

# ISO 10113:2020-01 (E)

## Metallic materials - Sheet and strip - Determination of plastic strain ratio

---

<b>Contents</b>		<b>Page</b>
	Foreword .....	iv
<b>1</b>	<b>Scope</b> .....	<b>1</b>
<b>2</b>	<b>Normative references</b> .....	<b>1</b>
<b>3</b>	<b>Terms and definitions</b> .....	<b>1</b>
<b>4</b>	<b>Symbols</b> .....	<b>2</b>
<b>5</b>	<b>Principle</b> .....	<b>4</b>
<b>6</b>	<b>Test equipment</b> .....	<b>5</b>
<b>7</b>	<b>Test piece</b> .....	<b>6</b>
<b>8</b>	<b>Procedure</b> .....	<b>6</b>
	8.1 General .....	6
	8.2 Method without using any extensometer (manual method) .....	7
	8.2.1 General .....	7
	8.2.2 Testing .....	7
	8.2.3 Evaluation .....	8
	8.3 Method only with length extensometer (semi-automatic method) .....	8
	8.3.1 General .....	8
	8.3.2 Testing .....	8
	8.3.3 Evaluation .....	9
	8.4 Method with width and length extensometer (automatic method) .....	9
	8.4.1 General .....	9
	8.4.2 Testing .....	9
	8.4.3 Evaluation .....	9
<b>9</b>	<b>Additional test results</b> .....	<b>11</b>
<b>10</b>	<b>Test report</b> .....	<b>12</b>
	<b>Annex A (informative) Methods for investigating sources of errors in <i>r</i>-value determination</b> .....	<b>13</b>
	<b>Annex B (informative) International comparison of symbols used in the determination of plastic strain ratio</b> .....	<b>23</b>
	<b>Bibliography</b> .....	<b>24</b>