# ISO 1071:2015-11 (E)

## Welding consumables - Covered electrodes, wires, rods and tubular cored electrodes for fusion welding of cast iron - Classification

## Contents

Page


Foreword ..... iv

Introduction ..... v

1 Scope ..... 1

2 Normative references ..... 1

3 Classification ..... 1
3.1 Wire electrodes and rods ..... 1
3.2 Tubular cored electrodes ..... 1
3.3 Covered electrodes ..... 2
3.4 Tubular cored and covered electrodes ..... 2

4 Symbols and requirements ..... 2
4.1 Symbols for the product form ..... 2
4.2 Symbol for the type of alloy ..... 2
4.3 Symbol for the chemical composition ..... 2
4.3.1 General ..... 2
4.3.2 Consumables producing similar weld metal ..... 2
4.3.3 Consumables producing dissimilar weld metal ..... 3
4.4 Symbol for shielding gas (tubular cored electrode) ..... 3
4.5 Symbols for effective electrode efficiency and type of current (covered electrode) ..... 7

5 Mechanical tests ..... 7

6 Chemical analysis ..... 7

7 Rounding procedure ..... 7

8 Retests ..... 8

9 Technical delivery conditions ..... 8

10 Designation ..... 8

Annex A (informative) Description of the consumable ..... 10

Annex B (informative) Expected minimum values for strength and elongation of dissimilar all-weld metal in tensile test ..... 14

Bibliography ..... 15