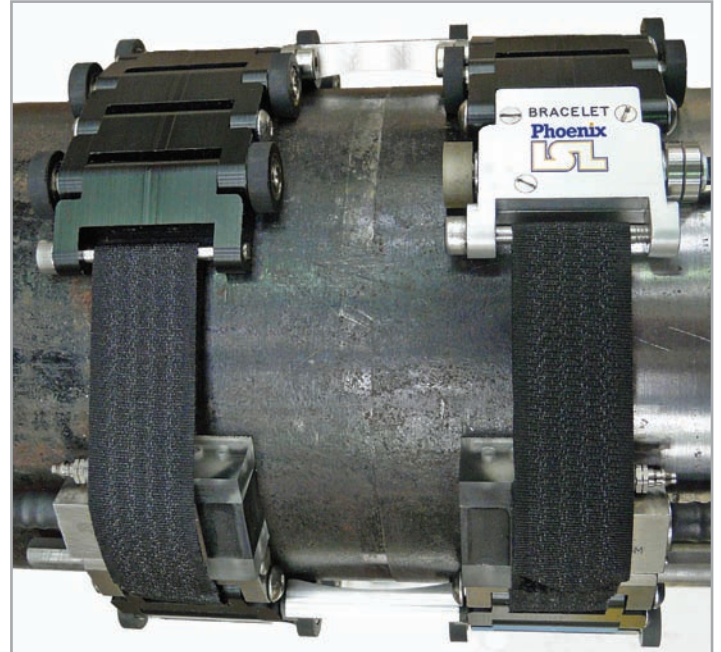


Bracelet

Small Bore Weld Scanner



Bracelet scanning a 2" pipe (5mm W/T) with a single phased array probe



Dual Bracelet configuration scanning double sided phased array on 4" pipe

Features

- For phased array or TOFD inspections
- Scans pipes ranging from 0.5" to 8" NPS
- Single or dual probe options
- Rubber wheels provide smooth circumferential movement around pipe
- Probes and wedges are easily inter-changeable
- Miniature sealed encoder provides 42 steps/mm
- Compatible with industry standard phased array probes and flaw detectors

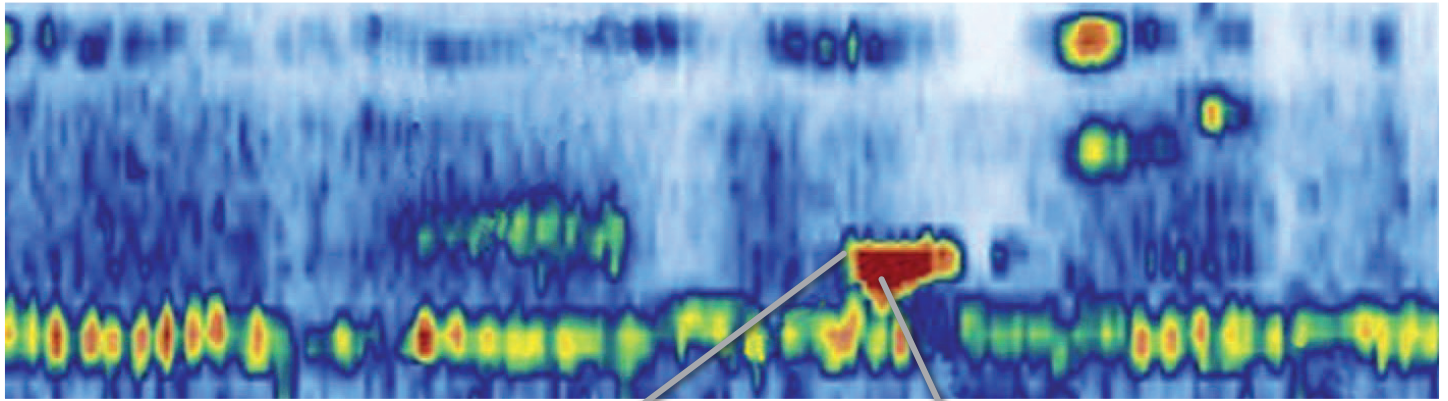
The Bracelet scanner is a low profile, small bore pipe scanner for use with ultrasonic phased array or TOFD probes. It can be configured to inspect pipes ranging from 0.5" to 8" nominal pipe size (NPS). The innovative design allows for speedy set ups between this range.

The scanner is compatible with a range of industry standard small phased array probes and instruments. The Bracelet can hold either one probe for single-sided inspection or be linked with a second probe for dual-sided inspections.

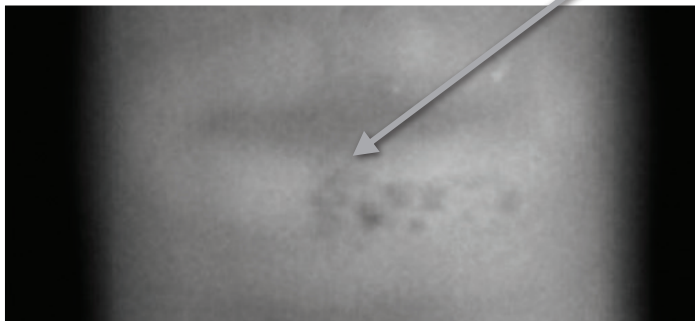
The scanner comprises a series of links to make a flexible chain which wraps around the pipe and a strap secures the Bracelet to the pipe once the axial position is established. The ultrasonic probe and profiled wedge are fixed to one end of the Bracelet in an adjustable clasp.

To scan, the Bracelet is rotated 360° around the pipe with the rubber tyres providing excellent axial grip to prevent any unwanted slippage. The miniature encoder unit is attached to the opposing end of the Bracelet with the encoder wheel running around the pipe surface collecting data from the circumferential axis.

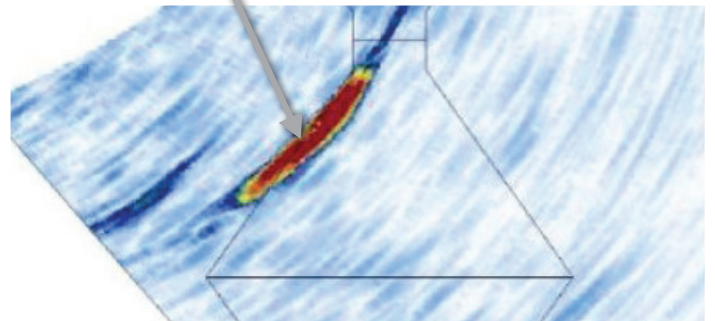
Phased array data collected using the Bracelet Scanner (compared with Radiography)



Smooth root data indicates minimal axial drift



Radiograph showing lack of fusion



PAUT S-Scan showing lack of fusion

Data courtesy of Oceaneering International Services Limited

Accessories

- Low profile phased array probes
- Low profile phased array wedges
- TBR Calibration Block
- TOFD probes
- TOFD wedges

Scan

For more information about Bracelet:



Standard Kit

- 1 x Bracelet scanner for use on 0.5" - 4" NPS
- 1 x Low profile phased array probe
- 1 x Sealed encoder with 2.5m cable
- 1 x Flat wedge
- 10 x Contoured irrigated wedges for use on 0.5" - 4" NPS
- Irrigation tubing and accessories
- Protective carry case

