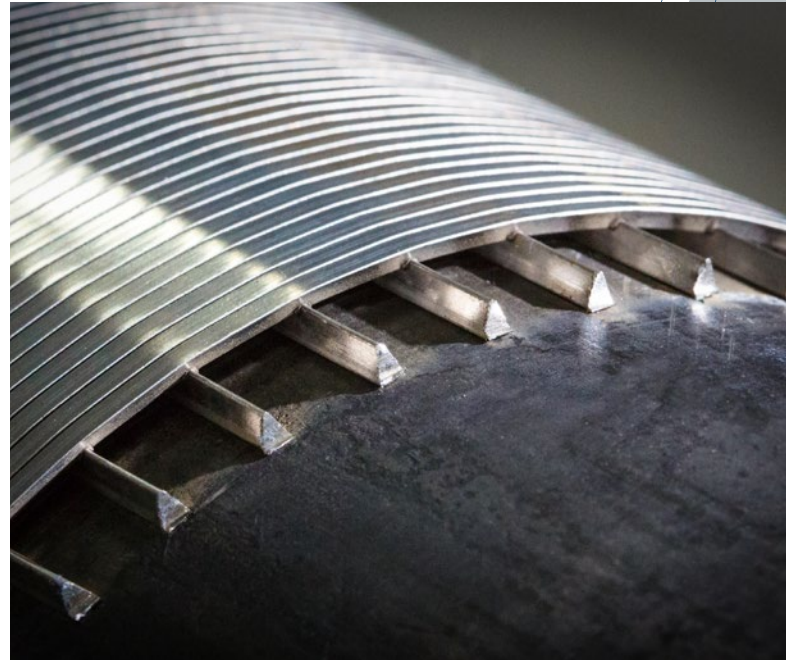
Our profile wires, key to slot accuracy, are manufactured using stringent processes to ensure metallurgical integrity in grain size and control of hardness and cleanliness, providing high tolerance on the size (100% continuous laser micrometer measurement). Prevention of SCC (Stress Corrosion Cracking) comes thru annealing process, while the cleanliness of the wire helps ensure consistent weld ability.

An optical slot inspection is done using a calibrated vision measurement system with a resolution of 5µm: slot measurements can be made to comply with ISO17824, API 19SS Q1 or client specific QCP.

A Statistical Process Control is used to define the screen slot and comes along with the Quality Dossier.

Capture has undergone stringent testing, including ISO 17824 for Sand Control Screens, with excellent results in burst and collapse tests, along with mechanical testing as tensile, torque and bend.

## PRODUCT TECHNICAL DATA



## DATA

BASE PIPE SIZE	BASE PIPE WEIGHT	PRODUCT OD	HOLE SIZE	NUMBER OF HOLES
(Inch)	(Lbs/Ft)	(Inch)	(Inch)	(per Ft)
2 3/8	4,6	3,05	3/8	36
2 7/8	6,4	3,55	3/8	48
3 1/2	9,2	4,18	3/8	52
4	9,5	4,68	3/8	60
4 1/2	11,6	5,19	3/8	72
5	15	5,69	3/8	84
5 1/2	17	6,19	3/8	84
6 5/8	24	7,33	3/8	108
7	29	7,71	3/8	108

\*For more details on collapse, burst, tensile and other ratings please contact [sales@completionproducts.com](mailto:sales@completionproducts.com).

## JEWELRY

Capture sand control screen product is customizable and shall be integrated with other flow control equipment's.

### ICD/AICD

In flow control devices (ICD) or autonomos inflow control device (AICD), which improves oil recovery, can be integrated with Capture to improve process efficiency of the well production.

### SSD FLOW CONTROL DEVICES

Capture can incorporate a sliding sleeve door (SSD) to provide a system that allows selective shut-off in different sections of the pay zone. A shifting tool is used to close the sliding sleeve, successfully isolating the reservoir from the tubing ID.