ISO 376:2004-11 (E)

Metallic materials - Calibration of force-proving instruments used for the verification of uniaxial testing machines

Contents

Page

Foreword iv

Introduction v

1 Scope 1

2 Normative references 1

3 Terms and definitions 1

4 Symbols and their designations 1

5 Principle 2

6 Characteristics of force-proving instruments 3
6.1 Identification of the force-proving instrument 3
6.2 Application of force 3
6.3 Measurement of deflection 3

7 Calibration of the force-proving instrument 3
7.1 General 3
7.2 Resolution of the indicator 4
7.3 Minimum force 4
7.4 Calibration procedure 5
7.5 Assessment of the force-proving instrument 6

8 Classification of the force-proving instrument 7
8.1 Principle of classification 7
8.2 Classification criteria 8
8.3 Calibration certificate and duration of validity 8

9 Use of calibrated force-proving instruments 9

Annex A (informative) Example of dimensions of force transducers and corresponding loading fittings 10

Annex B (informative) Additional information 17

Bibliography 20