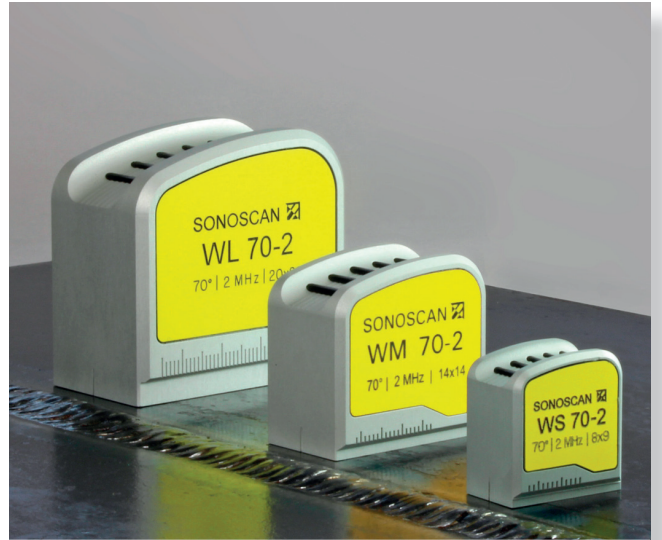


# ANGLE BEAM PROBES

*Non-Destructive Testing of Welds with Ultrasound*



**SONOSCAN**

**SONOTEC** 

*Ergonomic Design  
High Sensitivity  
Made in Germany*

# SONOSCAN Probes for Non-Destructive Testing of Welds



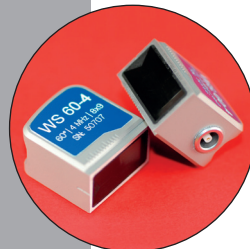
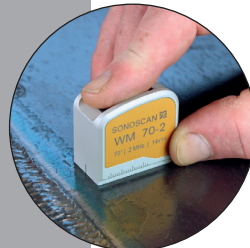
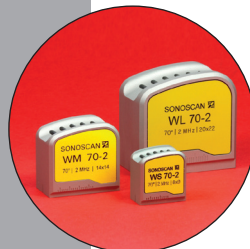
The SONOSCAN series angle beam probes for non-destructive material testing detect even smallest discontinuities and quality failures such as cracks, incomplete fusions, blowholes or inclusions. All SONOSCAN probes are compatible with the new flaw detector SONOSCREEN ST10 and other common ultrasonic testing equipment.

During the testing process, the transducer transmits ultrasonic waves through an integrated wedge into the test object. Typical incident angles are 45°, 60° and 70°. There exist several construction types and sizes for various applications. By individual grinding, the probes can be adapted to differently curved surfaces.

Due to the high quality of the angle beam probes, the EN 12668-2 standard can easily be achieved. Their unique and ergonomic design allows comfortable and fatigue proof testing.

## Advantages

- Excellent acoustic characteristics
- EN 12668-2 certified
- Unique ergonomics and fatigue-proof, handy usage
- Realization of customized solutions possible



The high precision SONOSCAN probes are manufactured in three different construction types. They can be selected according to their angle, frequency, transducer size and environmental conditions. In addition to standard probes, customer specific solutions can be realized.

## Technical Data

### Small type of construction: 8 x 9 mm 2 MHz

WS 45-2 (45°)	Art. Nr. 100 01 0170
WS 60-2 (60°)	Art. Nr. 100 01 0171
WS 70-2 (70°)	Art. Nr. 100 01 0172

### 4 MHz

WS 45-4 (45°)	Art. Nr. 100 01 0173
WS 60-4 (60°)	Art. Nr. 100 01 0174
WS 70-4 (70°)	Art. Nr. 100 01 0175

### Middle type of construction: 14 x 14 mm 2 MHz

WM 45-2 (45°)	Art. Nr. 100 02 0012
WM 60-2 (60°)	Art. Nr. 100 02 0013
WM 70-2 (70°)	Art. Nr. 100 02 0014

### Large type of construction: 20 x 22 mm 2 MHz

WL 45-2 (45°)	Art. Nr. 100 01 0176
WL 60-2 (60°)	Art. Nr. 100 01 0177
WL 70-2 (70°)	Art. Nr. 100 01 0178

**Coupling medium:** Oil, paste, gel  
**Connections:** Lemo 00 (WS, WM)  
 Lemo 1S (WL)

**Opt. accessories:** Connection cable

SONOTEC preserves the right to change technical specifications without further notice. (Rev. 3.0 / 2013-09-05)

