

DIN EN ISO 26203-1:2010-06 (E)

Metallic materials - Tensile testing at high strain rates - Part 1: Elastic-bar-type systems (ISO 26203-1:2010)

Contents		Page
Foreword		3
Introduction		4
1 Scope		6
2 Normative references		6
3 Principles		6
4 Terms and definitions		7
5 Symbols and designations		7
6 Apparatus		9
7 Test piece		10
7.1 Test-piece shape, size and preparation		10
7.2 Typical test piece		12
8 Calibration of the apparatus		13
8.1 General		13
8.2 Displacement measuring device		14
9 Procedure		14
9.1 General		14
9.2 Mounting the test piece		14
9.3 Applying force		14
9.4 Measuring and recording		14
10 Evaluation of the test result		16
11 Test report		17
Annex A (informative) Quasi-static tensile testing method		19
Annex B (informative) Example of one-bar method		21
Annex C (informative) Example of split Hopkinson bar (SHB) method		28
Bibliography		36