ISO 14171:2016-07 (E)

Welding consumables - Solid wire electrodes, tubular cored electrodes and electrode/flux combinatio ns for submerged arc welding of non alloy and fine grain 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 process 3
4.2 Symbol for tensile properties 3
4.2.1 Multi-run technique 3
4.2.2 Two-run technique 4
4.3 Symbol for the impact properties of all-weld metal or two-run welded joint 5
4.4 Symbol for type of welding flux 5
4.5 Symbol for the chemical composition 5
4.5.1 Solid wire electrodes 5
4.5.2 Tubular cored electrode/flux combinations 6
4.6 Symbol for hydrogen content of deposited metal 15

5 Mechanical tests 15
5.1 Multi-run technique 15
5.2 Two-run technique 17

6 Chemical analysis 17

7 Rounding procedure 17

8 Retest 18

9 Technical delivery conditions 18

10 Examples of designation 18