Phased Array Transducers

DAAH 1B Series - Dual Linear Array

The new DAAH phased array Sonatest probe series are packaged in Dual Linear Array configuration to benefit from the low noise advantage of a Pitch & Catch design and the focussing and steering capabilities of the phased array beam forming (up to 32E). Paired with the Sonatest veo+ and high frequency probes up to 7.5MHz, it offers a unique high resolution solution for stainless steel on the market on both sides of the weld.

Frequent Applications

- Pressure vessels
- Austenitic stainless steel alloys
- Dissimilar welds
- Very attenuative material

Standard

- DAAH 1 Cable Connection
- 2m Cable
- Other cable lengths upon request

Probe Models

Part Number	Probe Description	Frequency	Number Elements	Elevation	Element Pitch	Aperture	External Dimensions		
		F		E	P	L	L	W	H
		(MHz)	Qty	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)
D1B-001	D1B-2.25M20E-1.2x12	2.25	20	12	1.2	24	44	17.6	14.7
D1B-002	D1B-5M32E-0.8x12	5	32	12	0.8	25.6	44	17.6	14.7
D1B-003	D1B-7.5M44E-0.6x12	7.5	44	12	0.6	26.4	44	17.6	14.7

Wedge Models

Part Number	Wedge Description	Wave Type	Angle Steel	Cut Angle	Roof Angle	Focal Distance	Length (L)	Width (W)	Front Height (H1)	Back Height (H2)
		LW/SW	(°)	(°)	(°)	(mm)	(mm)	(mm)	(mm)	(mm)
D1BW-006	D1BW-2N45L-FD25-IHC	L	45	17	7.6°	25	50	45	20.5	4
D1BW-007	D1BW-2N45L-FD50-IHC	L	45	17	4.1°	50	50	45	17.6	4
D1BW-008	D1BW-2N45L-FD75-IHC	L	45	17	3.0°	75	50	45	18.8	4