

ISO 26203-2:2011-10 (E)

Metallic materials - Tensile testing at high strain rates - Part 2: Servo-hydraulic and other test systems

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Symbols	1
5	Principle	3
6	Apparatus	3
7	Test pieces	3
7.1	Test piece geometry	3
7.2	Preparation of test pieces	4
8	Procedure and measurements	5
8.1	Velocity selection	5
8.2	Force measurement	5
8.3	Extension measurement	6
8.4	Data acquisition	6
9	Evaluation of tests	6
9.1	Stress-strain curve	6
9.2	Determination of key values	7
9.3	Strain rates	7
9.4	Determination of flow curves	8
10	Test report	9
Annex A (informative) Testing equipment		10
Annex B (informative) Examples of test piece geometries		12
Annex C (informative) Example of an engineering stress-strain curve		14
Bibliography		15