



**Sonatest**

Inspect with confidence

**TRANSDUCER CATALOGUE**



# MMA

## Medium, Angle Beam Shear Wave Transducers

### Features

- Single angle beam shear wave contact transducer
- Rectangular, lead zirconate titanate crystal
- Max operating temperature 50°C / 120°F
- High temperature option available
- Medium damped for medium bandwidth

### Common Applications

- General Welds
- Tube & Pipe
- Forgings
- Castings



ANGLE BEAMS

Transducer Models					
Product Code	Description	Angle in Steel (°)	Frequency (MHz)	Crystal Diameter (mm / Inches)	Nearfield Length in Steel (mm / Inches)
MMA1-45	Single Shear 1Mhz 45°	45.0	1	14 x 16mm / 0.551 x 0.63"	19.8mm / 0.78"
MMA1-60	Single Shear 1 Mhz 60°	60.0	1	14 x 16mm / 0.551 x 0.63"	19.8mm / 0.78"
MMA1-70	Single Shear 1Mhz 70°	70.0	1	14 x 16mm / 0.551 x 0.63"	19.8mm / 0.78"
MMA2-38	Single Shear 2Mhz 38°	38.0	2	14 x 16mm / 0.551 x 0.63"	79.3mm / 3.122"
MMA2-45	Single Shear 2Mhz 45°	45.0	2	14 x 16mm / 0.551 x 0.63"	39.6mm / 1.559"
MMA2-60	Single Shear 2Mhz 60°	60.0	2	14 x 16mm / 0.551 x 0.63"	39.6mm / 1.559"
MMA2-70	Single Shear 2Mhz 70°	70.0	2	14 x 16mm / 0.551 x 0.63"	39.6mm / 1.559"
MMA4-45	Single Shear 4Mhz 45°	45.0	4	14 x 16mm / 0.551 x 0.63"	79.3mm / 3.122"
MMA4-60	Single Shear 4Mhz 60°	60.0	4	14 x 16mm / 0.551 x 0.63"	79.3mm / 3.122"
MMA4-70	Single Shear 4Mhz 70°	70.0	4	14 x 16mm / 0.551 x 0.63"	79.3mm / 3.122"

Case Dimensions and Details				
Width/Diameter (mm / Inches)	Height (mm / Inches)	Length (mm / Inches)	Connector Options	Position Options
22mm / 0.866"	29mm / 1.142"	41mm / 1.614"	Z D S	Side

