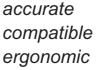
# ANGLE PROBES

non-destructive testing of welds with ultrasound









# **SONOSCAN** probes for non-destructive testing of welds





The new angle probes for non-destructive material testing of the angle probe series SONOSCAN check metals for cracks and inclusions. They are mainly used for weld inspection. The ultrasonic probes detect critical defects i.e. discontinuities and quality deficiencies of welds. The SONOSCAN probes are effective ultrasonic converters, which were adapted to the common mobile ultrasonic testing equipment.

Inside the angle probes there is a transducer, which is able to emit ultrasonic transverse waves in a specific angle to the workpart via a forward wedge. The angle probes guarantee an optimized usage owing to variable types of construction and sizes.

It is possible to adapt to curved surfaces i.e. adaptation to different pipe forms through seat grinding of the probes.

Thus the DIN EN 1714 standard regarding non-destructive testing of welds can be well achieved.

The unique and beneficial ergonomic shape of the angle probes enables a comfortable and a handy usage.

## Advantages

- Excellent acoustic characteristics
- Compatibility to common ultrasonic testing equipment
- Unique ergonomics and fatigueproof, handy usage
- Possibility to realize customized solutions







The precise ultrasonic probes are manufactured in two different types of construction. They can be chosen according to the angle, the frequencies and the size of transducers for different material thicknesses as well as spatial conditions. There is the possibility to realize customized solutions besides the two mentioned standardized types of construction.

### **Technical data**

Large type of construction:

WL 45-2 (45°| 2MHz| 20x22mm)

Art. Nr. 100 01 0176

WL 60-2 (60°| 2MHz| 20x22mm)

Art. Nr. 100 01 0177

WL 70-2 (70°| 2MHz| 20x22mm)

Art. Nr. 100 01 0178

Small type of construction:

WS 45-2 (45°| 2MHz| 8x9mm)

Art. Nr. 100 01 0170

WS 60-2 (60°| 2MHz| 8x9mm)

Art. Nr. 100 01 0171

WS 70-2 (70°| 2MHz| 8x9mm)

Art. Nr. 100 01 0172

WS 45-4 (45°| 4MHz| 8x9mm)

Art. Nr. 100 01 0173

WS 60-4 (60°| 4MHz| 8x9mm)

Art. Nr. 100 01 0174

WS 70-4 (70°| 4MHz| 8x9mm)

Art. Nr. 100 01 0175

Coupling medium: oil, paste, gel

Connections: Lemo 1S (WL)

Lemo 00 (WS)

Opt. accessories: connection cable

Further types of construction are available on request.

#### SONOTEC

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