

## SEGMENTED THICKNESS TOOL (STT)



The Segmented Thickness Tool (STT) is designed to assess metal loss of well tubular by analyzing decay of localized electromagnetic fields. It employs 8 miniature high-resolution sensors positioned around its circumference, providing a comprehensive 360° segmented evaluation of 2 first pipes integrity. Additional two long sondes of the tool evaluate pipes of the same well up to 4th barrier inclusive delivering circumferential average metal loss of 3rd and 4th barriers. The STT is the best suite for corrosion logging and leak detection, often used alongside the North Side FIND system.

### 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
- Ultimate well integrity evaluation if combined with FIND

### Tool Specifications

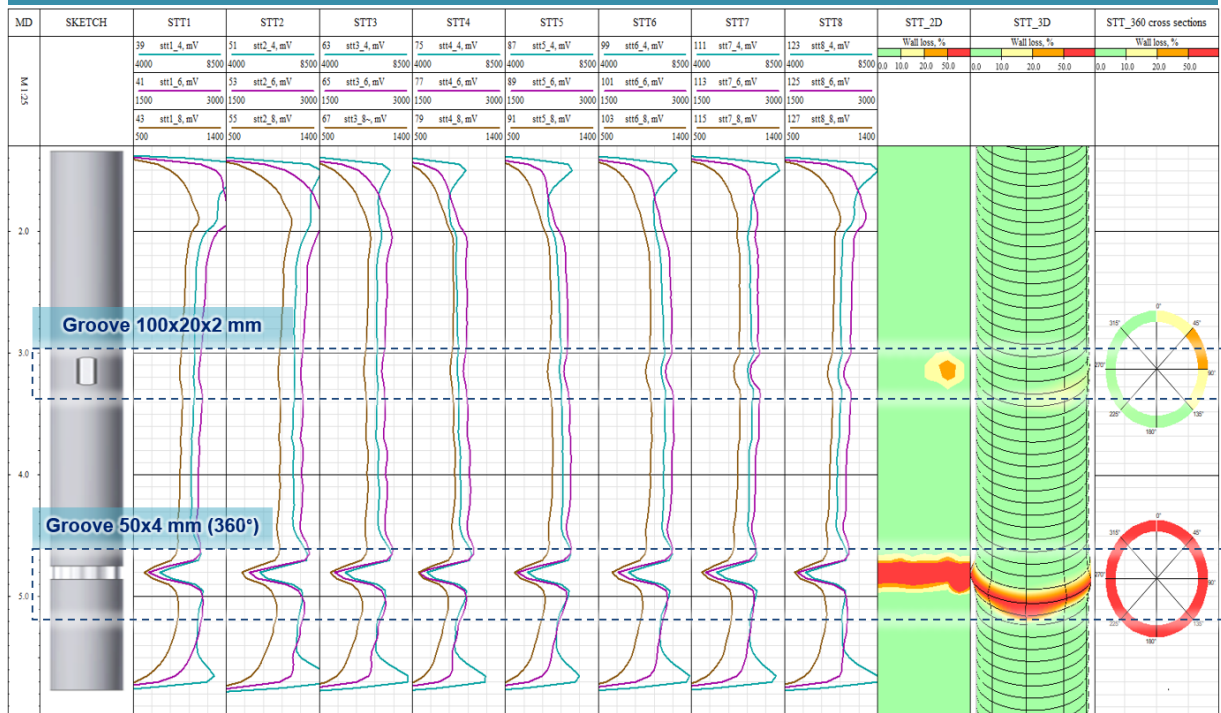
Minimum detectable hole size (1 <sup>st</sup> barrier)	0.3"
Number of sondes / sectors	8+2 / 8
Chrome pipes evaluation	Yes
Maximum temperature	150°C (304°F)
Maximum pressure	11,600 PSI (80 MPa)
Tool length	2.1 m (6.9 ft)
Tool weight	28.0 lbs (13.0 kg)
Tool diameter	1.9 in (48 mm)
Connections	15/16 SR
Housing material	SS
H <sub>2</sub> S resistance	25%
Fully autonomous / SRO tool	Both
Operational time in memory mode	50 hours
Internal memory	1 Gb



# SEGMENTED THICKNESS TOOL (STT)



## External tubing defects (grooves)



## Tubing through-wall defects (holes)

