

ISO 16834:2012-05 (E)

Welding consumables - Wire electrodes, wires, rods and deposits for gas shielded arc welding of high strength steels - Classification

Contents	Page
Foreword	iv
Introduction	v
1 Scope	1
2 Normative references	1
3 Classification	2
4 Symbols and requirements	3
4.1 Symbol for the product/process	3
4.2 Symbol for strength and elongation properties of all-weld metal	3
4.3 Symbol for impact properties of all-weld metal	4
4.4 Symbol for shielding gas	4
4.5 Symbol for the chemical composition of wire electrodes, wires and rods	5
4.6 Symbol for condition of post-weld heat treatment	5
5 Mechanical tests	9
5.1 Preheating and interpass temperatures	9
5.2 Welding conditions and pass sequence	10
5.3 Post-weld heat-treated condition	10
6 Chemical analysis	11
7 Rounding procedure	11
8 Retest	11
9 Technical delivery conditions	11
10 Examples of designation	12
Bibliography	14