

# ISO 21952:2025-02 (E)

## Welding consumables - Wire electrodes, wires, rods and deposits for gas shielded arc welding of creep-resisting steels - Classification

---

<b>Contents</b>		<b>Page</b>
Foreword .....		iv
Introduction .....		vi
1	Scope .....	1
2	Normative references .....	1
3	Terms and definitions .....	1
4	Classification .....	2
4.1	General .....	2
4.2	Classification systems .....	2
5	Symbols and requirements .....	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
6	Mechanical tests .....	12
7	Preheating and interpass temperatures .....	12
8	Welding conditions and pass sequence .....	12
9	Chemical analysis .....	13
10	Rounding procedure .....	13
11	Retest .....	13
12	Technical delivery conditions .....	13
13	Examples of designation .....	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
Bibliography .....		17