# ISO 5173:2009-06 (E)

## Destructive tests on welds in metallic materials - Bend tests

## Contents

Page


Foreword ..... iv

1 Scope ..... 1

2 Terms and definitions ..... 1

3 Principle ..... 2

4 Symbols and abbreviated terms ..... 2
4.1 Symbols ..... 2
4.2 Abbreviated terms ..... 2
4.3 Figures corresponding to the abbreviations ..... 3

5 Preparation of test specimens ..... 6
5.1 General ..... 6
5.2 Location ..... 6
5.3 Marking ..... 6
5.4 Heat treatment and/or ageing ..... 6
5.5 Extraction ..... 7
5.6 Specimen size ..... 7

6 Conditions of testing ..... 10
6.1 Etching ..... 10
6.2 Testing ..... 10
6.3 Diameter of former and roller ..... 16
6.4 Distance between rollers ..... 16
6.5 Bending angle ..... 16
6.6 Bending elongation ..... 16

7 Test results ..... 16

8 Test report ..... 17

Annex A (informative) Example of a test report ..... 18