



# Weatherford®

Well Screen

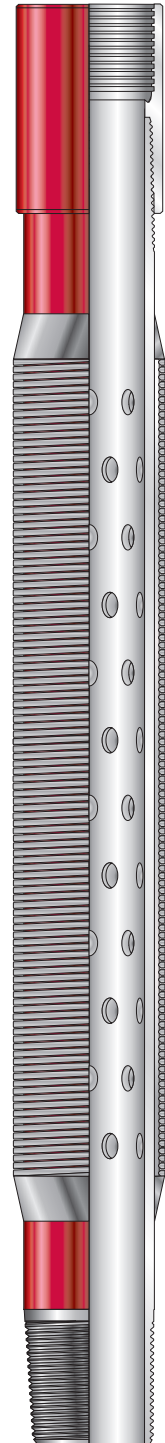
## *Dura-Grip® TT Screens*

Weatherford's *Dura-Grip* thru-tubing (TT) screens are the ultimate expression of wrapped-on-pipe screen. Weatherford invented the shrink-fit process more than 25 years ago and has perfected this technology, which features heat-resistant welding of profile surface wire to a series of axial support rods directly on the perforated base pipe. The result is a product of remarkable strength that delivers superior, longer-lasting sand control. Weatherford's *Dura-Grip* screens are designed for optimal performance in the following applications:

- Vent screens
- Low-energy gravel packs in low-flow-rate completions
- Marginal reservoirs requiring minimal investments

### *Features, Advantages and Benefits*

- High-precision slot tolerances and precision-formed, application-specific wire profiles provide optimal exclusion of formation materials while maximizing production of hydrocarbons.
  - Original keystone-shape wire configuration for maximal non-clogging self-cleaning and free flow of materials
  - House-shape wire for greater erosion resistance
- *Dura-Grip* TT screens have the smallest OD available for wirewrap TT designs.
- *Dura-Grip* screens are the most easily retrievable of all screen products, even in the most rigorous fishing operations.





## *Dura-Grip® TT Screens*

### *Specifications*

<i>Dura-Grip (90L/102R)</i>										
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, kg/m)	Tensile (lb)	Burst (PSI/kPa)	Collapse (PSI/kPa)	Minimum Size Tubing
		OD (in./mm)	ID (in./mm)							
1	1.70	1.315	1.049	1.670	1.660	4.5	27,650	4,580	10,180	2 7/8-in., 4.6 lb/ft, 1.995 ID
25.4	2.53	33.401	26.645	42.418	42.164	6.7		31,578	70,189	
1-1/4	2.30	1.660	1.380	2.010	2.054	5.1	37,430	4,160	8,650	2 7/8-in., 6.4 lb/ft, 2.441 ID
31.8	3.42	42.164	35.052	51.054	52.172	7.6		28,682	59,640	
1-1/2	2.75	1.900	1.610	2.250	2.200	5.9	44,760	3,920	7,890	3 1/2-in., 12.7 lb/ft, 2.750 ID
38.1	4.09	48.260	40.894	57.150	55.880	8.8		27,027	54,400	
2-1/16	3.25	2.063	1.750	2.410	2.500	6.6	52,490	3,770	7,820	3 1/2-in., 12.7 lb/ft, 2.750 ID
52.4	4.84	52.400	44.450	61.214	63.500	9.8		25,993	53,917	

#### 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 are available in 316L and INCOLOY® 825.
7. Heavy-duty screen adds 0.05 in. to product OD.

### *Options*

- *Dura-Grip* screens are available in a wide selection of stainless steel and high-nickel alloys for optimal customization to the application.

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