

ISO 26304:2017-11 (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	Terms and definitions	2
4	Classification	2
4.1	General	2
5	Symbols and requirements	3
5.1	General	3
5.2	Symbol for the product or process	3
5.3	Symbols for the tensile properties of the all-weld metal deposit	4
5.4	Symbol for the impact properties of the all-weld metal	5
5.5	Symbol for the type of welding flux	5
5.6	Symbol for the chemical composition of solid wire electrodes and of the all-weld metal from tubular cored electrode-flux combinations	5
5.7	Symbol for the post-weld heat treatment	12
5.8	Optional symbol for hydrogen content of deposited metal	13
6	Mechanical tests	14
6.1	Tensile and impact tests	14
6.2	Preheating and interpass temperature	14
6.3	Welding conditions and pass sequence	14
7	Chemical analysis	16
8	Rounding procedure	16
9	Retests	16
10	Technical delivery conditions	16
11	Examples of designation	16
Annex A (informative) Possible risk of weld metal hydrogen cracking		20
Bibliography		21