

# DIN EN ISO 21952:2025-05 (E)

## Welding consumables - Wire electrodes, wires, rods and deposits for gas shielded arc welding of creep-resisting steels - Classification (ISO 21952:2025)

---

<b>Contents</b>		<b>Page</b>
<b>Foreword</b>		iv
<b>Introduction</b>		vi
<b>1 Scope</b>		1
<b>2 Normative references</b>		1
<b>3 Terms and definitions</b>		1
<b>4 Classification</b>		2
4.1 General		2
4.2 Classification systems		2
<b>5 Symbols and requirements</b>		2
5.1 Symbol for the product or process		2
5.2 Symbol for the chemical composition of wire electrodes, wires, and rods		3
5.3 Symbol for the mechanical properties of all-weld metal		3
5.3.1 Classification by chemical composition – System A		3
5.3.2 Classification by tensile strength and chemical composition – System B		3
5.4 Symbol for shielding gas		3
5.4.1 Classification by chemical composition – system A		3
5.4.2 Classification by tensile strength and chemical composition – system B		3
<b>6 Mechanical tests</b>		12
<b>7 Preheating and interpass temperatures</b>		12
<b>8 Welding conditions and pass sequence</b>		12
<b>9 Chemical analysis</b>		13
<b>10 Rounding procedure</b>		13
<b>11 Retest</b>		13
<b>12 Technical delivery conditions</b>		13
<b>13 Examples of designation</b>		13
13.1 General		13
13.2 Example 1 – Classification by chemical composition – system A		13
13.3 Example 2 – Classification by tensile strength and chemical composition – system B		14
13.4 Example 3 – Classification by chemical composition – system A		14
13.5 Example 4 – Classification by tensile strength and chemical composition – system B		14
13.6 Example 5 – Classification by chemical composition – system A		15
13.7 Example 6 – Classification by tensile strength and chemical composition – system B		15
13.8 Example 7 – Classification by chemical composition – system A		15
13.9 Example 8 – Classification by tensile strength and chemical composition – system B		16
<b>Bibliography</b>		17