



Ultrasonic normal Probes

Application

The most commonly used probes in the industry. Its are designed for testing: steels, ceramics, synthetic fibre, composites and others.

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

We are making all standard kinds of normal probes for longitudinal 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.

Probe symbols:

Probe marked as 4L020 and U03042 has:

- frequency 4 MHz,
- type of ultrasonic wave L-longitudinal,
- testing angle 0 degrees (perpendicularly to the tested surface),
- transducer diameter 20 mm,
- U03042 manufacturer symbol and serial number.

Standard normal probes (underlined - most commonly used):

0.5L030	2L010	3L010	<u>4L07</u>	<u>5L07</u>	<u>6L07</u>
<u>1L020</u>	<u>2L012</u>	<u>3L012</u>	<u>4L010</u>	<u>5L010</u>	<u>6L010</u>
1L026	<u>2L020</u>	<u>3L020</u>	<u>4L012</u>	<u>5L012</u>	<u>6L012</u>
1L036	2L026		4L020		

Probe acoustical parameters:

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