



# Weatherford®

Well Screen

## *Micro-Pak® TT Screens*

Difficult conditions such as highly deviated wellbores or long perforated intervals make gravel packing problematic; but Weatherford's *Micro-Pak* thru-tubing (TT) screens provide security against voids in gravel packs and aid the placement of gravel into the formation. *Micro-Pak* TT screens also increase erosion tolerance during the pumping process.

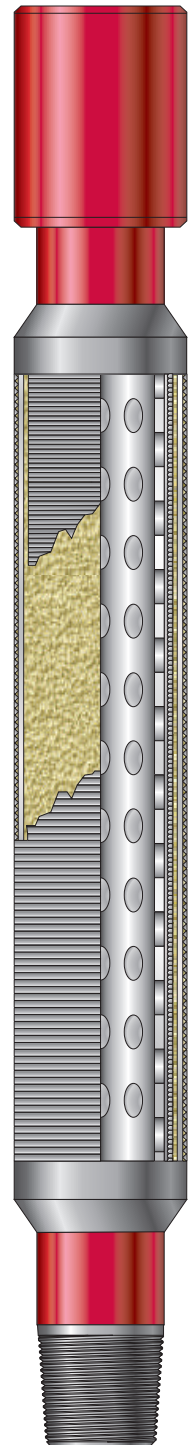
Construction consists of an inner Dura-Grip® screen with an outer screen jacket. The annular space between the screens is packed with the appropriate, specified media type and size. Weatherford's unique industrial vibration packing system ensures proper compactness. Weatherford's exclusive curing process provides a uniform cure cycle when resin-coated media are specified as the pack material.

*Micro-Pak* TT screens have many applications, including the following:

- TT high-rate water-pack completions
- TT frac pack completions

### *Features, Advantages and Benefits*

- *Dura-Grip* inner screen provides added strength and collapse resistance.
- Consistent curing and annulus packing processes ensure proper compactness and a uniform cure cycle when resin-coated media are used as the pack material.
- Reduced OD maximizes base pipe size.





## Micro-Pak<sup>®</sup> TT Screens

### Specifications

Screen Size (in./mm)	Pipe Weight (lb/ft, kg/m)	Base Pipe Size		Screen OD (in./mm)	Coupling OD (in./mm)	Product Weight (lb/ft)	Tensile (lb/kg)	Burst (PSI/kPa)	Collapse (PSI/kPa)	Minimum Size Tubing
		OD (in./mm)	ID (in./mm)							
1 25.4	1.70 2.53	1.315 33.401	1.049 26.645	2.020 51.308	1.660 42.164	4.3	27,650 12,542	6,410 44,195	10,180 70,189	2 7/8-in., 6.4 lb/ft, 2.441 ID
1-1/4 31.8	2.30 3.42	1.660 42.164	1.380 35.052	2.360 59.944	2.054 52.172	5.3	37,430 16,978	6,150 42,403	8,650 59,640	3 1/2-in., 12.7 lb/ft, 2.750 ID
1-1/2 38.1	2.75 4.09	1.900 48.260	1.610 40.894	2.600 66.040	2.200 55.880	6.1	44,760 20,303	5,960 41,093	7,890 54,400	3 1/2-in., 7.7 lb/ft, 3.068 ID
2-1/16 52.4	3.25 4.84	2.063 52.400	1.750 44.450	2.760 70.104	2.500 63.500	6.7	52,490 23,809	5,820 40,127	7,820 53,917	3 1/2-in., 7.7 lb/ft, 3.068 ID

Notes:

1. All values are based on 316L screen jackets.
2. All values are for a screen on L/N 80 basepipe.
3. Screen tensile based on entire screen assembly. The joint yield strength may be higher or lower.
4. Product OD tolerance is  $\pm 0.050$  in.
5. 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.
6. Screens available in 316L and INCOLOY<sup>®</sup> 825.
7. Heavy-duty screen adds 0.05 in. to product OD.

### Options

- Micro-Pak screens are available in various metallurgies and in the appropriate size and type of pack media for the application.

INCOLOY is a registered trademark of the Special Metals Corporation group of companies.