

DIN EN ISO 14577-3:2015-11 (E)

Metallic materials - Instrumented indentation test for hardness and materials parameters - Part 3: Calibration of reference blocks (ISO 14577-3:2015)

Contents		Page
European foreword		3
Introduction		4
1	Scope	5
2	Normative references	5
3	Manufacture of reference blocks	5
4	Calibrating machine	6
4.1	General	6
4.2	Calibration of the test force	6
4.3	Verification of the indenter	7
4.3.1	General	7
4.3.2	Vickers indenter	7
4.3.3	Berkovich, modified Berkovich, corner cube indenters, hardmetal ball indenters, and spherical tipped conical indenters	8
4.4	Calibration of the displacement measuring device	8
4.5	Verification of the testing cycle	9
5	Calibration procedure	9
6	Number of indentations	9
7	Uniformity of the reference blocks	9
8	Marking	10
9	Validity	11
Bibliography		12