

ISO 26304:2011-08 (E)

Welding consumables - Solid wire electrodes, tubular cored electrodes and electrode-flux combinations for submerged 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 or process	3
4.2	Symbol for the tensile properties of the all-weld metal deposit	3
4.3	Symbol for the impact properties of the all-weld metal	4
4.4	Symbol for the type of welding flux	5
4.5	Symbol for the chemical composition of solid wire electrodes and of the all-weld metal from tubular cored electrode-flux combinations	5
4.6	Symbol for the post-weld heat treatment	11
4.7	Symbol for hydrogen content of deposited metal	12
5	Mechanical tests	13
5.1	Tensile and impact tests	13
5.2	Preheating and interpass temperature	13
5.3	Welding conditions and pass sequence	13
6	Chemical analysis	14
7	Rounding procedure	14
8	Retests	15
9	Technical delivery conditions	15
10	Examples of designation	15
Annex A (informative) Possible risk of weld metal hydrogen cracking		17
Bibliography		18