

## SEGMENTED THICKNESS TOOL (STT)



The Segmented Thickness Tool (STT) is designed to assess metal loss of well tubular by analyzing the decay of localized electromagnetic fields. It employs 8 miniature high-resolution sensors positioned around its circumference, providing a comprehensive 360° segmented evaluation of 1<sup>st</sup> and 2<sup>nd</sup> barriers' integrity. In addition, two long sondes of the tool provide integrity evaluation up to the 4<sup>th</sup> concentric pipe, including the delivery of an average circumferential metal loss for the 3<sup>rd</sup> and 4<sup>th</sup> barriers. The STT is the best suite for corrosion logging and leak detection combining with the North Side FIND technology.

### Applications:

- 360° segmented high-resolution evaluation of 2 pipes
- Circumference average evaluation up to 4<sup>th</sup> pipe
- Internal & external corrosion evaluation and monitoring
- Localization of holes, cracks, parted pipes
- Frac ports opening, perforation control

### Advantages:

- High-Resolution corrosion monitoring of well tubulars
- Not affected by scale deposition
- Determination of small pinholes & pitting

### Tool Specifications

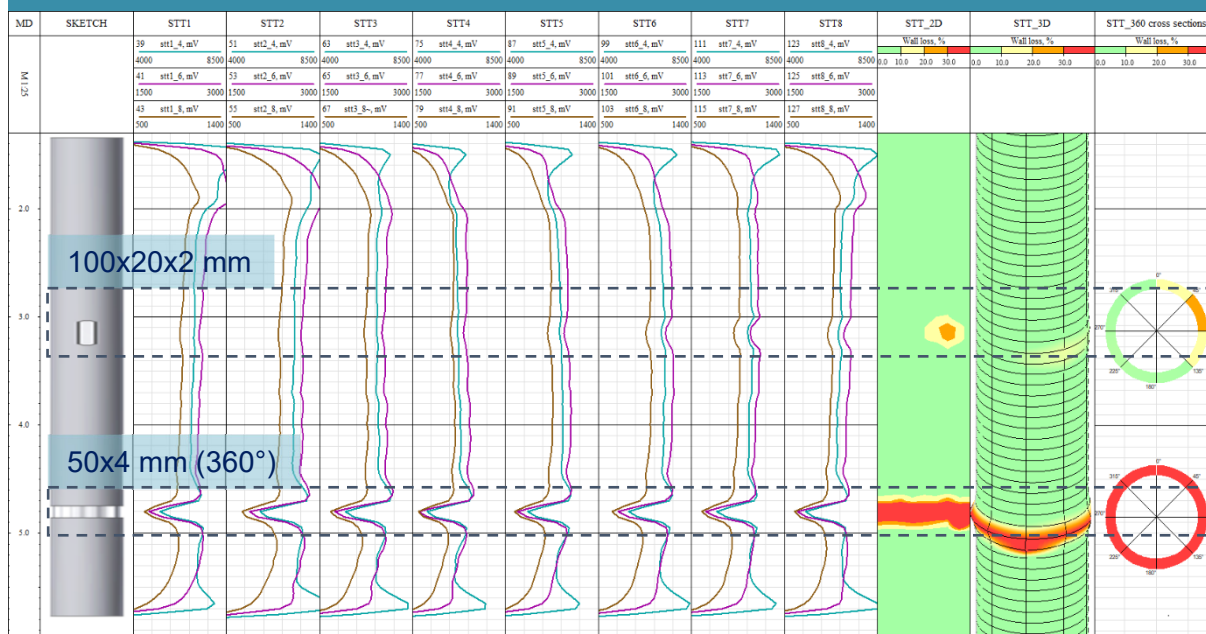
Minimum detectable hole size 1 <sup>st</sup> barrier	0.3"
Minimum detectable hole size 2 <sup>nd</sup> barrier	0.6"
Minimum detectable hole size 3 <sup>rd</sup> barrier	1.2"
Minimum detectable hole size 4 <sup>th</sup> barrier	1.5"
Number of oriented sondes	8
Number of integral sondes	2
Chrome pipes evaluation	Yes
Maximum temperature	150°C (304°F)
Maximum pressure	11,600 PSI (80 MPa)
Tool length	2.1 m (6.9 ft)
Tool weight	28.0 lbs (15.0 kg)
Tool diameter	1.9 in (48 mm)
Connections	15/16 SR
Housing material	SS
H <sub>2</sub> S resistance	25%
Fully autonomous / SRO tool	Both
Operational time in memory mode	50 hours



# SEGMENTED THICKNESS TOOL (STT)



## External tubing defects (grooves)



## Tubing through-wall defects (holes)

