

DIN EN ISO 16859-2:2016-02 (E)

Metallic materials - Leeb hardness test - Part 2: Verification and calibration of the testing devices (ISO 16859-2:2015)

Contents	Page
European foreword	3
Foreword	4
1 Scope	5
2 Normative references	5
3 General conditions	5
4 Direct verification	5
4.1 General.....	5
4.2 Calibration parameters.....	6
4.3 Verification of mass and geometry of impact body.....	7
4.4 Verification of geometry and hardness of indenter ball.....	7
4.5 Verification of geometry of support ring.....	7
4.6 Verification of impact velocity.....	7
4.7 Indirect verification of instrument.....	8
5 Indirect verification	8
5.1 General.....	8
5.2 Procedure.....	8
5.3 Variation coefficient (<i>V</i>).....	9
5.4 Error of test instrument.....	9
5.5 Measurement uncertainty.....	10
6 Intervals between verifications	10
7 Verification report/calibration certificate	11
Annex A (informative) Measurement uncertainty of calibration results of Leeb hardness testing instrument	12
Annex B (informative) Direct verification of single coil instrument	15
Bibliography	16