



# Phased Array Transducers

## DAAH 1A Series - High Performance

Being compact but with a fairly large elevation design, the D1A series offers deep penetration, high signal-to-noise ratio (SNR), large steering and precise focussing performances to solve the most demanding inspection challenges. D1A offers a wide range of SW and LW wedges to compliment the D1A probes.

### Frequent Applications

- General & critical welds (butt, T and corner joints)
- Castings, bars & billets
- Structural component (large pins)
- Shaft, casting, bars & billets
- Flanges
- Automotive parts
- Machined parts

### 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)
D1A-001	D1A-2.25M20E-1.2x12	2.25	20	12	1.2	24	32	29.3	14.7
D1A-002	D1A-5M32E-0.8x12	5	32	12	0.8	25.6	32	29.3	14.7
D1A-003	D1A-7.5M44E-0.6x12	7.5	44	12	0.6	26.4	32	29.3	14.7
D1A-004	D1A-2.25M20EHF-1.2x12	2.25	20 (Hardface)	12	1.2	24	32	29.3	14.7
D1A-005	D1A-5M32EHF-0.8x12	5	32 (Hardface)	12	0.8	25.6	32	29.3	14.7
D1A-006	D1A-7.5M44EHF-0.6x12	7.5	44 (Hardface)	12	0.6	26.4	32	29.3	14.7

### Wedge Models

Part Number	Wedge Description	Wave Type	Angle Steel	Cut Angle	Delay Line	Length (L)	Width (W)	Front Height (H1)	Back Height (H2)
		LW/SW	(°)	(°)	(mm)	(mm)	(mm)	(mm)	(mm)
D1AW-001	D1AW-0L12.7	L	0	0	12.7	42	30	12.7	12.7
D1AW-002	D1AW-0L25.4	L	0	0	25.4	42	30	25.4	25.4
D1AW-004	D1AW-N57S	S	57	37	0	48.6	31.9	27.2	6.1
D1AW-005	D1AW-N48L	L	48	17	0	40.2	29.2	4.5	14.7
D1AW-101	D1AW-N57S-114COD-IHC	S	57	37	0	48.6	31.75	33	13.4
D1AW-102	D1AW-N57S-141COD-IHC	S	57	37	0	48.6	31.75	33	13.4
D1AW-103	D1AW-N57S-273COD-IHC	S	57	37	0	48.6	31.75	30.5	10.5
D1AW-105	D1AW-N57S-324COD-IHC	S	57	37	0	48.6	31.75	30.5	10.5
D1AW-105	D1AW-N57S-508COD-IHC	S	57	37	0	48.6	31.75	28.8	8.5
D1AW-106	D1AW-N57S-1067COD-IHC	S	57	37	0	48.6	31.75	28.8	8.5