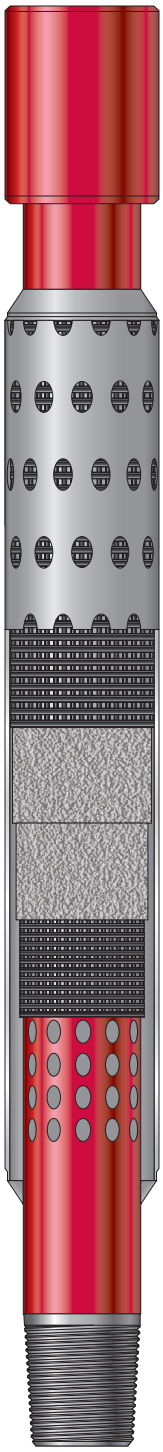
Weatherford®

Stratacoil™ TT Screens



Weatherford's *Stratacoil* thru-tubing (TT) screens are designed for optimal flow distribution. The porous metal fiber (PMF) media, which consists of metal fibers sintered between two layers of woven wire mesh, make these screens ideal for controlling non-uniform sands. The PMF media's engineered pore structure forms a specific range of pore sizes with an extremely high pore volume. *Stratacoil* screens also provide superior damage tolerance. The strength and flexibility of the PMF media better resist the crushing forces of compacting reservoirs and provide longer-lasting, more reliable sand control. The design of *Stratacoil* screens offers advantages in the following applications:

- Coiled-tubing gravel packs
- Damaged gravel-packed screen repair
- Marginal reservoirs requiring minimal investment

Features, Advantages and Benefits

- High pore volume maximizes flow capability.
- Perforated core provides large base-pipe ID for product OD—the best ID-to-OD ratio in thru-tubing screen offerings.
- Inner and outer drainage layers provide even flow distribution to the media layers.
- PMF independent multi-layer media can be customized to two, three, or four layers to accommodate sand conditions; provides the ultimate in flow and sand retention capabilities; increases daily production rates by reducing drawdown; reduces friction loss in high-volume wells through high pore volume; and prevents sand flow even after deformation.
- Seam-welded PMF media design provides increased burst and collapse resistance, and the outer protective cover resists damage during installation.

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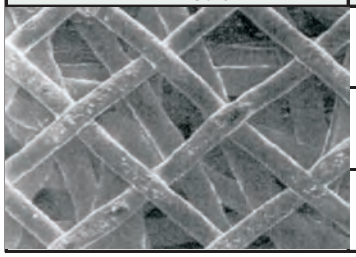
Specifications

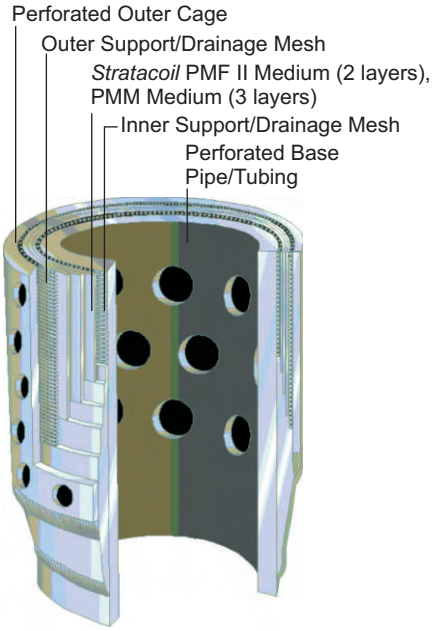
Screen Size (in./*mm*)	Perforated Core OD (in./*mm*)	Screen ID (in./*mm*)	Screen OD (in./*mm*)	Coupling OD (in./*mm*)	Product Weight (lb/ft, *kg/m*)	Tensile (lb)	Burst (PSI/*kPa*)	Collapse (PSI/*kPa*)	Minimum Size Tubing
1 *25.4*	1.315 *33.401*	0.950 *24.130*	1.640 *41.656*	1.660 *42.164*	2.65 *3.94*	9,380	1,360 *9,377*	1,800 *12,411*	2 3/8-in., 4.6 lb/ft, 1.995 ID
1-1/4 *31.8*	1.660 *42.164*	1.290 *32.766*	1.980 *50.292*	2.054 *52.172*	3.36 *5.00*	11,950	1,100 *7,584*	1,500 *10,342*	2 7/8-in., 6.4 lb/ft, 2.441 ID
1-1/2 *38.1*	1.900 *48.260*	1.500 *38.100*	2.190 *55.626*	2.200 *55.880*	3.84 *5.71*	13,604	990 *6,826*	1,200 *8,274*	2 7/8-in., 6.4 lb/ft, 2.441 ID
2-1/16 *52.4*	2.063 *52.400*	1.610 *40.894*	2.300 *58.420*	2.500 *63.500*	4.14 *6.16*	14,450	910 *6,274*	1,000 *6,895*	3 1/2-in., 10.2 lb/ft, 2.922 ID

Notes:

1. Screen tensile based on entire screen assembly. The joint strength may be higher or lower.
2. Product tolerance is +/– 0.03 in.
3. Joints are available in 11.25-ft makeup lengths. Screen length is 10 ft.
4. Minimum size tubing is the smallest size that screen can be run through. It is based on the tubing or nipple ID being at least 0.25 in. larger than the product OD. For polished bore receptacles, the product OD should be at least 0.13 in. smaller.
5. Media sizes available are PMM 60, PMF 125, and PMF 200 micron.
6. Media available in 316L and Carpenter 20.

Performance Capabilities			
PMF Media	Nominal Pore Size (micron)	Permeability (darcy)	Porosity (%)
	PMM 60	130	64 to 67
	PMF 125	240	
	PMF 200	300	

Available in 60-, 125-, and 200-micron as standard



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