

# ISO 630-4:2012-06 (E)

## Structural steels - Part 4: Technical delivery conditions for high-yield-strength quenched and tempered structural steel plates

---

<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>Classification and designation .....</b>	<b>2</b>
<b>4.1</b>	<b>Classification .....</b>	<b>2</b>
<b>4.2</b>	<b>Grades and qualities .....</b>	<b>2</b>
<b>4.3</b>	<b>Normative annexes .....</b>	<b>2</b>
<b>5</b>	<b>Information to be supplied by purchaser .....</b>	<b>2</b>
<b>5.1</b>	<b>Mandatory information .....</b>	<b>2</b>
<b>5.2</b>	<b>Options .....</b>	<b>2</b>
<b>6</b>	<b>Requirements .....</b>	<b>3</b>
<b>6.1</b>	<b>Steelmaking process .....</b>	<b>3</b>
<b>6.2</b>	<b>Deoxidation .....</b>	<b>3</b>
<b>6.3</b>	<b>Delivery condition .....</b>	<b>3</b>
<b>6.4</b>	<b>Chemical composition .....</b>	<b>3</b>
<b>6.5</b>	<b>Mechanical properties .....</b>	<b>3</b>
<b>6.6</b>	<b>Surface conditions .....</b>	<b>4</b>
<b>6.7</b>	<b>Internal soundness .....</b>	<b>4</b>
<b>6.8</b>	<b>Dimensions and tolerances on dimensions, shape and mass .....</b>	<b>4</b>
<b>7</b>	<b>Inspection .....</b>	<b>4</b>
<b>8</b>	<b>Sampling -- Frequency of testing .....</b>	<b>4</b>
<b>8.1</b>	<b>Verification .....</b>	<b>4</b>
<b>8.2</b>	<b>Test units .....</b>	<b>4</b>
<b>9</b>	<b>Test methods .....</b>	<b>4</b>
<b>10</b>	<b>Marking .....</b>	<b>4</b>
<b>Annex A (normative) Steel grades S460Q, S500Q, S550Q, S620Q, S690Q, S890Q and S960Q: Chemical composition and mechanical properties .....</b>		<b>5</b>
<b>Annex B (normative) Steel grades SG460Q, SG500Q, and SG700Q: Chemical composition and mechanical properties .....</b>		<b>11</b>
<b>Bibliography .....</b>		<b>15</b>