

## proSEAM™

### Seamed Slotted Liner

RGL developed the API certification for slotted liners, allowing us to provide the highest standards in quality, accuracy and delivery. Our innovative manufacturing methods and rigorous quality control standards provide a variety of slot configurations with precise tolerances. Based on core particle size analysis, RGL can custom design slotted liner according to specific reservoir sand distribution, optimizing sand retention and inflow/outflow distribution with various slot designs. Our extensive manufacturing capabilities ensure quick production turnaround time to meet customer demands and scheduling.

RGL's proSEAM™ slotted liner is manufactured to create a "keystone" profile of each slot, reducing each sand infiltration and plugging potential while maintaining superior mechanical strength and integrity. The seamed profile is engineered to incorporate a primary and secondary sand control mechanism. Finite Element Analysis ensures the load conditions are met for each application. RGL's patented thermal deburring technology effectively deburrs the ID of the slotted liner, reducing the risk of induced pressure drop.



### Features and Benefits

- API Q1™ Certified manufacturing processes
- Patented thermal deburring technology - 90%+ burr internal clean up
- Excellent robustness with low risk of collapse or deformity
- Economic straight slot for low fines and clays reservoirs
- Minimal restrictions – no outer screens

### Applications

- Heavy Oil, Bitumen, Light Oil, Gas, Coal Bed Methane (CBM), Unconsolidated Sand, Medium Oil, Carbonates, High CO<sub>2</sub>/H<sub>2</sub>S Reservoir Environment
- Cold Primary, Steam Assisted Gravity Drainage (SAGD), Cyclic Steam Stimulation (CSS), Steam Flood, Geothermal, Water Injection, Polymer Injection
- Horizontal, Deviated and Vertical Wells

### Options

- Sand Control Engineering with RGL's proprietary semi-empirical slot width modelling program
- RGL Sand Control Lab Testing for optimum specifications
- Multiple thread options
- Welded and non-welded end cap options
- Finite Element Analysis (FEA) for installation and/or thermal loading
- A wide range of casing grades available with 13 Chrome and 28 Chrome coating options
- RGL's proprietary RGL ENC coating option available
- Slotting Patterns: In-line, Staggered, Gang



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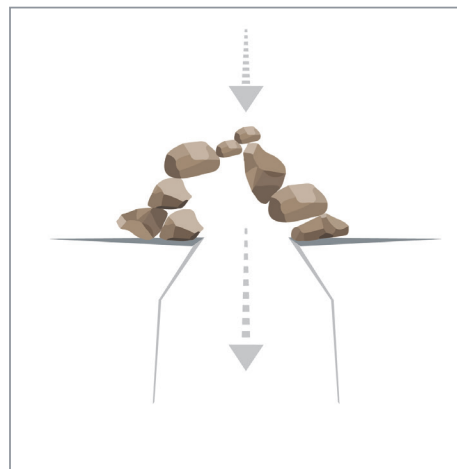


Description		Basepipe Size							
		3.5	4.5	5	5.5	6.63	7	8.63	9.63
Base pipe* weight	kg/m	13.72	17.26	22.32	25.3	35.72	34.23	53.57	59.53
	lb/ft	9.2	11.6	15	17	24	23	36	40
Base pipe OD	mm	88.9	114.3	127	139.7	168.3	177.8	219.1	244.5
	in	3.5	4.5	5	5.5	6.625	7	8.625	9.625
Base pipe ID	mm	76.0	101.6	111.96	124.26	150.40	161.7	198.76	224.4
	in	2.992	4	4.408	4.892	5.921	6.366	7.825	8.835
Joint length	m / ft	Range 1- Range 3: 4.88 - 14.63 / 16 - 48							
Slot size	mm / in	0.18-0.76/ 0.007 - 0.030							
Slot Length	mm / in	38-76/ 1.5-3.0							

proSEAM™ Technical Data

Notes: For reference only.

\*Other weights of the base pipe available per APT 5CT Specification for Casing and Tubing



Slotting Patterns		
In-line	Staggered	Gang
