

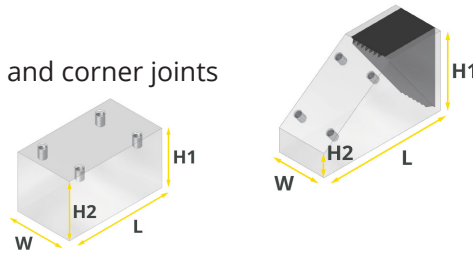
Phased Array Transducers

X3 Series - Sectorial & Linear Scan

With similar acoustic specifications as the X2 series but with more elements (up to 64E), the X3 series is optimum to perform both sectorial (SScan) and linear scan (LScan or electronic scan) within the same probe. This makes the X3 series the perfect choice for thick weld inspection solutions or to perform a fairly large linear scan at 0° for applications such as composite inspections, blistering and corrosion mapping solutions.

Frequent Applications

- General critical welds (butt, T and corner joints)
- Castings
- Flanges
- Automotive parts
- Machined parts



Standard

- Quick I-PEX Connector (QX)
- Quick I-PEX Bracket
- 2.5m Cable
- Other cable lengths upon request

Probe Models									
Part Number	Probe Description	Frequency	Number Elements	Elevation	Element Pitch	Aperture	External Dimensions		
		F (MHz)	Qty	E (mm)	P (mm)	L (mm)	L (mm)	W (mm)	H (mm)
X3A-001	X3A-2.25M48E-0.8x10-SQX2.5	2.25	48	10	0.8	38.4	45	23	20
X3A-002	X3A-3.5M64E-0.6x10-SQX2.5	3.5	64	10	0.6	38.4	45	23	20
X3A-003	X3A-5M64E-0.6x10-SQX2.5	5	64	10	0.6	38.4	45	23	20
X3A-004	X3A-10M64E-0.6x7-SQX2.5	10	64	7	0.6	38.4	45	23	20

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)
X3AW-001	X3AW-0L25	L			25	45.0	25.0	25.0	25.0
X3AW-002	X3AW-N45S	S	45	31		65.0	25.0	41.0	16.7
X3AW-003	X3AW-N55S	S	55	36		65.0	25.0	38.6	11.7
X3AW-004	X3AW-N60S	S	60	39		65.0	25.0	36.3	7.5
X3AW-005	X3AW-N45L	L	45	16		65.0	25.0	34.4	21.0
X3AW-006	X3AW-N60L	L	60	20		65.0	25.0	43.0	25.0

X3-Glider - Compact Linear Scan

With an acoustic array packing up to 64 elements, the X3-Glider is optimum to perform ultrasonic linear scan (LScan or electronic scan) over a small to large area. Thanks to its soft and replaceable rubber wedge construction, it will also conform to irregular surfaces making the X3-Glider the perfect choice for composite inspection applications.

Frequent Applications - X3 Glide

- Aerospace parts (composite)
- Aluminium plates (delaminations)
- Corrosion, blistering & thickness mapping



Wedge Models									
X3 Glider - Compact Linear Scan									
X3AG-001	X3AG-0L25	L	0		25	66	34.1	25.0	25.0