Dual Matrix Array Probes for Welds

4.0DM16×2S-1.0-3.0

2.25DM7×4S-2.71-3.0

Wedges

Superior Features

- Support transmit and receive longitudinal waves for inspecting welds in grainy materials.
- Better penetration and near-surface resolution.
- The "pseudo-focus effect" enables the adjustable focal area for wide coverage.
- Excellent focusing effect and signal-to-noise ratio.

Typical Applications

4.0DM16×2S-1.0-3.0

- Optimized for thinner and less attenuative austenitic materials.
- Recommended wall thickness: 6-40mm

2.25DM7×4S-2.71-3.0

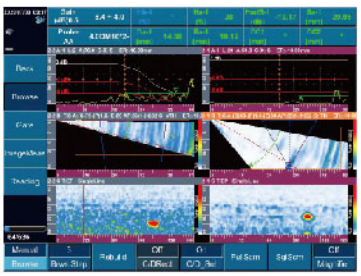
- Optimized for thicker and more attenuative austenitic materials.
- Recommended wall thickness: 40-90mm

Technical Specification

Probe Model	Frequency	Number of elements	Pitch	Active aperture	Housing Dimension for Single Core (mm)			Compatible Wedge
	MHz		mm	mm	L	W	H	
4.0DM16×2S-1.0-3.0	4.0	(16×2)×2	1.0×3.0	16×6	28.5	10	23.5	D16N80L3-FD15-I-(AOD-XX) D16N55L3-FD15-I-(AOD-XX)
2.25DM7×4S-2.71-3.0	2.25	(7×4)×2	2.71×3.0	19×12	33	16	30	D19N80L3-I-(AOD-XX) D19N70L3-I-(AOD-XX) D19N55L3-I-(AOD-XX)

Testing Results

- 4.0DM16×2S-1.0-3.0 probe for testing austenitic stainless steel with thickness 15mm



- 2.25DM7×4S-2.71-3.0 probe for testing austenitic stainless steel with thickness 40mm