

# DIN EN 10277-5:2008-06 (E)

## Bright steel products - Technical delivery conditions - Part 5: Steels for quenching and tempering

---

<b>Contents</b>		<b>Page</b>
<b>Foreword</b> .....		<b>3</b>
<b>1</b>	<b>Scope</b> .....	<b>4</b>
<b>2</b>	<b>Normative references</b> .....	<b>4</b>
<b>3</b>	<b>Terms and definitions</b> .....	<b>4</b>
<b>4</b>	<b>Classification and designation</b> .....	<b>4</b>
<b>4.1</b>	<b>Classification</b> .....	<b>4</b>
<b>4.2</b>	<b>Designation</b> .....	<b>4</b>
<b>5</b>	<b>Information to be supplied by the purchaser</b> .....	<b>4</b>
<b>6</b>	<b>Manufacturing process</b> .....	<b>4</b>
<b>7</b>	<b>Requirements</b> .....	<b>5</b>
<b>7.1</b>	<b>Chemical composition</b> .....	<b>5</b>
<b>7.2</b>	<b>Mechanical properties</b> .....	<b>5</b>
<b>7.3</b>	<b>Hardenability</b> .....	<b>5</b>
<b>7.4</b>	<b>Grain size</b> .....	<b>5</b>
<b>7.5</b>	<b>Non-metallic inclusions</b> .....	<b>5</b>
<b>7.5.1</b>	<b>Microscopic inclusions</b> .....	<b>5</b>
<b>7.5.2</b>	<b>Macroscopic inclusions</b> .....	<b>5</b>
<b>7.6</b>	<b>Options</b> .....	<b>5</b>
<b>8</b>	<b>Inspection and testing</b> .....	<b>5</b>
<b>8.1</b>	<b>Types and contents of inspection documents</b> .....	<b>5</b>
<b>8.2</b>	<b>Specific inspection</b> .....	<b>6</b>
<b>8.3</b>	<b>Verification of hardenability</b> .....	<b>6</b>
<b>9</b>	<b>Marking</b> .....	<b>6</b>