

DIN EN ISO 14577-5:2026-06 (E)

Metallic materials - Instrumented indentation test for hardness and materials parameters - Part 5: Linear elastic dynamic instrumented indentation testing (DIIT) (ISO 14577-5:2022)

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