

DIN EN ISO 16826:2025-06 (E)

Non-destructive testing - Ultrasonic testing - Testing for discontinuities perpendicular to the surface (ISO 16826:2025)

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