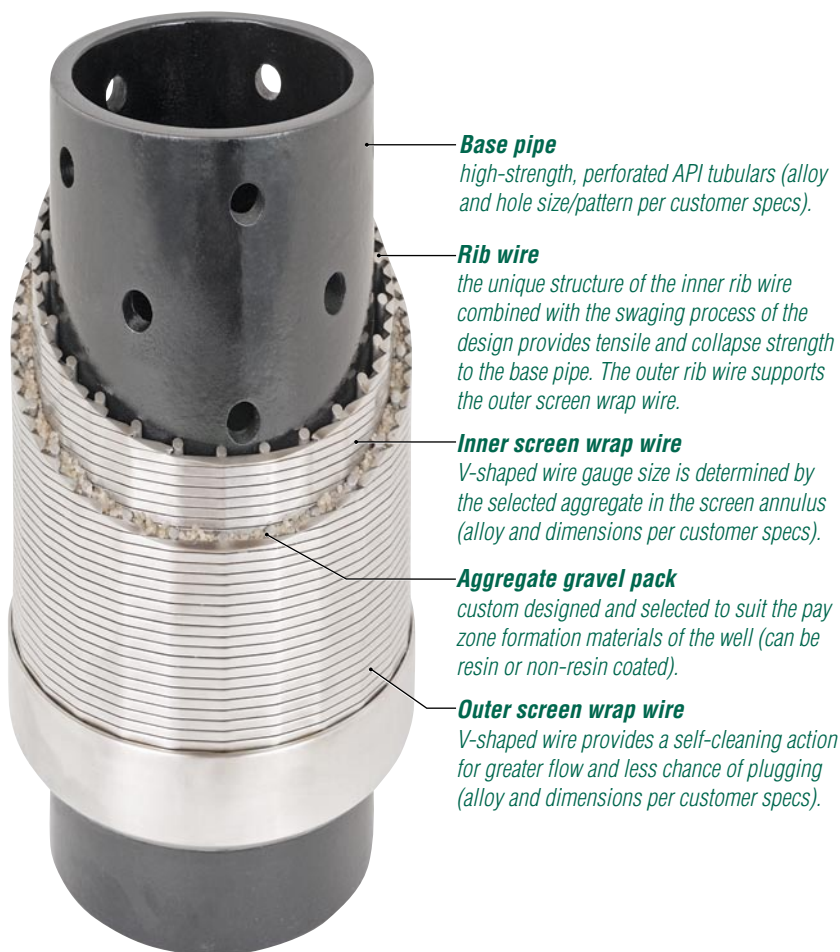


DUAL PRE-PACK/TT™

Pipe-based, wire-wrapped sand control screen for thru-tubing applications

The Dual Pre-Pack/TT pipe-based, wire-wrapped, all-welded screen is a cost-effective sand control system for thru-tubing applications. It consists of a base pipe with two concentric V-shaped wire screens with a 0.084-in. thick integral gravel pack. The aggregate gravel pack can be resin or non-resin coated. The dual screen provides built-in sand control when gravel packing is not feasible.

The Dual Pre-Pack/TT screen is specifically designed for thru-tubing applications and should be considered for shallow wells with expected low production rates and thin pay zones. In well-sorted formation sands, other applications are water injection or steam flood workover wells.



Base pipe
high-strength, perforated API tubulars (alloy and hole size/pattern per customer specs).

Rib wire
the unique structure of the inner rib wire combined with the swaging process of the design provides tensile and collapse strength to the base pipe. The outer rib wire supports the outer screen wrap wire.

Inner screen wrap wire
V-shaped wire gauge size is determined by the selected aggregate in the screen annulus (alloy and dimensions per customer specs).

Aggregate gravel pack
custom designed and selected to suit the pay zone formation materials of the well (can be resin or non-resin coated).

Outer screen wrap wire
V-shaped wire provides a self-cleaning action for greater flow and less chance of plugging (alloy and dimensions per customer specs).

Applications

- Engineered specifically for thru-tubing applications
- Built-in sand control when gravel packing is difficult, not feasible, or too costly
- Shallow wells with thin pay zones
- Numerous workover applications
- Cased or open hole horizontal completions.

ALLOY SCREEN WORKS

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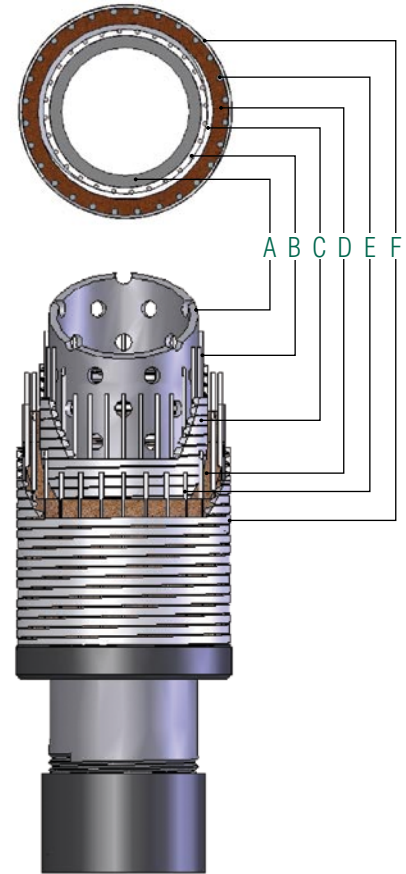
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Advantages

- Economical solution when gravel packing is not feasible for thru-tubing applications
- In well-sorted sands, eliminates the need to under-ream and gravel pack a well
- Ideal for low budget workover programs
- Choice of wrap wire and base pipe alloys as well as type and thickness of aggregate gravel pack allows for custom engineering to match specific production environments
- Purpose built for oil, gas or water producing wells and injectors, as well as waterflood, steamflood and disposal wells
- More effective than slotted liners.

- A. Base pipe (alloy and hole size/pattern per customer specs)
- B. Rib wire (to specs)
- C. Inner screen wrap wire (alloy and dimensions per customer specs)
- D. Aggregate gravel pack can be resin or non-resin coated
- E. Rib wire (to specs)
- F. Outer screen wrap wire jacket +/- 0.016 (alloy and dimensions per customer specs)



Base Pipe				Gravel Pack	Perforations		Screen			
OD (in.)	ID (in.)	Weight (lb/ft)	Coupling OD (in.)	Thickness (in.)	Size (in.)	Holes/ft	OD (in.)	Cylinder Area (sq in./ft)	Nominal Diameter (in.)	.006 GA Inlet Area (sq in./ft)
1.050	0.824	1.14	1.313	0.084	3/8	60	1.658	62.47	0.75	5.68
1.315	1.049	1.70	1.66	0.084	3/8	60	1.923	72.46	1.00	6.59
1.660	1.380	2.30	2.05	0.084	3/8	72	2.270	85.53	1.25	7.78
1.900	1.610	2.75	2.20	0.084	3/8	84	2.510	94.58	1.50	8.61
2.060	1.750	3.25	2.50	0.084	3/8	84	2.670	100.61	2.0625	9.15

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