

# ISO 17485:2006-06 (E)

## Bevel gears - ISO system of accuracy

---

<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>2</b>
<b>3</b>	<b>Terms, definitions and symbols .....</b>	<b>2</b>
<b>3.1</b>	<b>Terms and definitions .....</b>	<b>2</b>
<b>3.2</b>	<b>Fundamental terms and symbols .....</b>	<b>6</b>
<b>4</b>	<b>Application of classification system .....</b>	<b>7</b>
<b>4.1</b>	<b>General .....</b>	<b>7</b>
<b>4.2</b>	<b>Accuracy grade classification .....</b>	<b>7</b>
<b>4.3</b>	<b>Tolerance direction .....</b>	<b>8</b>
<b>4.4</b>	<b>Additional characteristics .....</b>	<b>8</b>
<b>5</b>	<b>Tolerances .....</b>	<b>8</b>
<b>5.1</b>	<b>Tolerance values .....</b>	<b>8</b>
<b>5.2</b>	<b>Step factor .....</b>	<b>8</b>
<b>5.3</b>	<b>Rounding rules .....</b>	<b>9</b>
<b>5.4</b>	<b>Tolerance equations .....</b>	<b>9</b>
<b>6</b>	<b>Application of measuring methods .....</b>	<b>11</b>
<b>6.1</b>	<b>Methods of measurement .....</b>	<b>11</b>
<b>6.2</b>	<b>Recommended measurement control methods .....</b>	<b>12</b>
<b>6.3</b>	<b>Measurement data filtering .....</b>	<b>12</b>
<b>6.4</b>	<b>Tooth contact pattern inspections .....</b>	<b>12</b>
	<b>Annex A (informative) Example tolerance tables .....</b>	<b>14</b>
	<b>Annex B (informative) Single-flank composite measuring method .....</b>	<b>16</b>
	<b>Annex C (informative) Accuracy of small module bevel gears .....</b>	<b>21</b>
	<b>Annex D (informative) Interpretation of composite data .....</b>	<b>24</b>
	<b>Bibliography .....</b>	<b>32</b>