DIN EN ISO 26304:2011-11 (E)

Welding consumables - Solid wire electrodes, tubular cored electrodes and electrode-flux combina tions for submerged arc welding of high strength steels - Classification (ISO 26304:2011)

Contents

Page

Foreword 3

Introduction 4

1 Scope 5

2 Normative references 5

3 Classification 6

4 Symbols and requirements 7
4.1 Symbol for the product or process 7
4.2 Symbols for the tensile properties of the all-weld metal deposit 7
4.3 Symbol for the impact properties of the all-weld metal 8
4.4 Symbol for the type of welding flux 9
4.5 Symbol for the chemical composition of solid wire electrodes and of the all-weld metal from tubular cored electrode-flux combinations 9
4.6 Symbol for the post-weld heat treatment 15
4.7 Symbol for hydrogen content of deposited metal 16

5 Mechanical tests 17
5.1 Tensile and impact tests 17
5.2 Preheating and interpass temperature 17
5.3 Welding conditions and pass sequence 17

6 Chemical analysis 18

7 Rounding procedure 18

8 Retests 19

9 Technical delivery conditions 19

10 Examples of designation 19

Annex A (informative) Possible risk of weld metal hydrogen cracking 21

Bibliography 22