

# ISO 12153:2022-11 (E)

## Welding consumables - Tubular-cored electrodes for gas-shielded and non-gas - shielded metal arc welding of nickel and nickel alloys - Classification

---

<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 .....</b>	<b>1</b>
<b>5</b>	<b>Symbols and requirements .....</b>	<b>2</b>
<b>5.1</b>	<b>Symbol for the product or process .....</b>	<b>2</b>
<b>5.2</b>	<b>Symbol for the chemical composition of the all-weld metal .....</b>	<b>2</b>
<b>5.3</b>	<b>Symbol for the type of electrode core .....</b>	<b>2</b>
<b>5.4</b>	<b>Symbol for the shielding gas .....</b>	<b>2</b>
<b>5.5</b>	<b>Symbol for the welding position .....</b>	<b>2</b>
<b>6</b>	<b>Chemical analysis .....</b>	<b>2</b>
<b>7</b>	<b>Mechanical properties of the all-weld metal .....</b>	<b>7</b>
<b>8</b>	<b>Rounding procedure .....</b>	<b>7</b>
<b>9</b>	<b>Retest .....</b>	<b>8</b>
<b>10</b>	<b>Technical delivery conditions .....</b>	<b>8</b>
<b>11</b>	<b>Example of designation .....</b>	<b>8</b>
<b>Annex A (informative)</b>	<b>Corresponding national specifications .....</b>	<b>9</b>