

ISO 26203-1:2018-01 (E)

Metallic materials - Tensile testing at high strain rates - Part 1: Elastic-bar-type systems

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Principles	1
5	Symbols and designations	2
6	Apparatus	3
7	Test piece	5
7.1	Test-piece shape, size and preparation	5
7.2	Typical test piece	7
8	Calibration of the apparatus	8
8.1	General	8
8.2	Displacement measuring device	9
9	Procedure	9
9.1	General	9
9.2	Mounting the test piece	9
9.3	Applying force	9
9.4	Measuring and recording	9
10	Evaluation of the test result	11
11	Test report	12
Annex A (informative) Quasi-static tensile testing method		14
Annex B (informative) Example of one-bar method		16
Annex C (informative) Example of split Hopkinson bar (SHB) method		23
Bibliography		31