

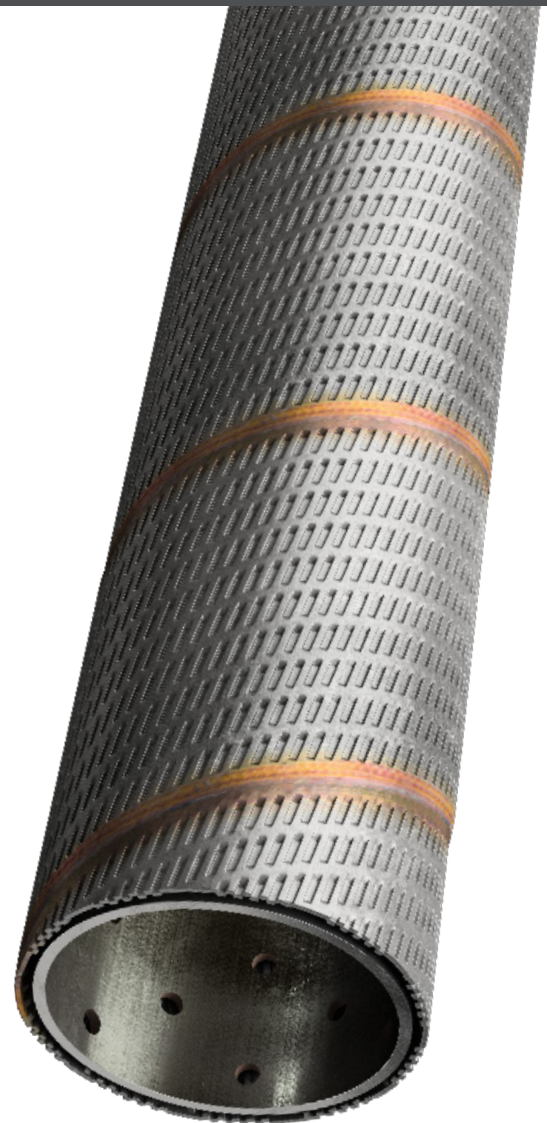
proPUNCH[®]

Punch Screen

RGL's proPUNCH[®] sand control device (SCD) is a slip on punched screen positioned over top of a slotted or perforated base pipe. The sand bridges form inside the apertures, and the inflow is axial vs. radial. proPUNCH provides superior corrosion and plugging resistance.

proPUNCH offers a variety of profiles, materials, and base pipe perforation and slotting patterns to ensure sand control performance meets the application.

proPUNCH is manufactured in an API Q1[™] and ISO 9001:2015 certified facility.



Features and Benefits

- Large open flow area (2 to 8% or more)
- Corrosion resistant stainless steel (304L or 316L)
- High strength slotted or perforated base pipe
- High flow rate with low pressure drop

Applications

- Openhole standalone completions
- Secondary liner completions
- Cased and perforated completions
- Horizontal, deviated, and vertical wells
- Producer, injector, and infill wells
- Ideal for medium to high velocity wells

Options

- RGL proLAB[™] Sand Control Lab Testing and modelling
- High-grade alloys
- Custom slotting and perforating patterns
- Multiple casing grades available with 13 Chrome and 28 Chrome coating options
- Finite Element Analysis (FEA) for installation and thermal loadings
- Patented non-welded or welded end caps



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Technical Specifications								
Description	Basepipe Size, in. (mm)							
		4.5 (114.4)	5 (127)	5.5 (139.7)	6.5 (165.1)	7 (177.8)	8.63 (219.2)	9.63 (244.6)
Basepipe weight	kg/m	17.26	22.32	25.3	35.72	34.23	53.57	59.53
	lb/ft	11.6	15	17	24	23	36	40
Basepipe ID	mm	101.6	111.96	124.26	150.40	161.7	198.76	224.4
	in.	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						
*Screen OD	mm	124.56	137.29	149.96	178.54	188.09	229.37	255.14
	in.	4.9	5.4	5.9	7.0	7.4	9.0	10.0
Screen length	m/ft	2.88 - 12.63 / 9.45- 41.44						
Aperture size	mi- cron/ in.	200 - 400 / 0.008 - 0.016						
Aperture toler- ance	mm/ in.	±0.05 / ±0.002						
OFA of screen	%	3 - 7						
Port diameter	mm/ in.	9.5 or 12.7 / 0.375 or 0.5						
*Ports/unit length	/m	210	236	262	289	315	341	420
	/ft	64	72	80	88	96	104	128
*Total basepipe port flow area	m ² /m	0.015	0.017	0.019	0.021	0.022	0.024	0.030
	in ² /ft	7.07	7.95	8.84	9.72	10.60	11.49	14.14
Basepipe capacity (axial)	m ³ /m	0.008	0.010	0.012	0.018	0.021	0.031	0.040
	ft ³ /ft	0.087	0.106	0.131	0.191	0.221	0.334	0.426
OFA of basepipe	%	3-5						

Notes: Specs and illustrations for reference only. Dimensions are subject to change.

Additional Product Information:

1. End field connections to suit customer requirements

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

