

ISO 16826:2025-03 (E)

Non-destructive testing - Ultrasonic testing - Testing for discontinuities perpendicular to the surface

Contents

Page

- Foreword..... iv
- Introduction..... v
- 1 Scope..... 1
- 2 Normative references..... 1
- 3 Terms and definitions..... 1
- 4 Test equipment and test personnel..... 1
- 5 Tandem technique..... 2
 - 5.1 General..... 2
 - 5.2 Probe movement..... 3
 - 5.3 Time base setting..... 3
 - 5.4 Sensitivity setting..... 3
 - 5.5 Determination of test zones..... 4
 - 5.6 Depth-gain diagram for tandem technique..... 5
 - 5.7 Corrections of sensitivity..... 6
 - 5.8 Test objects with concentric surfaces..... 6
 - 5.8.1 General..... 6
 - 5.8.2 Scanning on a concave surface..... 7
 - 5.8.3 Scanning on a convex surface..... 7
- 6 Longitudinal-longitudinal-transverse wave technique..... 8
 - 6.1 General..... 8
 - 6.2 Time base setting and determination of depth of a discontinuity..... 9
 - 6.3 Sensitivity setting..... 10
 - 6.4 Determination of the depth of the intersection of the beam axes..... 10
 - 6.5 Sensitivity diagram for LLT technique..... 11
 - 6.6 Correction of sensitivity..... 11
- Annex A (informative) Nomograms for tandem distances for convex and concave surfaces..... 12
- Bibliography..... 15