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Non-destructive testing - Ultrasonic testing - Vocabulary (ISO 5577:2025)

Táto norma obsahuje anglickú verziu európskej normy.  
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 01/26

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## Non-destructive testing - Ultrasonic testing - Vocabulary (ISO 5577:2025)

Essais non destructifs - Contrôle par ultrasons -  
Vocabulaire (ISO 5577:2025)

Zerstörungsfreie Prüfung - Ultraschallprüfung -  
Begriffe (ISO 5577:2025)

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**EN ISO 5577:2025 (E)**

<b>Contents</b>	<b>Page</b>
<b>European foreword.....</b>	<b>3</b>

## **European foreword**

This document (EN ISO 5577:2025) has been prepared by Technical Committee ISO/TC 135 "Non-destructive testing " in collaboration with Technical Committee CEN/TC 138 "Non-destructive testing" the secretariat of which is held by AFNOR.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by April 2026, and conflicting national standards shall be withdrawn at the latest by April 2026.

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# International Standard

**ISO 5577**

## **Non-destructive testing — Ultrasonic testing — Vocabulary**

*Essais non destructifs — Contrôle par ultrasons — Vocabulaire*

**Third edition  
2025-09**

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**ISO 5577:2025(en)****Contents**

Page

<b>Foreword</b> .....	<b>iv</b>
<b>1 Scope</b> .....	<b>1</b>
<b>2 Normative references</b> .....	<b>1</b>
<b>3 Terms and definitions</b> .....	<b>1</b>
<b>4 Terms related to frequencies, waves and pulses</b> .....	<b>1</b>
4.1 Frequencies.....	1
4.2 Waves and pulses.....	3
4.3 Types of ultrasonic waves.....	5
<b>5 Terms related to sound</b> .....	<b>6</b>
5.1 Sound generation and reception.....	6
5.2 Sound propagation.....	7
5.3 Loss of sound pressure.....	10
5.4 Ultrasonic waves at interfaces.....	10
<b>6 Terms related to test equipment</b> .....	<b>14</b>
6.1 Instrument.....	14
6.2 Probes.....	16
6.3 Combined test equipment.....	23
6.4 Instrument setting, reference blocks and test blocks.....	24
<b>7 Terms related to ultrasonic testing</b> .....	<b>25</b>
7.1 Testing techniques.....	25
7.2 Test object.....	30
7.3 Coupling.....	32
7.4 Reflectors.....	32
7.5 Signals and indications.....	33
7.6 Presentations.....	35
7.7 Location.....	39
7.8 Evaluation of indications.....	41
<b>Bibliography</b> .....	<b>44</b>
<b>Index</b> .....	<b>45</b>

**ISO 5577:2025(en)****Foreword**

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This document was prepared by Technical Committee ISO/TC 135, *Non-destructive testing*, Subcommittee SC 3, *Ultrasonic testing*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 138, *Non-destructive testing*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This third edition cancels and replaces the second edition (ISO 5577:2017), which has been technically revised.

The main changes are as follows:

- terms pulse overshoot, main lobe, main beam, side lobe, diffraction, contact surface, echo amplitude, signal amplitude, and full screen height have been added;
- the term "plate wave" was replaced by "Lamb wave";
- some definitions and figures have been revised.

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# **Non-destructive testing — Ultrasonic testing — Vocabulary**

## **1 Scope**

This document defines the terms used in ultrasonic non-destructive testing and forms a common basis for standards and general use.

This document does not cover specific terms used in ultrasonic testing with arrays.

NOTE Terms used in ultrasonic testing with arrays are defined in ISO 23243.

## **2 Normative references**

There are no normative references in this document.

**koniec náhľadu – text ďalej pokračuje v platenej verzii STN**