



Ultrasonic angle probes

Application

The range of application is very wide. Probes can be used for testing the entire range of materials from steel and other metallic materials to non-metallic and composites.

Exemplary usages of these probes are: testing of forging, rolled materials, examination of shafts and axles.

We are making all standard kinds of angle probes for longitudinal, transverse and surface waves.

All probes can be made in a standard manner or customized to the customer specific requirements.

Probes can be supplied with the water-coupling wedge or without it in casings made of: aluminum (blacken), brass, stainless steel, teflon, plastic or other requested material.

Probes can be delivered with LEMO or BNC connector. Other connectors are also available upon request.

Delivered probes has manufacturer certificate with specified acoustic probe parameters.

Probes are in accordance with CE certificate.

Probe symbols:

Probe marked as 4T45 9x10 and U03042 has:

- frequency 4 MHz,
- type of ultrasonic wave T-transverse,
- beam angle 45 degrees,
- transducer diameter 9x10 mm,
- U03042 manufacturer symbol and serial number.

Standard angle probes (underlined - most commonly used):

2T45 9x10	3T45 9x10	4T45 7x7	5T45 7x7
2T45 15x15	3T45 12x12	4T45 9x10	5T45 9x10
<u>2T70 9x10</u>	<u>3T70 9x10</u>	<u>4T70 7x7</u>	<u>5T70 7x7</u>
<u>2T70 15x15</u>	<u>3T70 12x12</u>	<u>4T70 9x10</u>	<u>5T70 9x10</u>

Probe acoustical parameters:

- frequency,
- Type of ultrasonic wave,
- beam angle,
- transducer dimensions,
- offset,
- near field length,
- Relative probe sensitivity,
- effective transducer dimensions.