

# Sirius Transducer Range

The Sirius Transducer Range is a comprehensive collection of shear and compression wave probes, which include single and dual element probes in 0° and angle beams. This range has been specifically assembled to address the inspection criteria demanded throughout Europe and ROW (excluding USA).

These transducers are offered in European style metal cases with LEMO connectors. The transducer elements are available in standard metric sizes and in frequencies of 2 and 4 MHz. Probe face options include acrylic shoes with metal wear rings for dual and angle beam probes and ceramic and protective membrane faces for single element 0° probes. Possession of a complete set of Sirius transducers would therefore permit a large range of manual inspections to be performed.

## Sirius - Small Angle Beam Shear Wave

### Features

- Single angle beam shear wave contact probe.
- Rectangular, lead zirconate titanate crystal.
- Medium damped for medium bandwidth.
- European Standard transducer.



Transducer Models				
type	f	Θ	a × b	N
p/n	(MHz)	(°)	(mm)	(mm)
SMA2-45	2	45	8 × 9	15
SMA2-60	2	60	8 × 9	15
SMA2-70	2	70	8 × 9	17
SMA4-45	4	45	8 × 9	30
SMA4-60	4	60	8 × 9	30
SMA4-70	4	70	8 × 9	30

### Frequent Applications

- Castings
- Ceramics
- Forgings
- Machined Parts
- Tube & Pipe
- General Welds

Size Options			Connector Options											
Probe Size (mm)	Case Dimensions (mm)			Connector Type							Connector Position			
	A	B	C	BNC (B)	Lemo 1 (L)	Lemo 00 (Z)	Microdot (D)	Subvis (S)	UHF (U)	Top (T)	Rear (R)	Side	Cable	
8 × 9	24.0	15.0	22.0	-	-	•	-	-	-	-	•	-	-	