



CLiP Weld Scanner

Chain Link Pipe Scanner



CLiP Weld scanner inspecting a 10" pipe

A lightweight manually operated modular scanner for corrosion mapping or circumferential weld inspection of pipes ranging from 4.5" to 48" OD.

The CLiP Weld scanner easily adjusts to different pipe sizes with secure clip-fastening chain links. These easily secure around a range of material types for fast efficient UT, TOFD and phased array inspections.

Benefits

- Modular design for conversion to alternative applications
- Adaptable to a wide range of pipe sizes from 4.5" to 48" OD (4 model sizes available)
- Fast adjustments between pipe sizes
- Inspects ferrous, non-ferrous and composite pipes with easy attachment chain links
- Quick setup for efficient inspections
- Chain link design maintains a straight circumferential path and eliminates steering issues
- Tool-free design features minimise kit requirement
- Compatible with OEM acquisition systems

Using low-profile chain links, rather than magnetic wheels, the CLiP Weld Scanner can be secured around ferrous, non-ferrous and composite pipes for ultrasonic testing (UT), Time of flight diffraction (TOFD), and phased array (PA) inspections.

The chain link design helps to keep the scanner placement on a straight circumferential path by eliminating steering issues. The links can also be utilised to rotate the scanner around the pipe, making inspections possible when obstructions limit movement or in areas with difficult access.



Circular Link Platform - CLiP

The new Circular Link Platform (CLiP) range are the latest scanning solutions designed and developed by Phoenix ISL. The range also includes:

- CLiP Corrosion Mapping scanner
- CLiP Nozzle scanner
- CLiP M-SKIP scanner

Features

- Standard configuration with two probes
- Precise PCS adjustments via lead screw
- Cable management incorporated through carriage
- Robust low-profile chain links
- Quick diameter changes with clip-fastening chain links
- Secure braking system
- Encoder for circumferential position
- Encoder resolution: Approx 60 counts/mm
- Holds upto four probes
- Tool-free adjustments throughout
- Low-profile lockable toolposts
- Lightweight aluminium construction
- Urethane rubber link wheels provide smooth rolling action (halogen-free: suitable for use in nuclear industry)
- Weight: 6kg (4.5 -12" configuration)
- Temperature range: 0° - 60°
- Dimensions: 582 mm x 265 mm

Accessories

- CLiP Corrosion Mapping Arm
- CLiP M-SKIP Conversion Kit
- CLiP Nozzle Inspection Kit
- Axial Encoder
- AE-CDS Couplant Delivery System



CLiP Weld Scanner Kit

- Scanner carriage
- Clip fastening chain links
- Encoder
- 2-4 Toolposts
- Irrigation tubing and accessories
- Protective carry case



Order Information

Order Code	Inspection Range (NPS)	No. Chain Links	No. Probes/Wedges
AE-CLIP1-4.5-12"	4.5" - 12"	10	2-4
AE-CLIP1-4.5-24"	4.5" - 24"	20	2-4
AE-CLIP1-4.5-36"	4.5" - 36"	30	2-4
AE-CLIP1-4.5-48"	4.5" - 48"	40	2-4

Specify when ordering, encoder termination and cable length required.

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