

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