

DIN EN ISO 14577-3:2026-08 (E)

Metallic materials - Instrumented indentation test for hardness and materials parameters - Part 3: Calibration of reference blocks (ISO 14577-3:2026)

Contents

Page

Foreword.....	iv
Introduction.....	v
1 Scope.....	1
2 Normative references.....	1
3 Terms and definitions.....	1
4 Manufacture of reference blocks.....	1
5 Calibrating machine.....	2
5.1 General.....	2
5.2 Calibration of the test force.....	3
5.3 Verification of the indenter.....	3
5.3.1 General.....	3
5.3.2 Vickers indenter.....	3
5.3.3 Berkovich, modified Berkovich and corner cube indenters.....	4
5.3.4 Ball indenters, and spheroconical indenters.....	4
5.4 Calibration of the displacement measuring device.....	4
5.5 Testing cycle requirements.....	5
6 Calibration procedure.....	5
7 Number of indentations.....	6
8 Uniformity of the reference blocks.....	6
9 Marking.....	7
10 Validity.....	8
Annex A (informative) Example procedure for measuring elasticity of reference materials with pulse echo method with traceability.....	9
Bibliography.....	11