

ISO 14577-5:2022-10 (E)

Metallic materials - Instrumented indentation test for hardness and materials parameters - Part 5: Linear elastic dynamic instrumented indentation testing (DIIT)

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Normative references	1
3	Terms, definitions and symbols	1
3.1	Terms and definitions	1
3.2	Symbols	2
4	Principle	2
5	Testing machine	3
6	Procedure of data evaluation and determination of materials parameter	4
6.1	General	4
6.2	Determination of dynamic indentation hardness, H_d	4
6.3	Designation of dynamic indentation hardness, H_d	4
6.4	Determination of dynamic reduced modulus, E_{rd}	5
6.5	Designation of dynamic reduced modulus, E_{rd}	5
7	Test procedure	5
8	Uncertainty of results	6
9	Test report	7
Annex A (informative) Estimation of dynamic behaviour of the actuator		8
Annex B (informative) Estimation of uncertainty		9
Bibliography		11