

# ISO 2566-1:2021-12 (E)

## Steel - Conversion of elongation values - Part 1: Carbon and low-alloy steels

---

<b>Contents</b>		<b>Page</b>
Foreword.....		iv
Introduction.....		v
<b>1</b>	<b>Scope</b> .....	<b>1</b>
<b>2</b>	<b>Normative references</b> .....	<b>1</b>
<b>3</b>	<b>Terms, definitions and symbols</b> .....	<b>1</b>
	3.1 Terms and definitions.....	1
	3.2 Symbols.....	2
<b>4</b>	<b>Basic formula</b> .....	<b>2</b>
<b>5</b>	<b>Requirements on conversions</b> .....	<b>2</b>
<b>6</b>	<b>Conversion from one proportional gauge length to another proportional gauge length</b> .....	<b>3</b>
<b>7</b>	<b>Conversion from one non-proportional gauge length to another non-proportional gauge length for test pieces of equal cross-sectional area</b> .....	<b>3</b>
<b>8</b>	<b>Conversion from a non-proportional gauge length to another non-proportional gauge length for test pieces of different cross-sectional areas</b> .....	<b>4</b>
<b>9</b>	<b>Conversion from a proportional gauge length to a non-proportional gauge length</b> .....	<b>4</b>
	9.1 General.....	4
	9.2 Conversion factors from to non-proportional gauge length.....	5
	9.3 Conversion factors from to non-proportional gauge length.....	8
	9.4 Elongation values.....	10
<b>10</b>	<b>Use of Figures</b> .....	<b>26</b>
<b>Bibliography</b> .....		<b>33</b>