

# ISO 10110-7:2017-08 (E)

## Optics and photonics - Preparation of drawings for optical elements and systems - Part 7: Surface imperfections

---

Contents	Page
<b>Foreword .....</b>	<b>iv</b>
<b>Introduction .....</b>	<b>v</b>
<b>1 Scope .....</b>	<b>1</b>
<b>2 Normative references .....</b>	<b>1</b>
<b>3 Terms and definitions .....</b>	<b>1</b>
<b>4 Indication in drawings .....</b>	<b>3</b>
<b>4.1 General .....</b>	<b>3</b>
<b>4.2 Dimensional specification method for optical elements and assemblies .....</b>	<b>3</b>
<b>4.2.1 Maximum permissible surface imperfections .....</b>	<b>3</b>
<b>4.2.2 Surface imperfection indication for the dimensional specification method .....</b>	<b>6</b>
<b>4.2.3 Imperfections with a smaller grade number in the dimensional specification method .....</b>	<b>6</b>
<b>4.2.4 Concentrations of surface imperfections in the dimensional specification method .....</b>	<b>6</b>
<b>4.2.5 Test methods for the dimensional specification method .....</b>	<b>7</b>
<b>4.3 Visibility specification method for optical elements and assemblies .....</b>	<b>7</b>
<b>4.3.1 Maximum permissible surface imperfections .....</b>	<b>7</b>
<b>4.3.2 Visibility specification imperfections with smaller grade number .....</b>	<b>10</b>
<b>4.3.3 Concentrations of visibility imperfections .....</b>	<b>10</b>
<b>4.3.4 Test method for visibility .....</b>	<b>10</b>
<b>4.4 Location of the indication .....</b>	<b>10</b>
<b>Bibliography .....</b>	<b>12</b>