

Phased Array Probes

DAAH 1A

Features

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

Frequent Applications

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



Product code	Probe Description	Frequency (MHz)	Number Elements (QTY)	Elevation E (mm)	Element Pitch P (mm)	Aperture L (mm)
DA1-001	D1A-2.25M20E-1.2x12	2.25	20	12	1.2	24
D1A-002	D1A-5M32E-0.8x12	5	32	12	0.8	25.6
D1A-003	D1A-7.5M44E-0.6x12	7.5	44	12	0.6	26.4
D1A-004	D1A-2.25M20EHF-1.2x12	2.25	20 (Hardface)	12	1.2	24
D1A-005	D1A-5M32EHF-0.8x12	5	32 (Hardface)	12	0.8	25.6
D1A-006	D1A-7.5M44EHF-0.6x12	7.5	44 (Hardface)	12	0.6	26.4

Case Dimensions (mm)		
A	B	C
32	29.3	14.7

Wedge	Wedge Description	Wave Type (LW/SW)	Angle Steel	Cut Angle	Delay Line (mm)	Length (L)	Width (W)	Front Height (H1)	Back Height (H2)
			(°)	(°)	(mm)	(mm)	(mm)	(mm)	(mm)
D1AW-001	D1AW-0L12.7	L	0	0	12.7	42	31.8	12.7	12.7
D1AW-002	D1AW-0L25.4	L	0	0	25.4	42	31.8	25.4	25.4
D1AW-004	D1AW-N57S	S	57	37	0	48.6	31.8	27.2	6.1
D1AW-005	D1AW-N48L	L	48	17	0	40.2	31.8	4.5	14.7
D1AW-006	D1AW-0L12.7 - IHC Wedge	L	0	0	12.7	46	31.8	12.7	12.7
D1AW-007	D1AW-0L25.4 - IHC Wedge	L	0	0	25.4	46	31.8	25.4	25.4
D1AW-009	D1AW-N57S - IHC Wedge	S	57	37	0	48.6	31.8	27.2	6.1
D1AW-010	D1AW-N48L - IHC Wedge	L	48	17	0	40	31.8	25.3	15.4
D1AW-011	D1AW-N45S - IHC Wedge	S	45	31	0	56	31.8	33.56	12
D1AW-101	D1AW-N57S-114COD-IHC	S	57	37	0	42	31.8	33	13.4
D1AW-102	D1AW-N57S-141COD-IHC	S	57	37	0	42	31.8	33	13.4
D1AW-103	D1AW-N57S-273COD-IHC	S	57	37	0	42	31.8	30.5	10.5
D1AW-105	D1AW-N57S-324COD-IHC	S	57	37	0	42	31.8	30.5	10.5
D1AW-105	D1AW-N57S-508COD-IHC	S	57	37	0	42	31.8	28.8	8.5
D1AW-106	D1AW-N57S-1067COD-IHC	S	57	37	0	42	31.8	28.8	8.5

DAAH 1B



Features

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

Frequent Applications

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

Product code	Probe Description	Frequency (MHz)	Number Elements (QTY)	Elevation E (mm)	Element Pitch P (mm)	Aperture L (mm)
D1B-001	D1B-2.25M20E-1.2x12	2.25	20	12	1.2	24
D1B-002	D1B-5M32E-0.8x12	5	32	12	0.8	25.6
D1B-003	D1B-7.5M44E-0.6x12	7.5	44	12	0.6	26.4

Case Dimensions (mm)		
A	B	C
44	17.6	14.7

Wedge	Wedge Description	Wave Type (LW/SW)	Angle Steel (°)	Cut Angle (°)	Delay Line (mm)	Length (L) (mm)	Width (W) (mm)	Front Height (H1) (mm)	Back Height (H2) (mm)
D1BW-006	D1BW-2N45L-FD25-IHC	L	45	17	7.6	50	45	20.5	4
D1BW-007	D1BW-2N45L-FD50-IHC	L	45	17	4.1	50	45	17.6	4
D1BW-008	D1BW-2N45L-FD75-IHC	L	45	17	3	50	45	18.8	4
D1BW-004	D1BW-2N45L-FD15-IHC	L	45	17	-	50	45	22.6	4
D1BW-005	D1BW-2N45L-FC20-IHC	L	45	17	-	50	45	22.1	4

DAAH 1Z



Features

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

Frequent Applications

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

Product code	Probe Description	Frequency (MHz)	Number Elements (QTY)	Elevation E (mm)	Element Pitch P (mm)	Aperture L (mm)
D1Z-001	D1Z-2.25M19E-N48L-1.2x12	2.25	19	12	1.2	22.8
D1z-002	D1Z-2.25M14E-N53S-1.2x12	2.25	14	12	1.2	16.8
D1Z-003	D1Z-5M26E-N48L-0.8x12	5	26	12	0.8	20.8
D1Z-004	D1Z-5M22E-N53S-0.8x12	5	22	12	0.8	17.6
D1Z-005	D1Z-7.5M40E-N48L-0.6x12	7.5	40	12	0.6	24
D1Z-006	D1Z-7.5M30E-N53S-0.6x12	7.5	30	12	0.6	18

Case Dimensions (mm)		
A	B	C
33.8	17.6	22.6
34.1	17.6	27.5
33.8	17.6	22.6
34.1	17.6	27.5
33.8	17.6	22.6
34.1	17.6	27.5

DAAH 5A



Features

- DAAH 5 Cable Connection.
- 2m Cable.
- Other cable lengths upon request.

Frequent Applications

- Aerospace parts (large composite)
- Large aluminium plates (delaminations)
- Corrosion, blistering & thickness mapping
- Critical Welds of thick material

Product code	Probe Description	Frequency (MHz)	Number Elements (QTY)	Elevation E (mm)	Element Pitch P (mm)	Aperture L (mm)
D5A-001	D5A-5M64E-0.8x12	5	64	12	0.8	51.2

Case Dimensions (mm)		
A	B	C
60	29.2	20.6

Wedge	Wedge Description	Wave Type (LW/SW)	Angle Steel (°)	Cut Angle (°)	Delay Line (mm)	Length (L) (mm)	Width (W) (mm)	Front Height (H1) (mm)	Back Height (H2) (mm)
D5AW-001	D5AW-0L12.7	L	0	0	12.7	80	30	12.7	12.7
D5AW-002	D5AW-0L25.4	L	0	0	25.4	80	30	25.4	25.4
D5AW-003	D5AW-0L12.7-IHC	L	0	0	12.7	80	30	12.7	12.7
D5AW-004	D5AW-0L25.4-IHC	L	0	0	25.4	80	30	25.4	25.4
D5AW-005	D5AW-N53S	S	57	37	0	109	32.2	59	16
D5AW-006	D5AW-N53S-IHC	S	57	37	0	*	*	*	*

* Dimensions on demand