

# DIN EN ISO 26203-2:2012-01 (E)

## Metallic materials - Tensile testing at high strain rates - Part 2: Servo-hydraulic and other test systems (ISO 26203-2:2011)

---

<b>Contents</b>	<b>Page</b>
Foreword .....	3
Introduction .....	4
1 Scope .....	5
2 Normative references .....	5
3 Terms and definitions .....	5
4 Symbols .....	5
5 Principle .....	7
6 Apparatus .....	7
7 Test pieces .....	7
7.1 Test piece geometry .....	7
7.2 Preparation of test pieces .....	8
8 Procedure and measurements .....	9
8.1 Velocity selection .....	9
8.2 Force measurement .....	9
8.3 Extension measurement .....	10
8.4 Data acquisition .....	10
9 Evaluation of tests .....	10
9.1 Stress-strain curve .....	10
9.2 Determination of key values .....	11
9.3 Strain rates .....	12
9.4 Determination of flow curves .....	12
10 Test report .....	13
Annex A (informative) Testing equipment .....	14
Annex B (informative) Examples of test piece geometries .....	16
Annex C (informative) Example of an engineering stress-strain curve .....	18
Bibliography .....	19







