DIN EN ISO 7438:2021-03 (E)

Metallic materials - Bend test (ISO 7438:2020)

Contents

Page

European foreword ... **3**

Foreword ... **4**

1 Scope ... **5**

2 Normative references ... **5**

3 Terms and definitions ... **5**

4 Symbols, designations and units ... **5**

5 Principle ... **6**

6 Test equipment ... **6**
6.1 General ... 6
6.2 Bending device with supports and a former ... 8
6.3 Bending device with a V-block ... 8
6.4 Bending device with a clamp ... 8

7 Test piece ... **8**
7.1 General ... 8
7.2 Edges of rectangular test pieces ... 8
7.3 Width of the test piece ... 9
7.4 Thickness of the test piece ... 9
7.5 Test pieces from forgings, castings and semi-finished products ... 9
7.6 Agreement for test pieces of greater thickness and width ... 9
7.7 Length of the test piece ... 9

8 Procedure ... **10**

9 Interpretation of results ... **11**

10 Test report ... **11**

Annex A (informative) **Determination of the bend angle from the measurement of the displacement of the former** ... **12**

Annex B (normative) **Bend test at plane strain conditions** ... **13**

Bibliography ... **17**