

MeshRite™ Screen Specifications					MeshRite™ Screen Mechanical Properties					
API Base Pipe		Perfora	Outer Jacket		Tension	Torque	Collapse	Burst	Max Bend Limit	Max Flow Rate
Nominal Size	Weight	Pipe I.D.	Jacket O.D.	Open Flow Area	MeshRite (FEA)	MeshRite (FEA)	MeshRite (FEA)	MeshRite (FEA)		
in	lb/ft	in	in		klbf	klbf*ft	Psi	Psi	(°/30 m)	BPD/ft
2 3/8	4.6	1.995	3	40.0%	48.6	2.2	10373	9293	45	212
2 7/8	6.4	2.441	3.5	40.0%	64.6	3.4	9405	8804	45	238
3 1/2	9.2	2.992	4.05	40.0%	83.2	5.4	8035	8957	45	427
4	9.5	3.548	4.55	40.0%	89.5	6.2	6634	6003	45	469
4	11	3.459	4.55	40.0%	100.6	7.1	7614	7178	45	469
4 1/2	11.6	4	5.05	40.0%	104.8	8.5	6306	5805	45	562
5	15	4.408	5.55	40.0%	119.2	10.6	5730	5500	45	608
5 1/2	15.5	4.95	6.05	40.0%	126.1	13.0	4980	4799	45	662
5 1/2	17	4.892	6.05	40.0%	147.4	15.2	5921	5829	45	662
6 5/8	24	5.921	7.13	40.0%	211.6	25.9	5792	5721	45	700
7	23	6.366	7.65	40.0%	206.0	26.0	5072	4855	45	754
7	26	6.276	7.65	40.0%	226.8	28.9	5642	5638	45	754
7	29	6.184	7.65	40.0%	247.8	31.9	6146	6233	45	754
7 5/8	29.7	6.875	8.25	40.0%	230.6	32.3	4801	4653	45	785
8 5/8	32	7.921	9.25	40.0%	272.0	42.4	4484	4504	45	916
9 5/8	40	8.835	10.3	40.0%	308.8	54.1	4053	4067	45	1016

Note: The above data is based on FEA bench-marked to mechanical test data (C-FER) and has a 1.2 safety factor applied. In 2009 a 5” MeshRite joint was intentionally burst downhole, after a DST, to kill the well, and the burst pressure was measured at 6764 psi. Dividing by 1.2 yields 5657 psi which is only 2.5% higher than what the FEA predicts.